

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
 Data File : BF093780.D
 Acq On : 20 Mar 2017 22:38
 Operator : SJ/MA
 Sample : I2318-01 20X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HP-CT-00

Quant Time: Mar 21 01:06:38 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	243752	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	846922	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	404792	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	554780	20.00	ng	0.00
75) Chrysene-d12	13.99	240	351850	20.00	ng	-0.01
86) Perylene-d12	15.40	264	364524	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	77433	5.56	ng	-0.02
7) Phenol-d6	6.45	99	95230	5.53	ng	-0.03
23) Nitrobenzene-d5	7.38	82	52758	3.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.65	330	10892	3.47	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	115171	4.78	ng	-0.01
78) Terphenyl-d14	12.94	244	61804	3.58	ng	-0.01

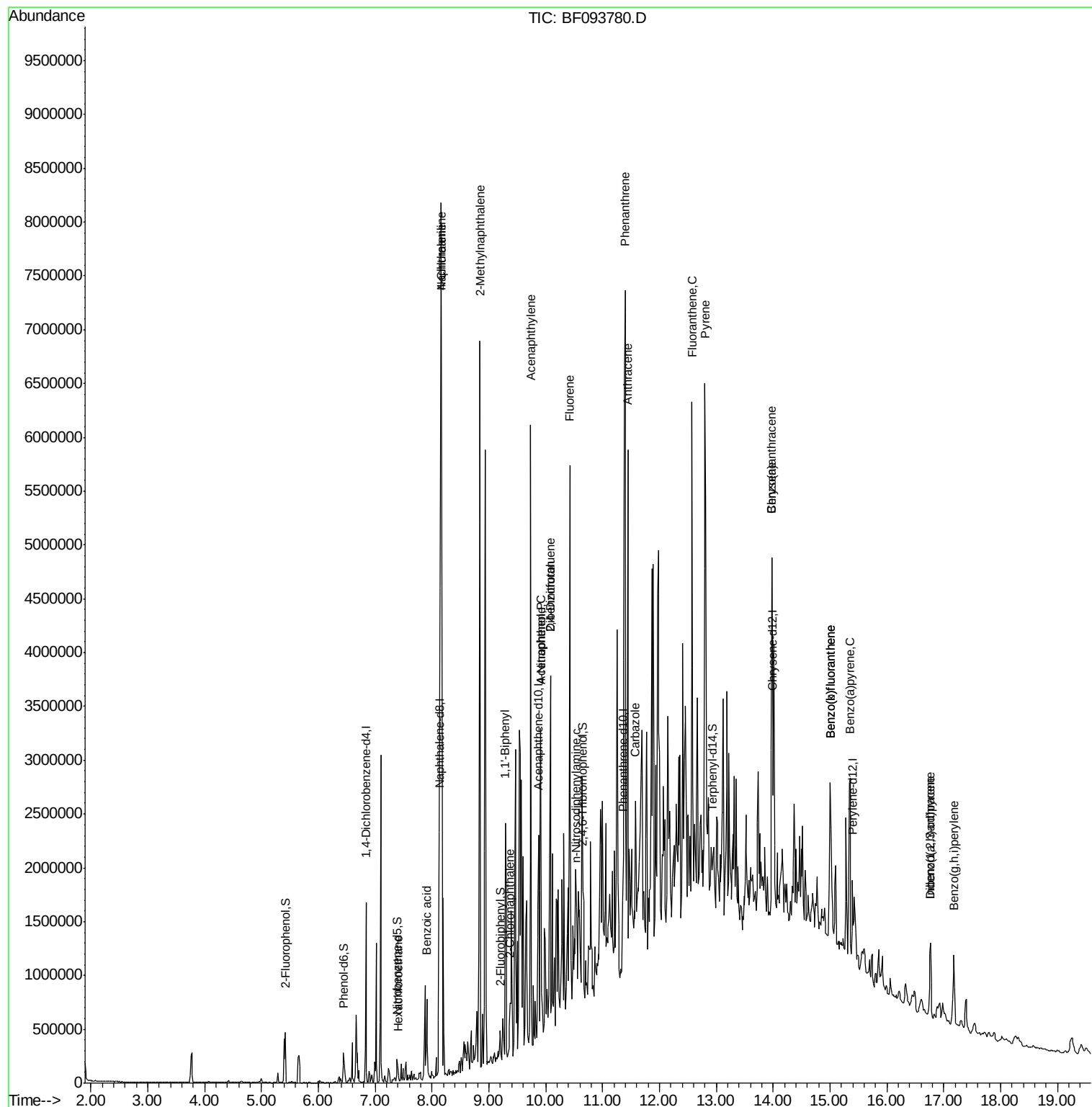
Target Compounds						Qvalue
18) Hexachloroethane	7.41	117	35486	5.64	ng	# 1
31) Naphthalene	8.16	128	8257887	210.07	ng	96
32) Benzoic acid	7.91	122	16581	2.01	ng	# 41
33) 4-Chloroaniline	8.16	127	1203429	71.24	ng	# 32
37) 2-Methylnaphthalene	8.85	142	2621955	102.18	ng	99
45) 1,1'-Biphenyl	9.29	154	831672	25.28	ng	96
46) 2-Chloronaphthalene	9.37	162	124888	4.95	ng	# 49
48) Acenaphthylene	9.74	152	2151931	52.42	ng	97
51) Acenaphthene	9.91	154	670905	27.36	ng	97
54) Dibenzofuran	10.08	168	1061171	32.16	ng	# 96
55) 4-Nitrophenol	9.91	139	16510	2.90	ng	83
56) 2,4-Dinitrotoluene	10.08	165	40303	5.02	ng	# 1
57) Fluorene	10.42	166	2070652	81.95	ng	98
65) n-Nitrosodiphenylamine	10.54	169	158347	8.56	ng	# 85
70) Phenanthrene	11.40	178	4733471	160.21	ng	98
71) Anthracene	11.44	178	2139382	70.33	ng	99
72) Carbazole	11.58	167	526993	17.50	ng	99
74) Fluoranthene	12.57	202	2579699	84.94	ng	98
77) Pyrene	12.80	202	3595791	122.80	ng	98
80) Benzo(a)anthracene	13.98	228	1571814	71.32	ng	# 77
82) Chrysene	13.98	228	1571814	71.38	ng	# 80
85) Indeno(1,2,3-cd)pyrene	16.77	276	423942	23.51	ng	96
87) Benzo(b)fluoranthene	15.01	252	1435849	58.43	ng	# 95
88) Benzo(k)fluoranthene	15.01	252	1435849	79.13	ng	99
89) Benzo(a)pyrene	15.35	252	1108335	55.62	ng	95
90) Dibenzo(a,h)anthracene	16.77	278	124916	7.55	ng	# 81
91) Benzo(g,h,i)perylene	17.18	276	502485	30.60	ng	99

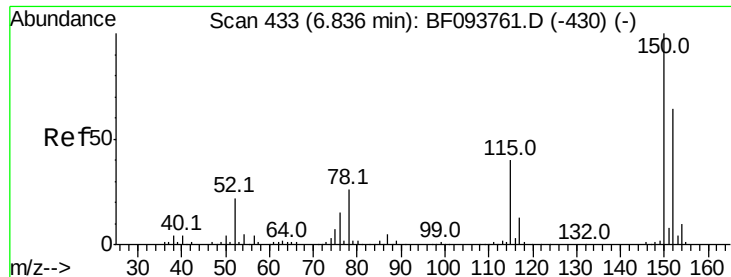
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF093780.D

Acq: 20 Mar 2017 22:38

Instrument :

BNA_F

ClientSampleId :

HP-CT-00

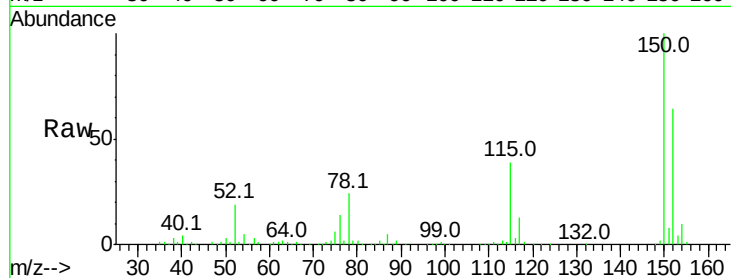
Tot Ion:152 Resp: 243752

Ion Ratio Lower Upper

152 100

150 155.8 126.2 189.2

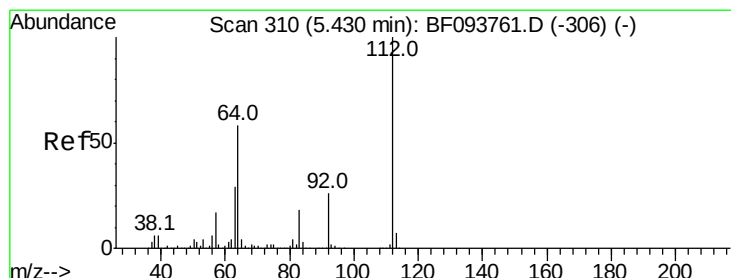
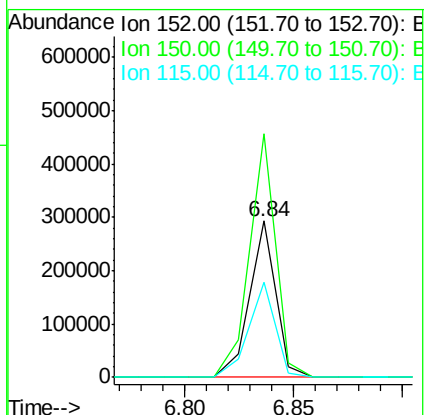
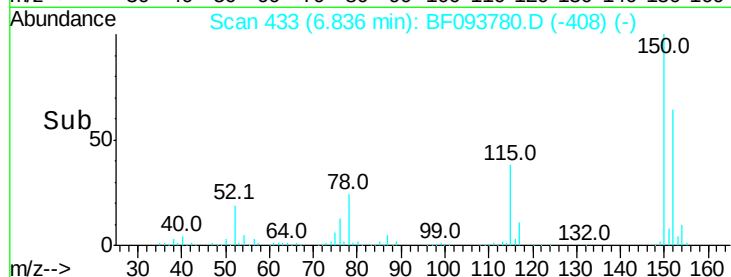
115 60.8 52.2 78.2



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: 5.56 ng

RT: 5.42 min Scan# 309

Delta R.T. -0.02 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

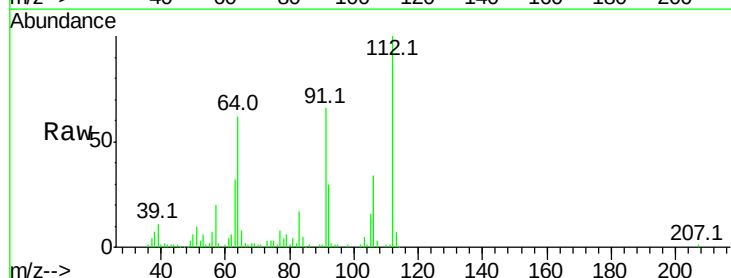
Tgt Ion:112 Resp: 77433

Ion Ratio Lower Upper

112 100

64 62.0 46.0 69.0

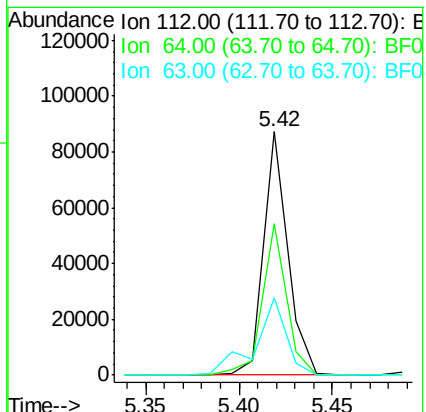
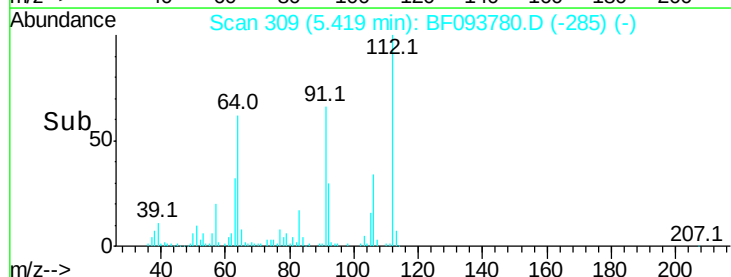
63 31.9 23.4 35.0

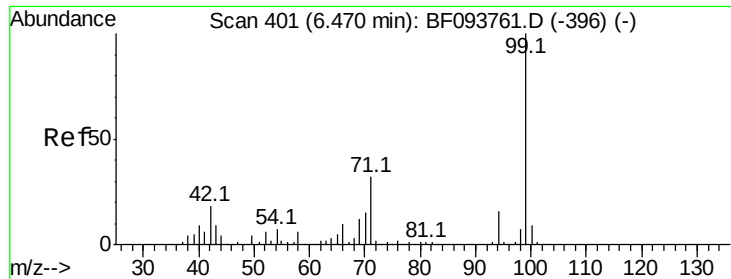


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 5.53 ng

RT: 6.45 min Scan# 399

Delta R.T. -0.03 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

Instrument :

BNA_F

ClientSampleId :

HP-CT-00

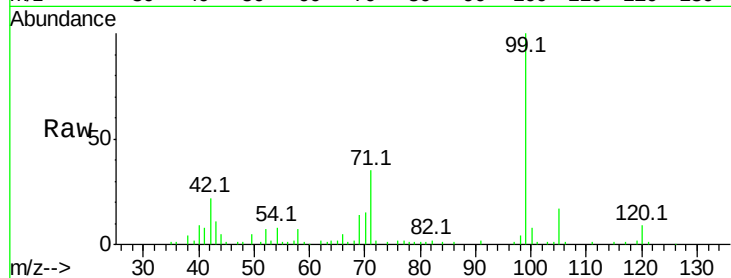
Tot Ion: 99 Resp: 95230

Ion Ratio Lower Upper

99 100

42 22.3 13.5 20.3#

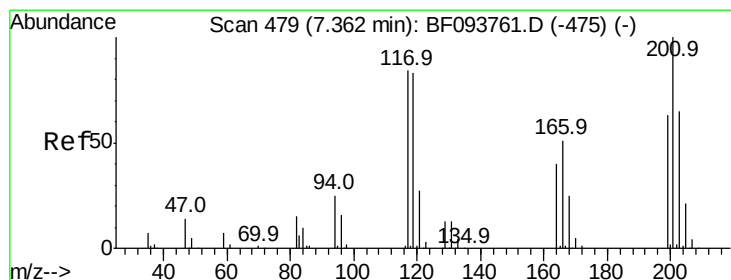
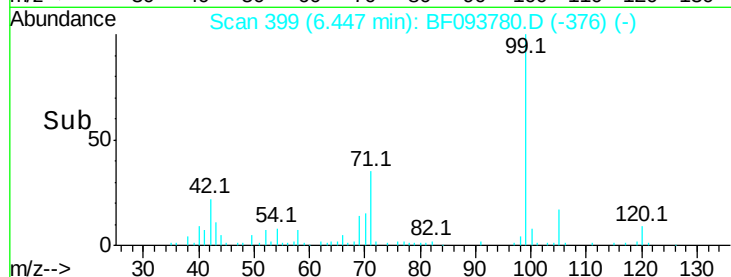
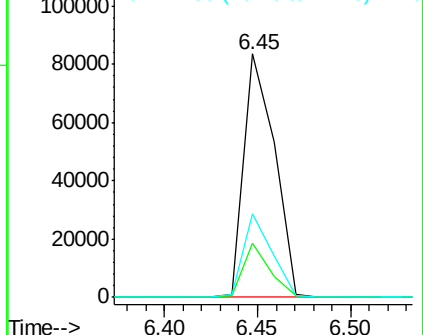
71 34.5 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#18

Hexachloroethane

Concen: 5.64 ng

RT: 7.41 min Scan# 483

Delta R.T. 0.03 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

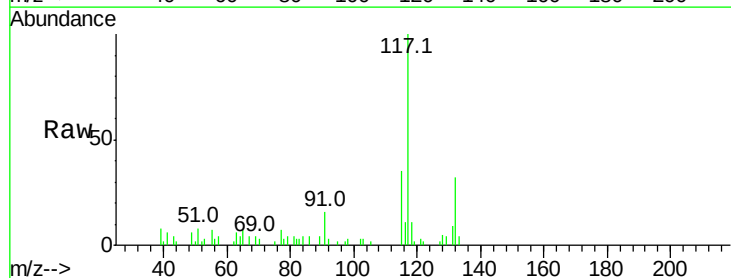
Tgt Ion: 117 Resp: 35486

Ion Ratio Lower Upper

117 100

119 1.8 77.4 116.0#

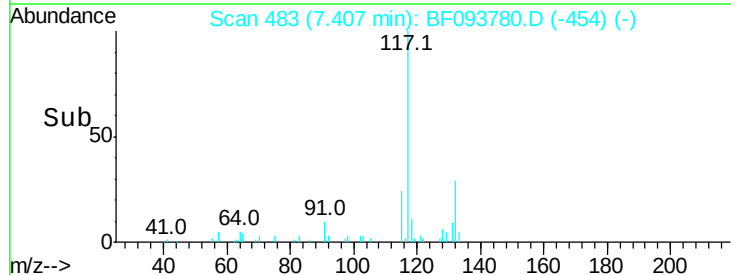
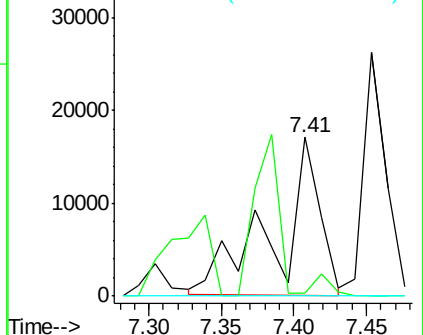
201 0.0 94.6 141.8#

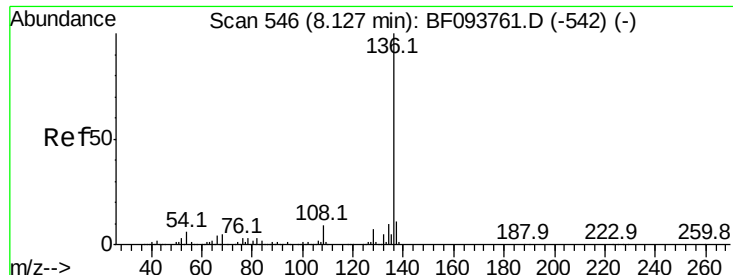


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

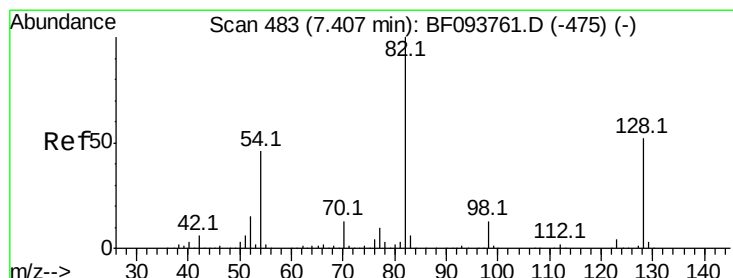
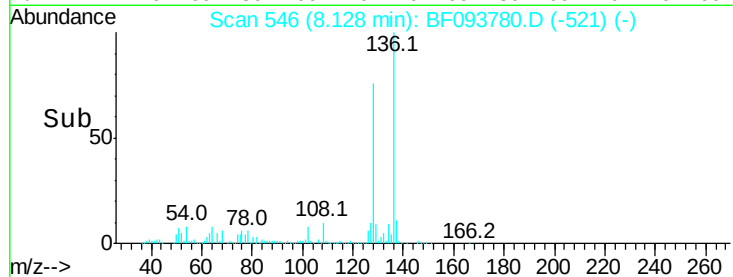
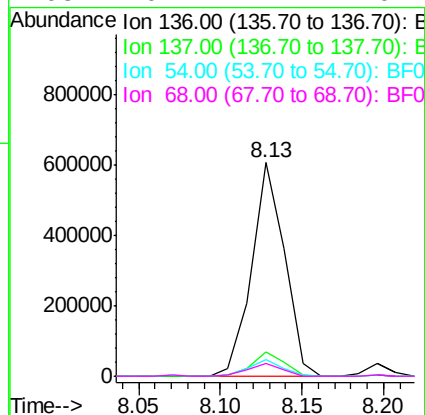
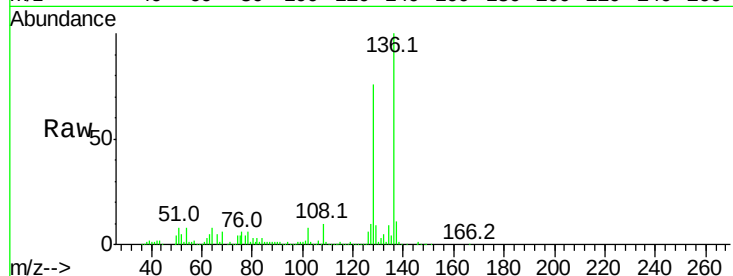




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

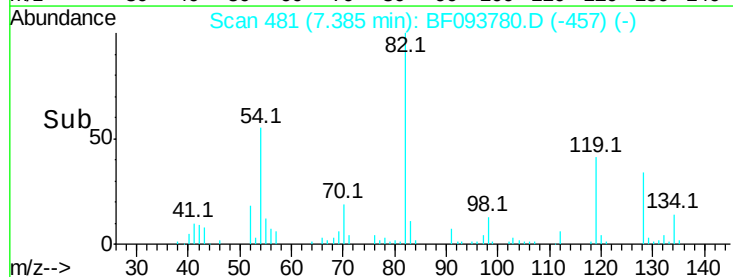
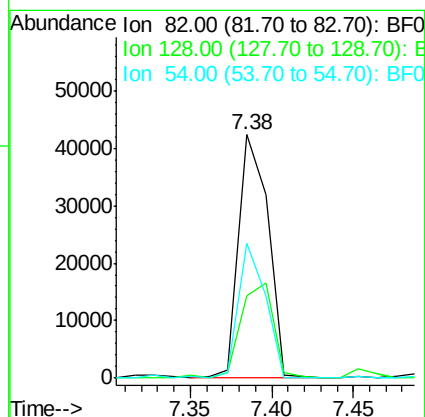
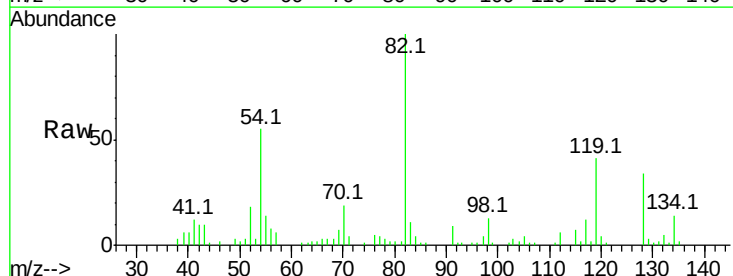
Instrument :
BNA_F
ClientSampleId :
HP-CT-00

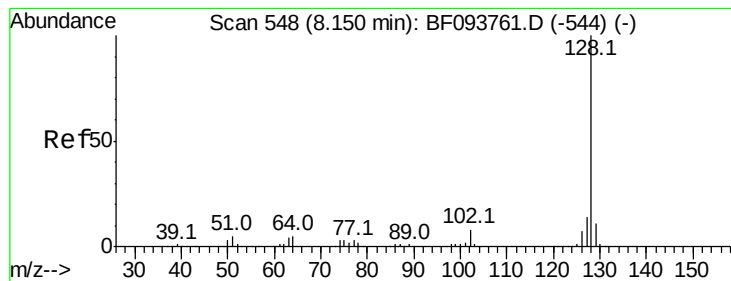
Tot Ion:136	Resp:	846922
Ion Ratio	Lower	Upper
136 100		
137 11.3	8.5	12.7
54 7.9	4.9	7.3#
68 6.1	4.1	6.1



#23
Nitrobenzene-d5
Concen: 3.53 ng
RT: 7.38 min Scan# 481
Delta R.T. -0.02 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion: 82	Resp:	52758
Ion Ratio	Lower	Upper
82 100		
128 33.8	34.0	51.0#
54 55.2	42.2	63.2





#31

Naphthalene

Concen: 210.07 ng

RT: 8.16 min Scan# 549

Delta R.T. 0.00 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

Instrument :

BNA_F

ClientSampleId :

HP-CT-00

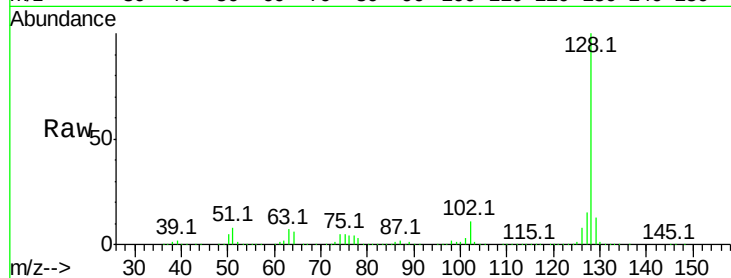
Tot Ion:128 Resp: 8257887

Ion Ratio Lower Upper

128 100

129 12.6 9.0 13.6

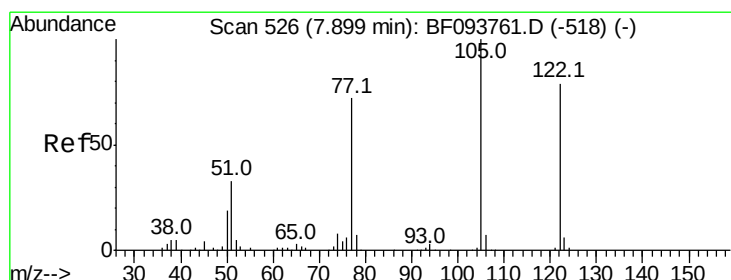
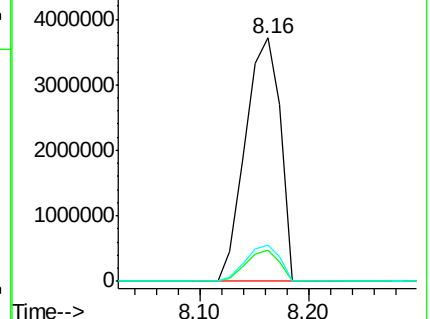
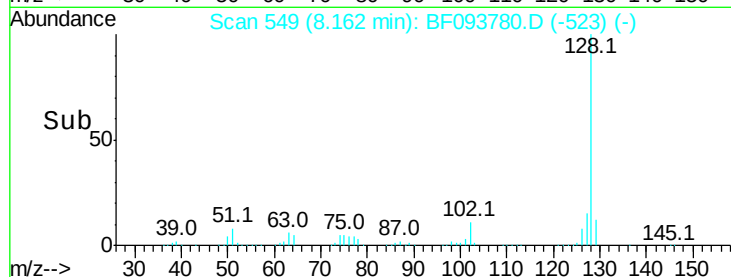
127 15.1 10.8 16.2



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



#32

Benzoic acid

Concen: 2.01 ng

RT: 7.91 min Scan# 527

Delta R.T. 0.01 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

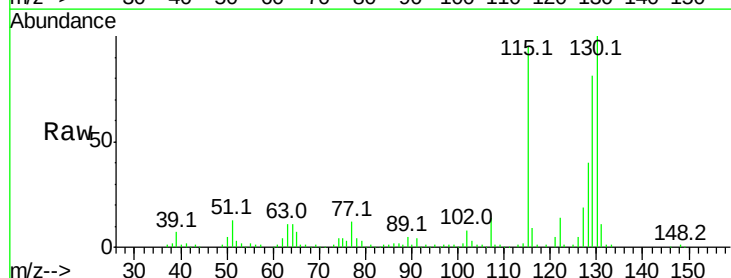
Tgt Ion:122 Resp: 16581

Ion Ratio Lower Upper

122 100

105 8.8 103.3 143.3#

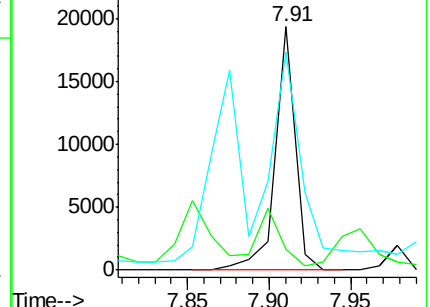
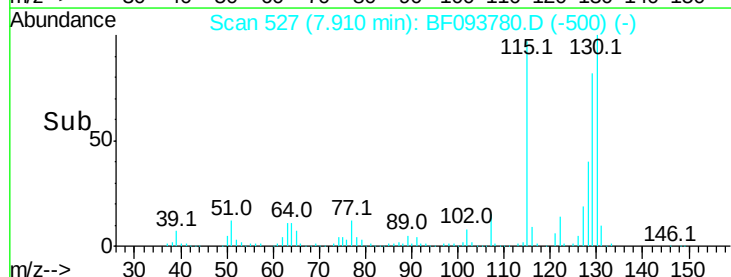
77 89.6 73.7 113.7

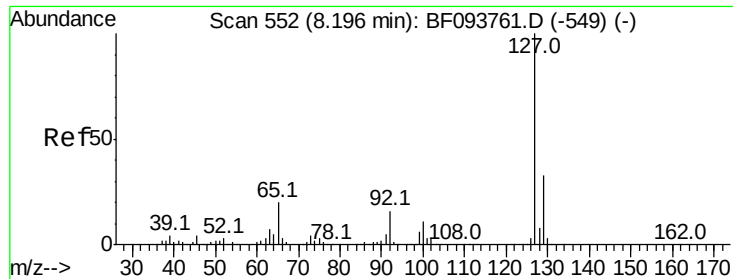


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

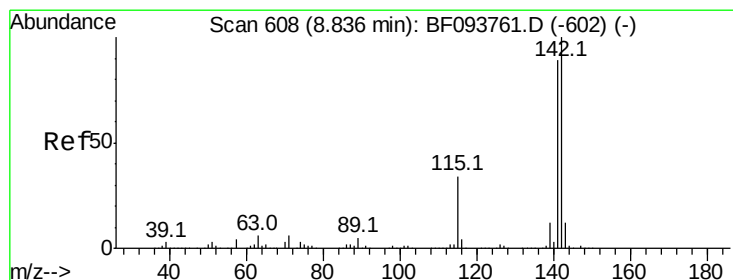
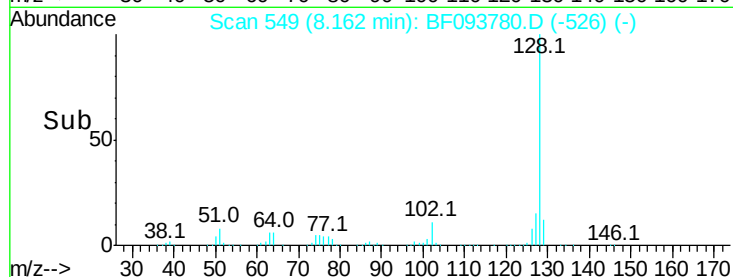
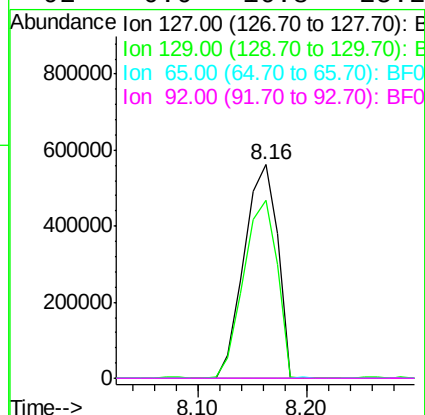
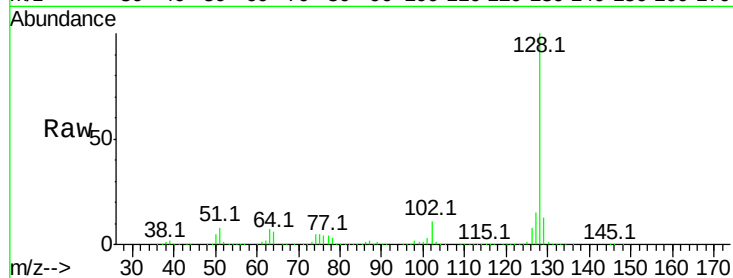




#33
4-Chloroaniline
Concen: 71.24 ng
RT: 8.16 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

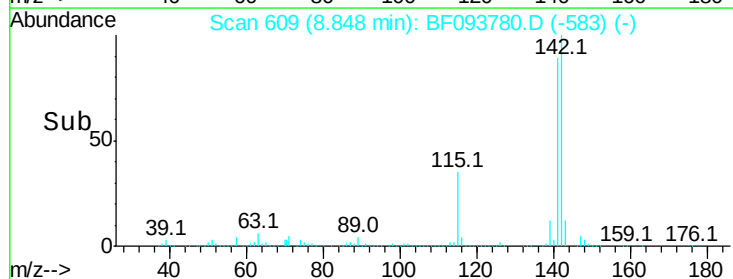
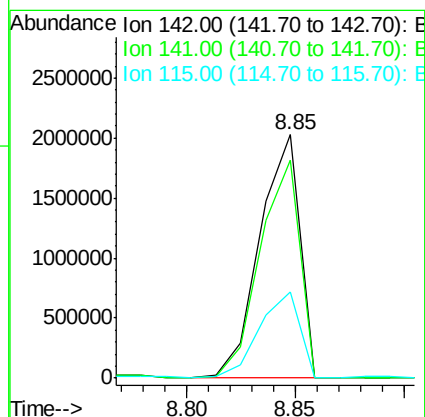
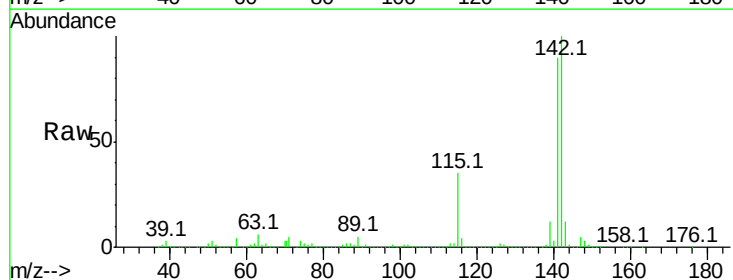
Instrument :
BNA_F
ClientSampleId :
HP-CT-00

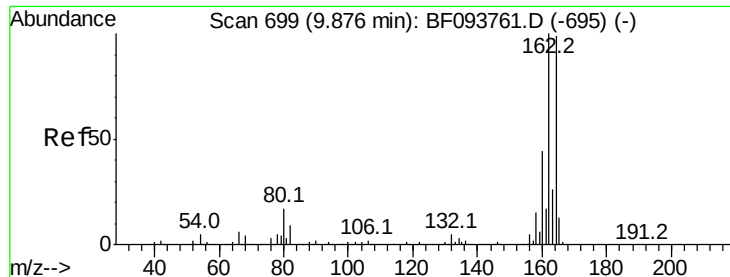
Tot Ion:127 Resp: 1203429
Ion Ratio Lower Upper
127 100
129 83.5 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#



#37
2-Methylnaphthalene
Concen: 102.18 ng
RT: 8.85 min Scan# 609
Delta R.T. 0.00 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:142 Resp: 2621955
Ion Ratio Lower Upper
142 100
141 89.6 71.3 106.9
115 35.2 27.1 40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

Instrument :

BNA_F

ClientSampled :

HP-CT-00

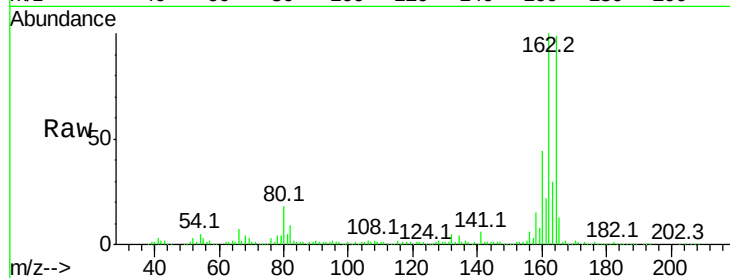
Tot Ion:164 Resp: 404792

Ion Ratio Lower Upper

164 100

162 101.4 82.6 123.8

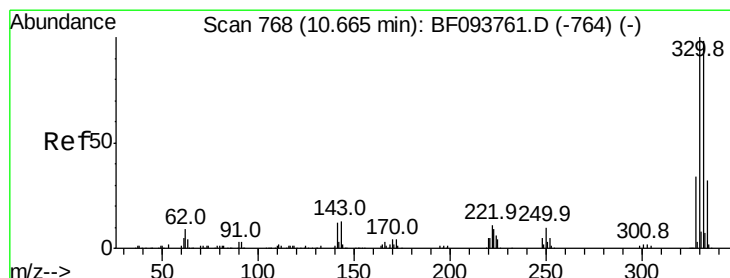
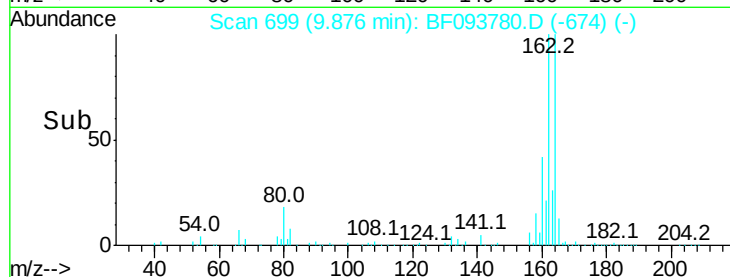
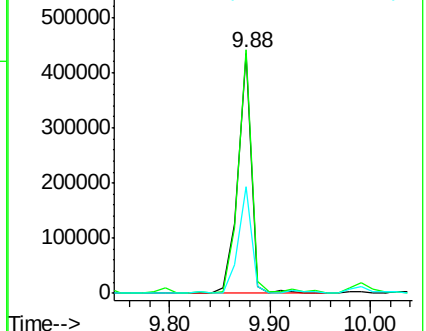
160 44.6 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 3.47 ng

RT: 10.65 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

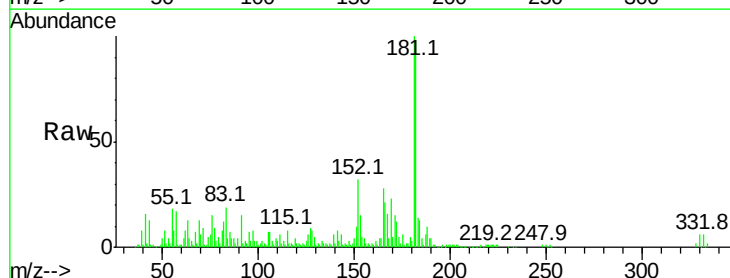
Tgt Ion:330 Resp: 10892

Ion Ratio Lower Upper

330 100

332 89.5 76.6 115.0

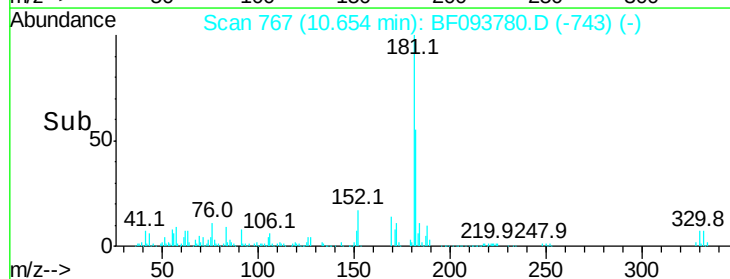
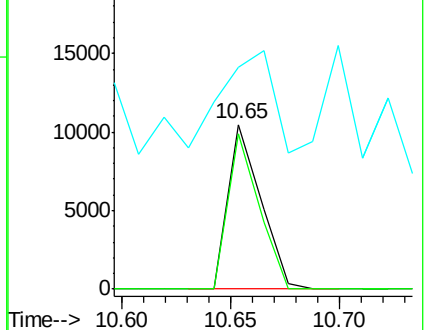
141 96.3 31.4 47.2#

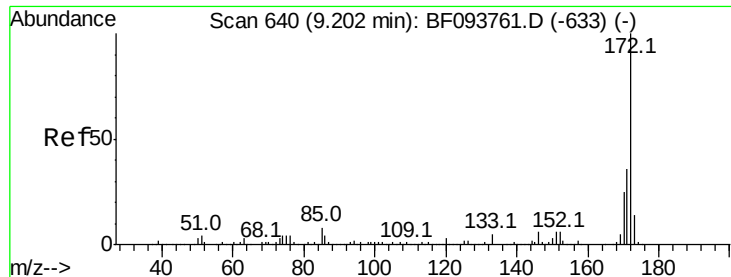


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

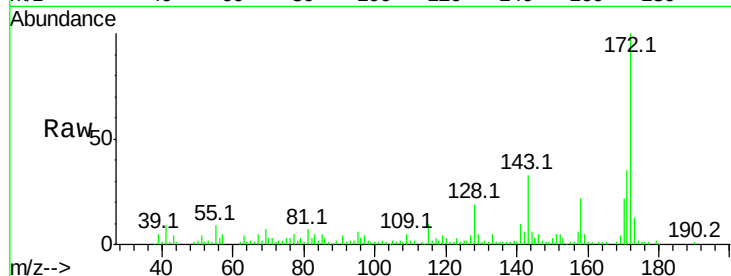




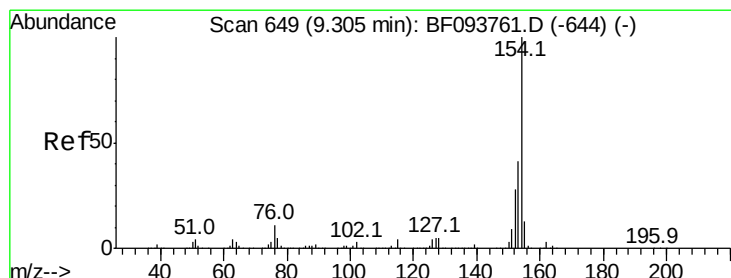
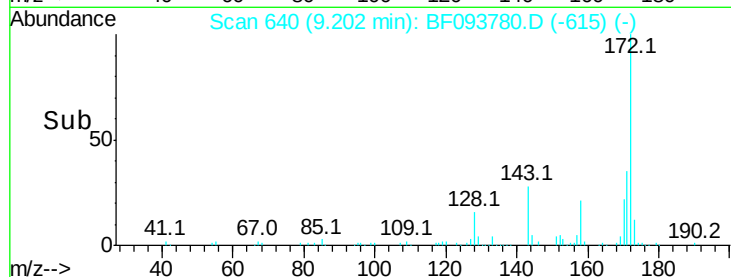
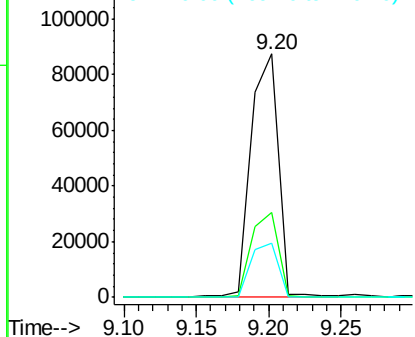
#44
2-Fluorobiphenyl
Concen: 4.78 ng
RT: 9.20 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	22.4	19.8	29.8

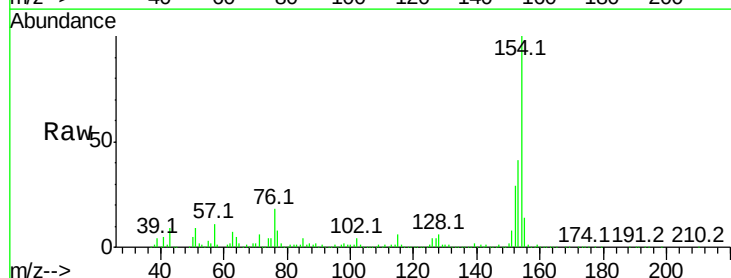


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

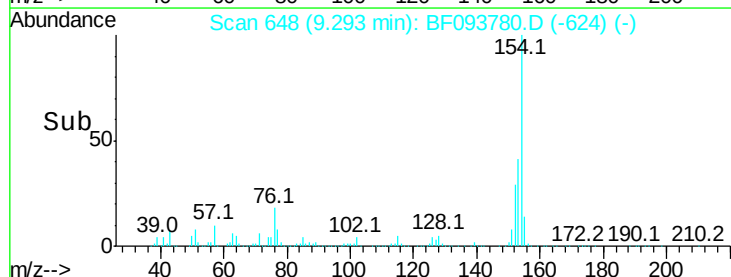
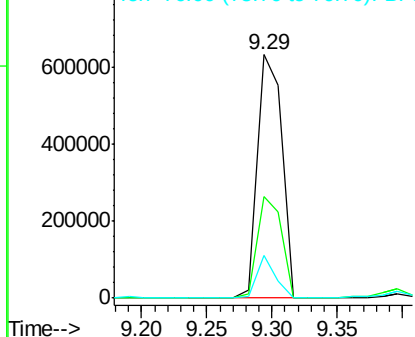


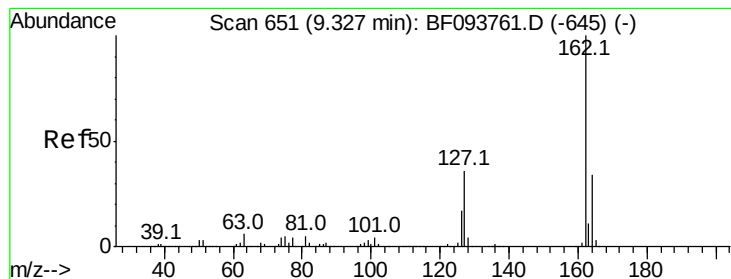
#45
1,1'-Biphenyl
Concen: 25.28 ng
RT: 9.29 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.2	61.2
76	17.7	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: 4.95 ng

RT: 9.37 min Scan# 655

Delta R.T. 0.03 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

Instrument :

BNA_F

ClientSampleId :

HP-CT-00

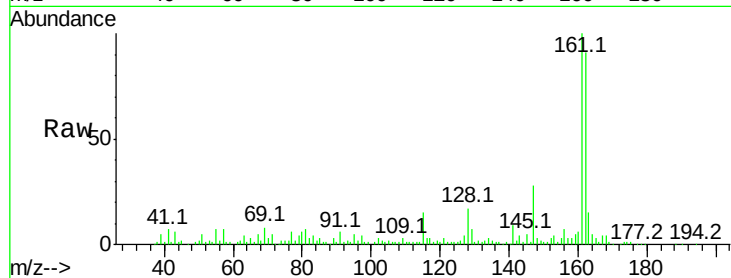
Tot Ion:162 Resp: 124888

Ion Ratio Lower Upper

162 100

127 4.8 28.3 42.5#

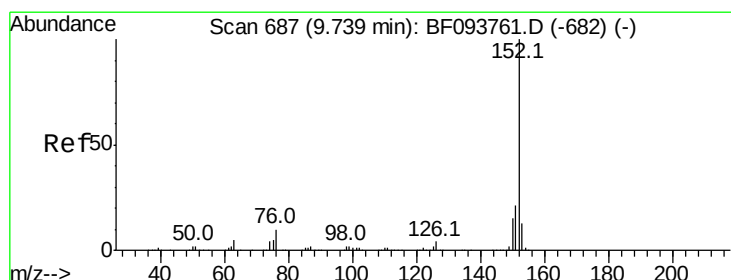
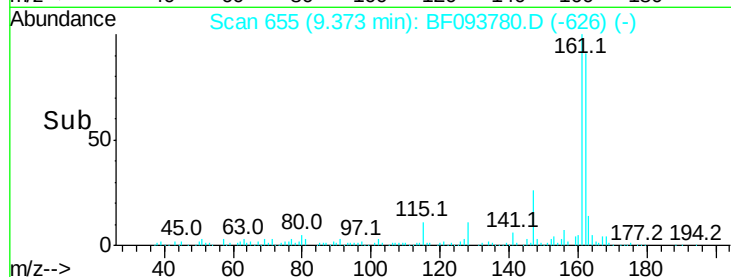
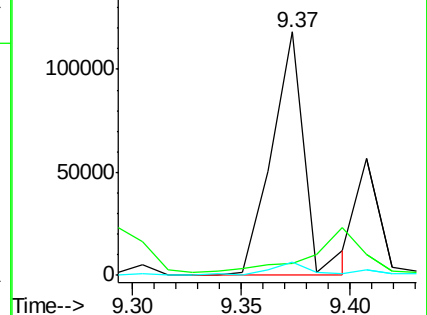
164 5.3 27.0 40.4#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

Acenaphthylene

Concen: 52.42 ng

RT: 9.74 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

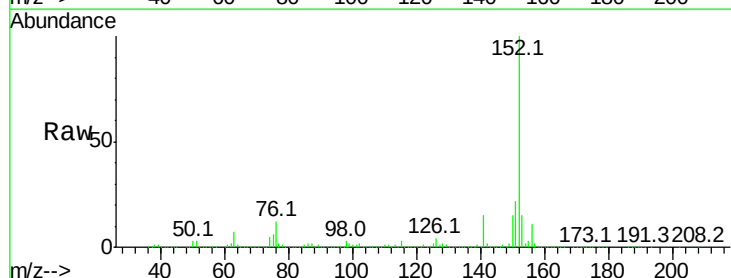
Tgt Ion:152 Resp: 2151931

Ion Ratio Lower Upper

152 100

151 21.6 16.8 25.2

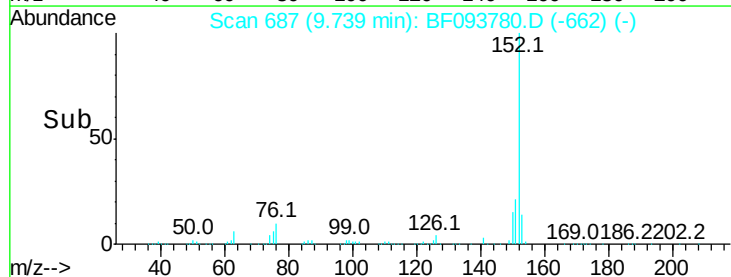
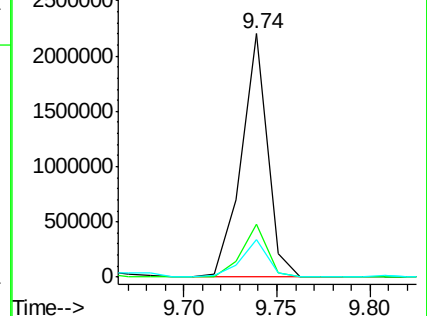
153 15.5 10.8 16.2

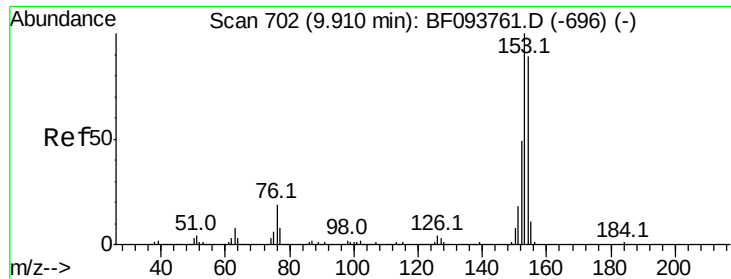


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 27.36 ng

RT: 9.91 min Scan# 702

Delta R.T. -0.01 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

Instrument :

BNA_F

ClientSampleId :

HP-CT-00

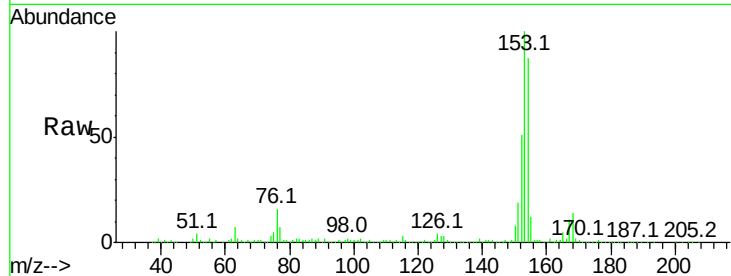
Tot Ion:154 Resp: 670905

Ion Ratio Lower Upper

154 100

153 114.8 90.5 135.7

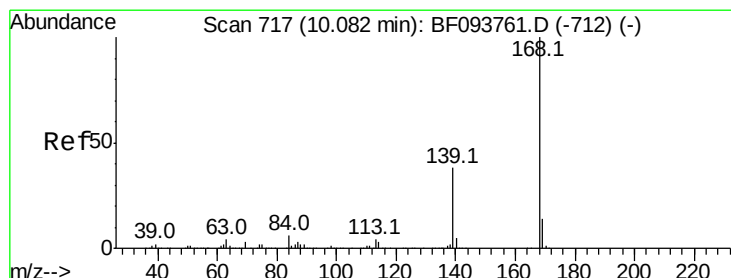
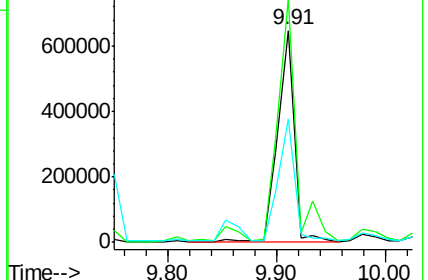
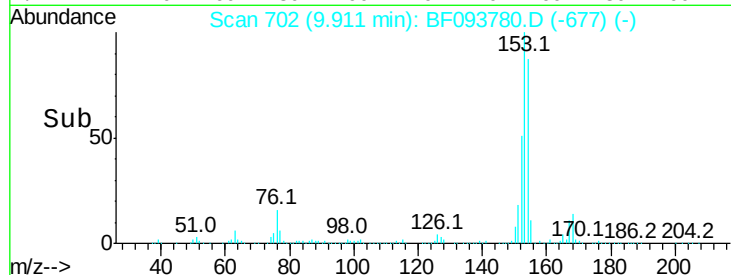
152 58.1 43.6 65.4



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: 32.16 ng

RT: 10.08 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

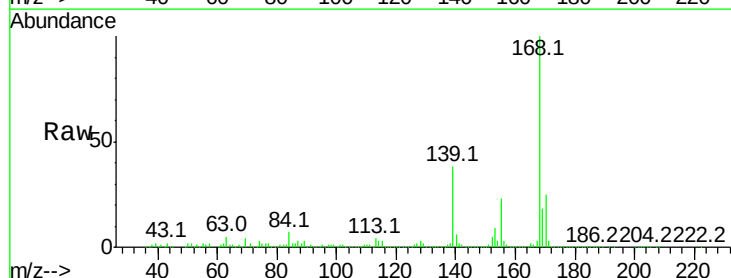
Tgt Ion:168 Resp: 1061171

Ion Ratio Lower Upper

168 100

139 37.9 30.6 45.8

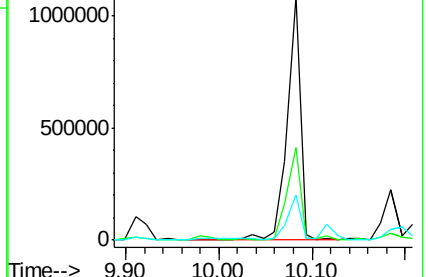
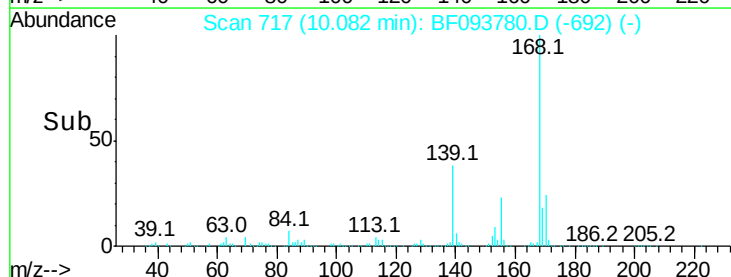
169 18.4 10.8 16.2#

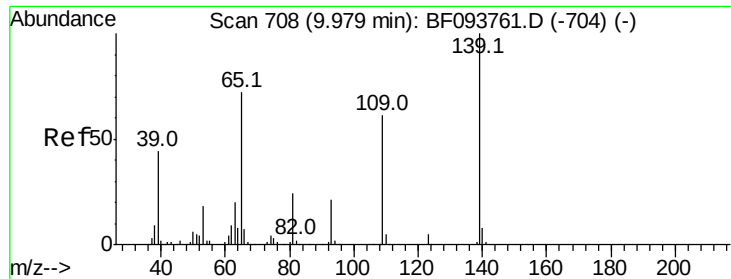


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

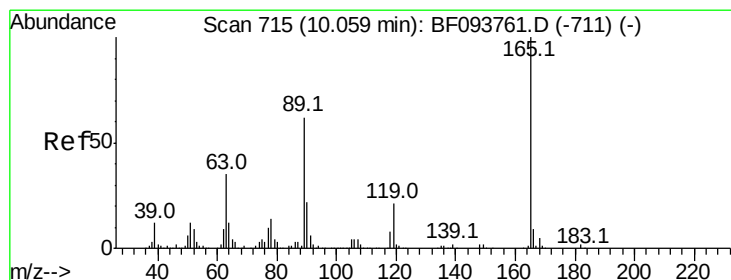
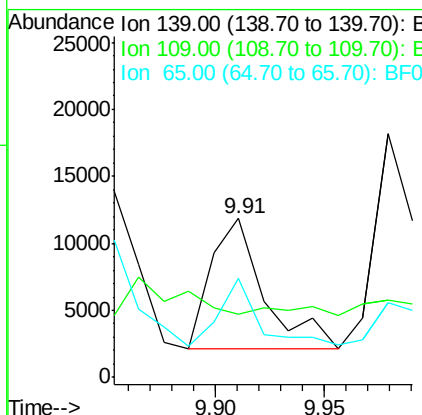
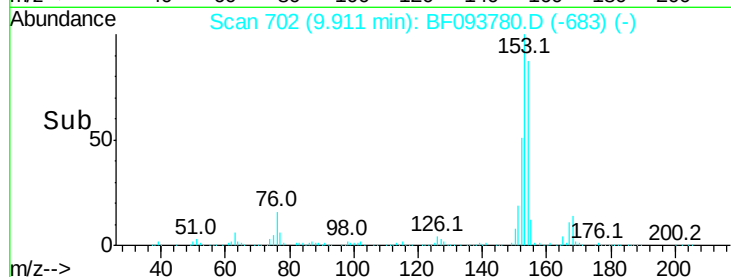
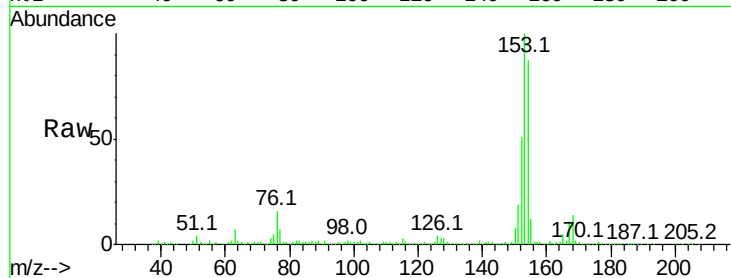




#55
4-Nitrophenol
Concen: 2.90 ng
RT: 9.91 min Scan# 702
Delta R.T. -0.08 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

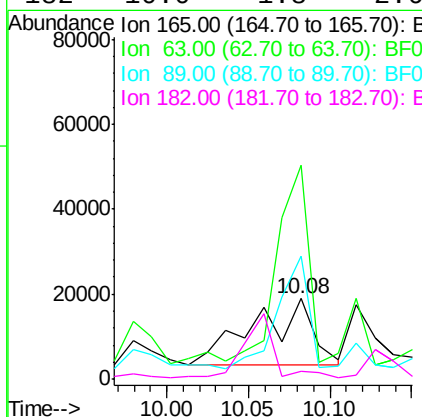
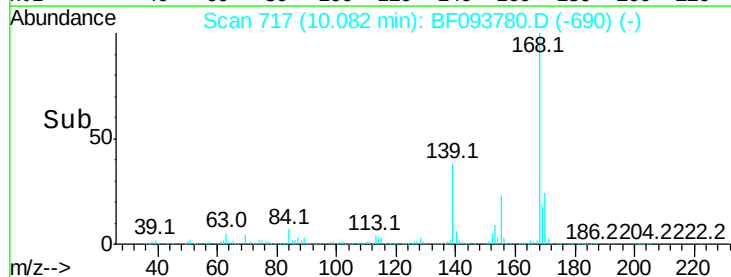
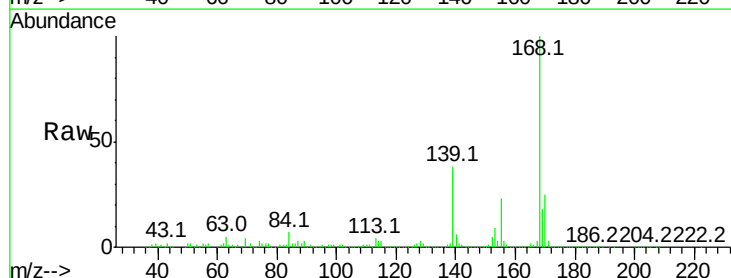
Instrument :
BNA_F
ClientSampleId :
HP-CT-00

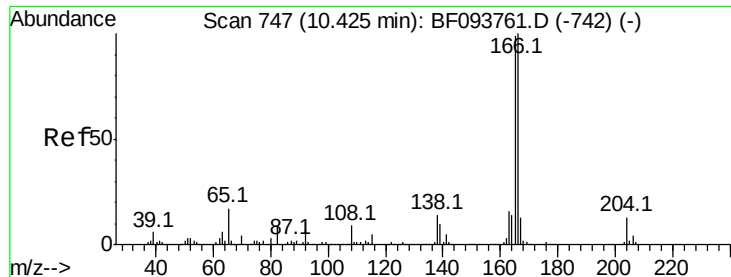
Tot Ion:139 Resp: 16510
Ion Ratio Lower Upper
139 100
109 40.2 34.1 74.1
65 62.0 31.4 71.4



#56
2,4-Dinitrotoluene
Concen: 5.02 ng
RT: 10.08 min Scan# 717
Delta R.T. 0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:165 Resp: 40303
Ion Ratio Lower Upper
165 100
63 266.0 25.4 38.0#
89 153.3 46.4 69.6#
182 10.0 1.8 2.6#





#57

Fluorene

Concen: 81.95 ng

RT: 10.42 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

Instrument :

BNA_F

ClientSampleId :

HP-CT-00

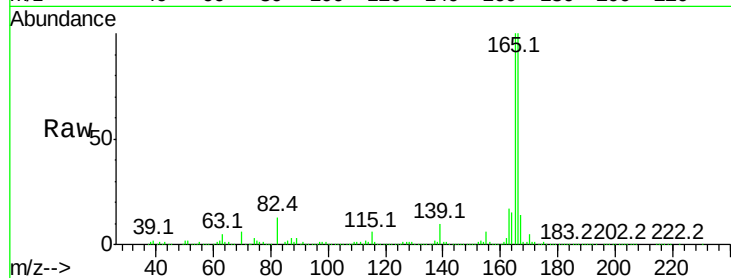
Tot Ion:166 Resp: 2070652

Ion Ratio Lower Upper

166 100

165 99.9 78.8 118.2

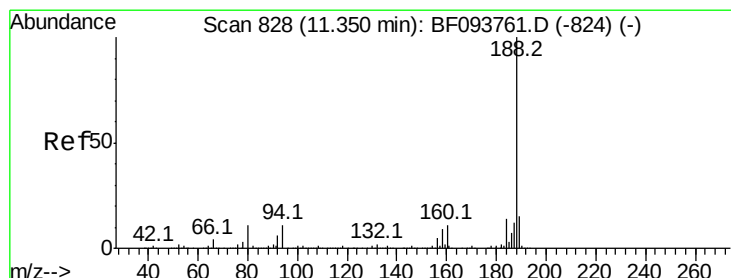
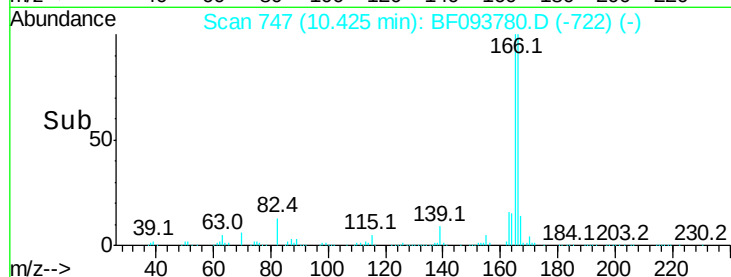
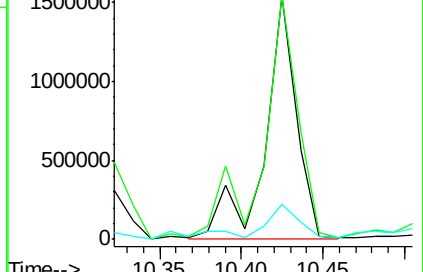
167 14.4 10.6 16.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 829

Delta R.T. 0.00 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

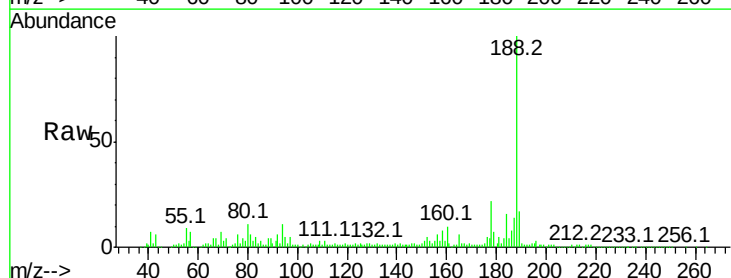
Tgt Ion:188 Resp: 554780

Ion Ratio Lower Upper

188 100

94 11.0 9.4 14.2

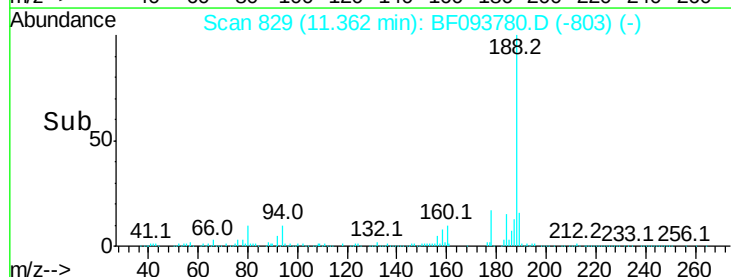
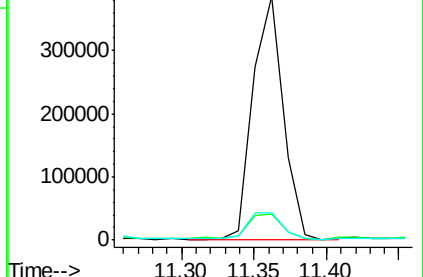
80 11.1 10.2 15.2

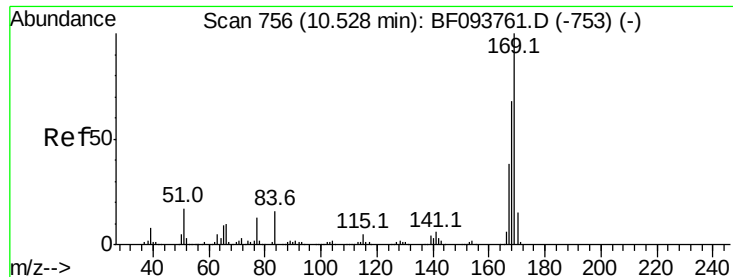


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 8.56 ng

RT: 10.54 min Scan# 757

Delta R.T. 0.00 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

Instrument :

BNA_F

ClientSampleId :

HP-CT-00

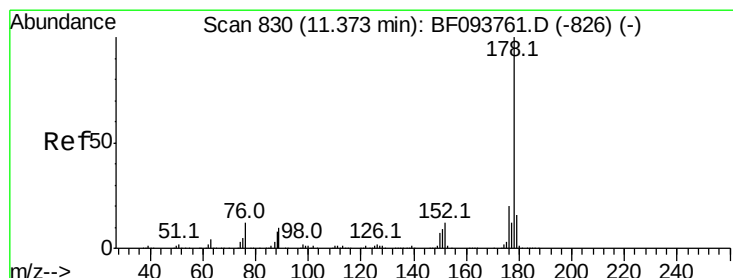
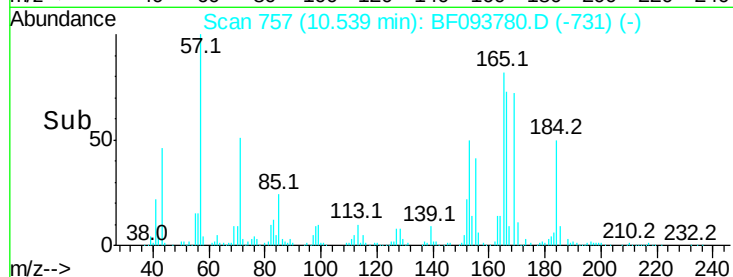
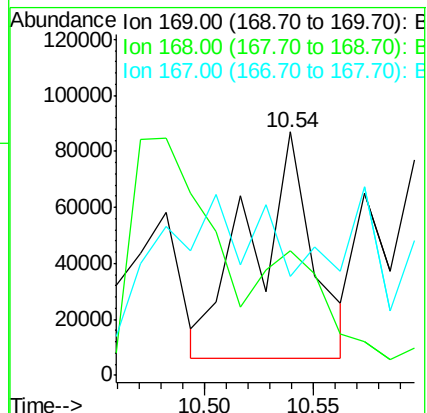
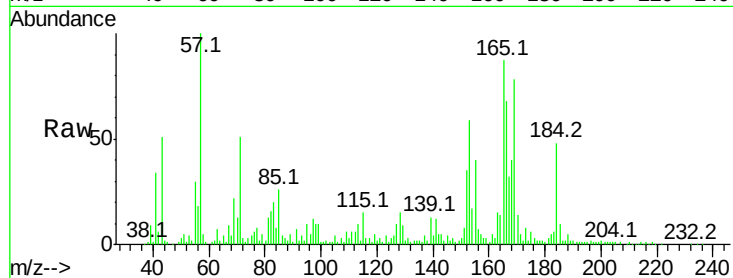
Tot Ion:169 Resp: 158347

Ion Ratio Lower Upper

169 100

168 51.3 53.2 79.8#

167 40.7 29.5 44.3



#70

Phenanthrene

Concen: 160.21 ng

RT: 11.40 min Scan# 832

Delta R.T. 0.01 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

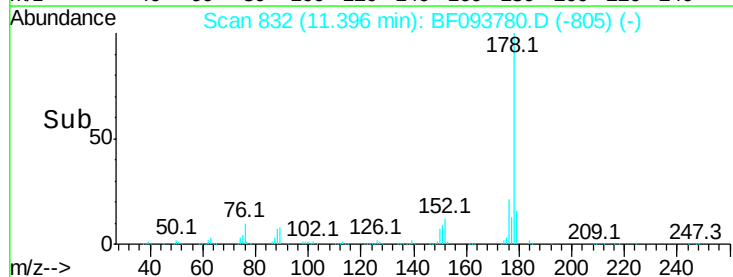
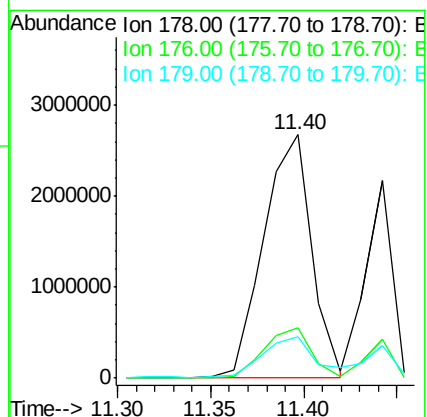
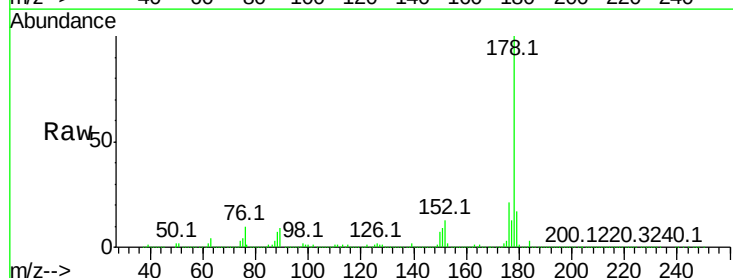
Tgt Ion:178 Resp: 4733471

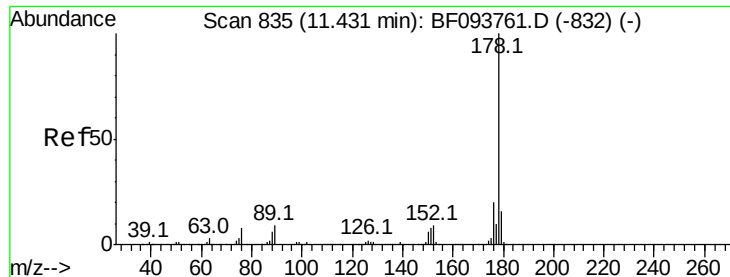
Ion Ratio Lower Upper

178 100

176 20.8 16.2 24.4

179 16.9 12.6 19.0

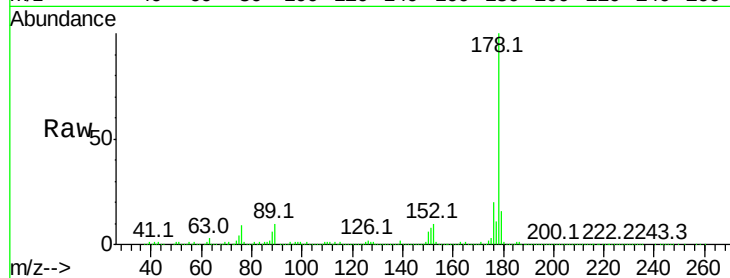




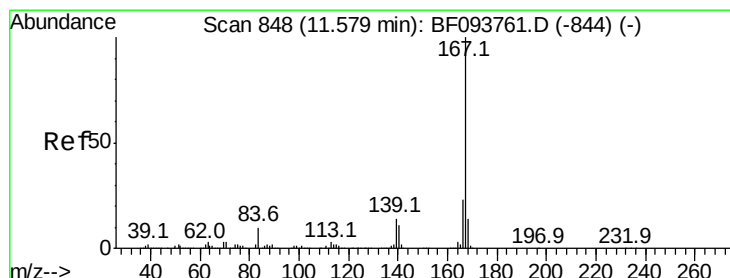
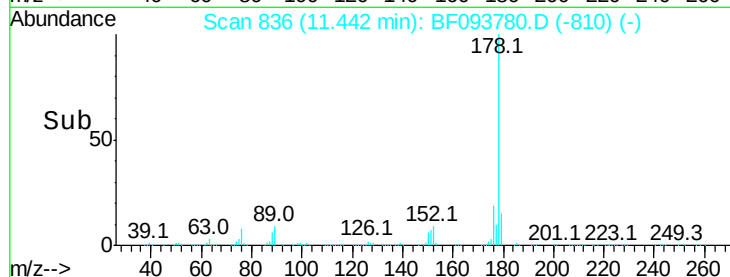
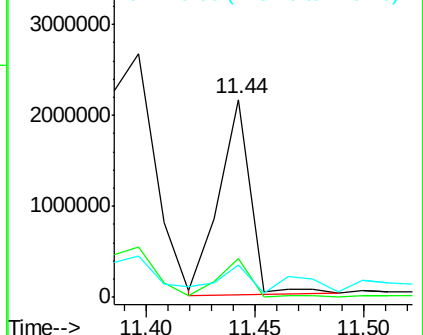
#71
 Anthracene
 Concen: 70.33 ng
 RT: 11.44 min Scan# 836
 Delta R.T. 0.00 min
 Lab File: BF093780.D
 Acq: 20 Mar 2017 22:38

Instrument :
 BNA_F
 ClientSampleId :
 HP-CT-00

Tot Ion:178 Resp: 2139382
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.8 23.8
 179 16.4 12.7 19.1

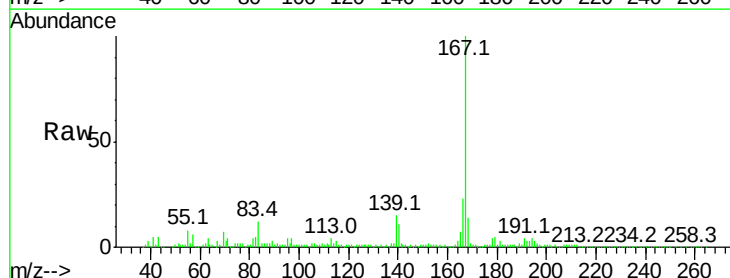


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

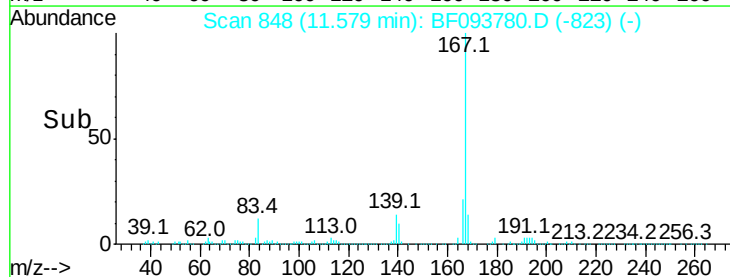
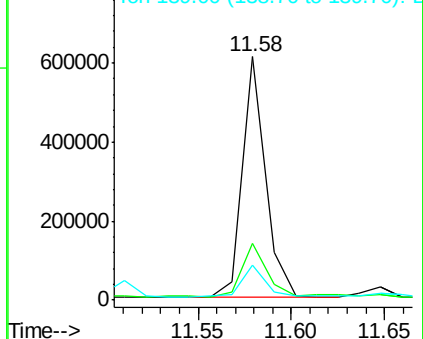


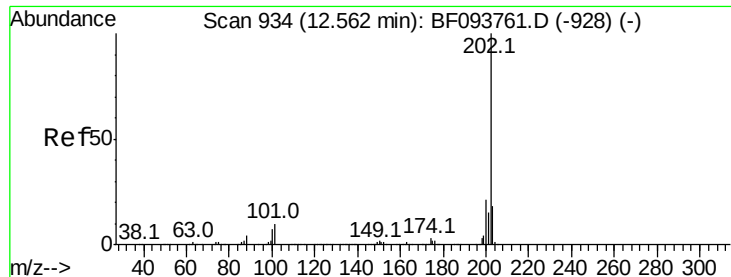
#72
 Carbazole
 Concen: 17.50 ng
 RT: 11.58 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: BF093780.D
 Acq: 20 Mar 2017 22:38

Tgt Ion:167 Resp: 526993
 Ion Ratio Lower Upper
 167 100
 166 23.2 18.1 27.1
 139 14.6 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: 84.94 ng

RT: 12.57 min Scan# 935

Delta R.T. 0.00 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

Instrument :

BNA_F

ClientSampled :

HP-CT-00

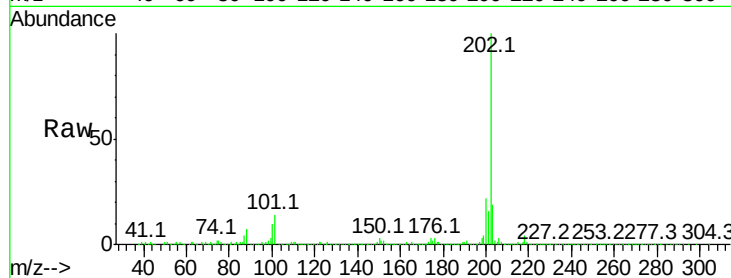
Tot Ion:202 Resp: 2579699

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.2

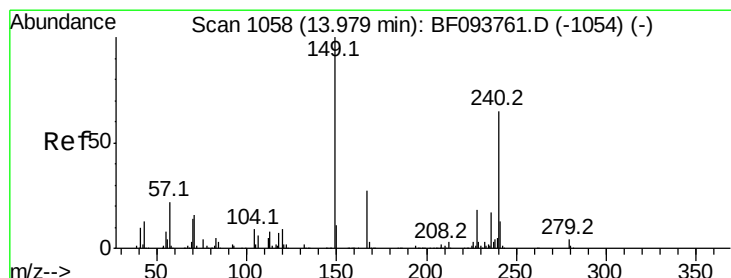
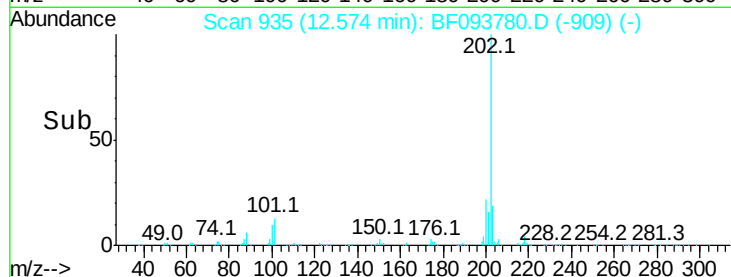
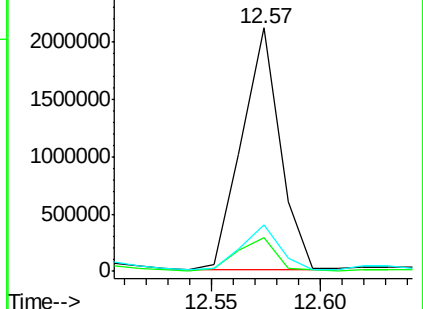
203 19.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

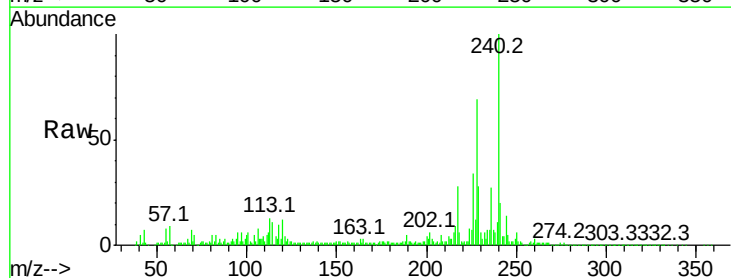
Tgt Ion:240 Resp: 351850

Ion Ratio Lower Upper

240 100

120 12.4 5.8 8.8#

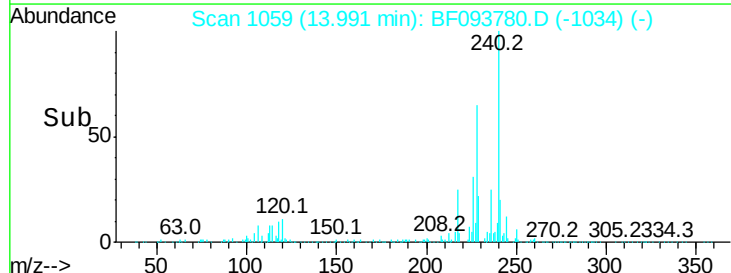
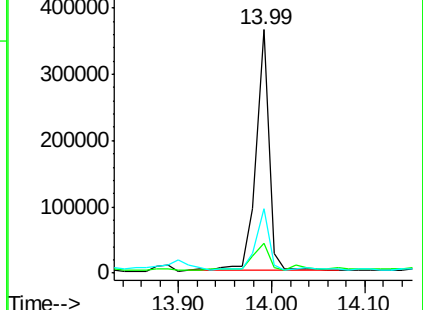
236 26.7 20.5 30.7

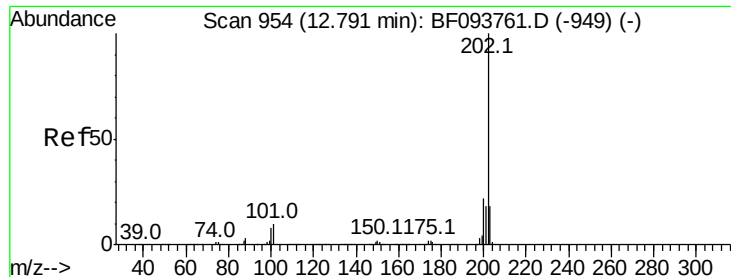


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 122.80 ng

RT: 12.80 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

Instrument :

BNA_F

ClientSampled :

HP-CT-00

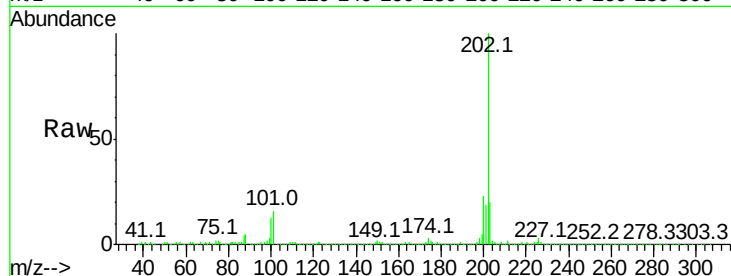
Tot Ion:202 Resp: 3595791

Ion Ratio Lower Upper

202 100

200 22.6 17.6 26.4

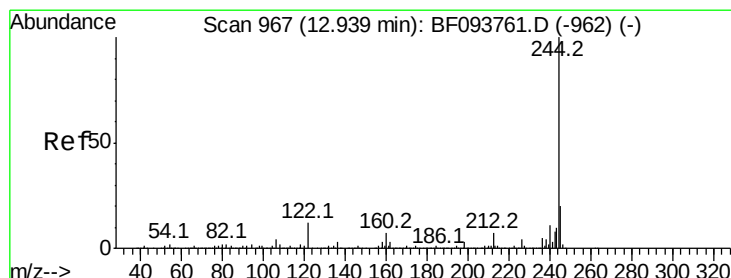
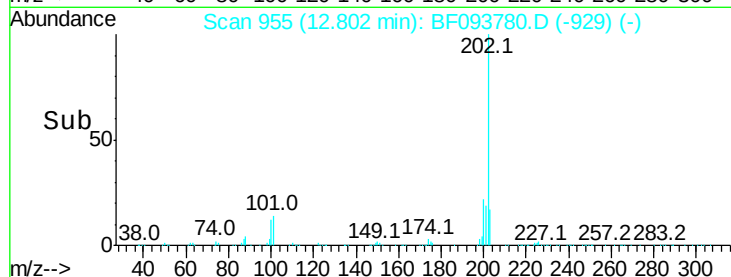
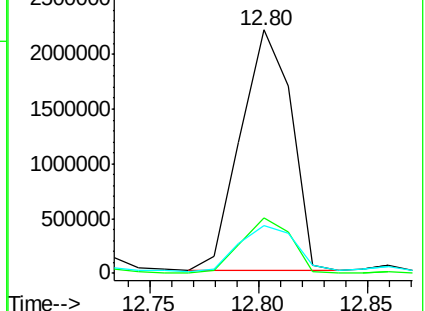
203 19.8 14.4 21.6



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: 3.58 ng

RT: 12.94 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

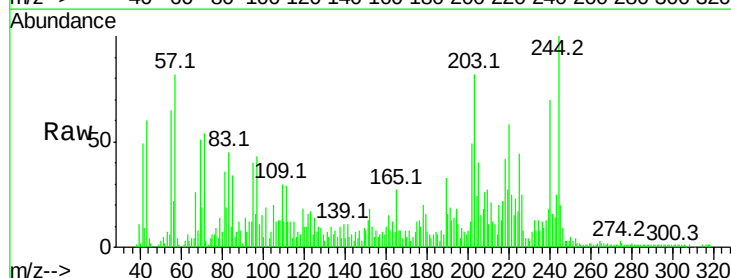
Tgt Ion:244 Resp: 61804

Ion Ratio Lower Upper

244 100

212 11.7 6.0 9.0#

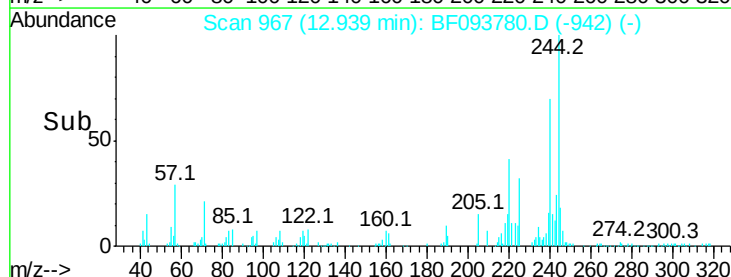
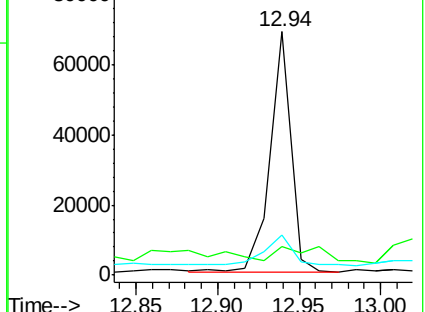
122 16.4 10.3 15.5#

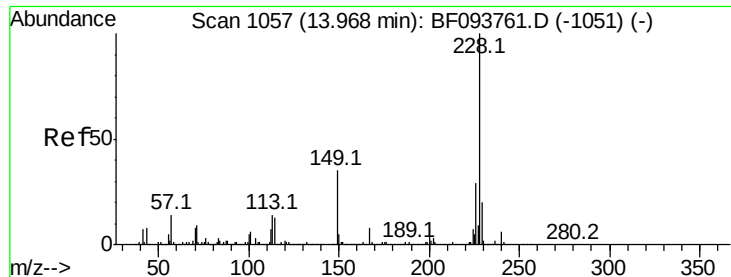


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 71.32 ng

RT: 13.98 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

Instrument :

BNA_F

ClientSampleId :

HP-CT-00

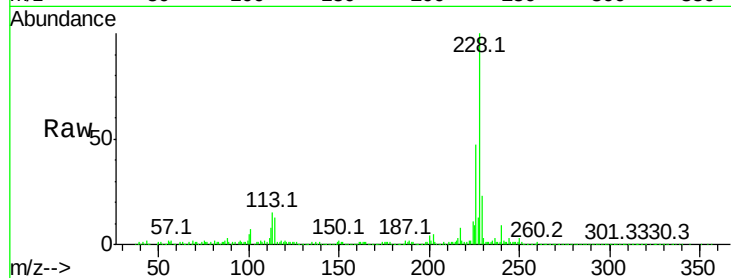
Tot Ion:228 Resp: 1571814

Ion Ratio Lower Upper

228 100

226 47.2 22.6 33.8#

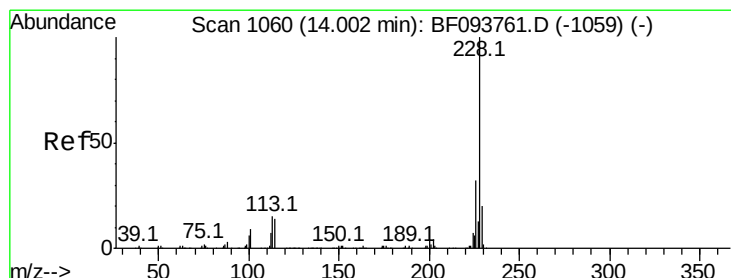
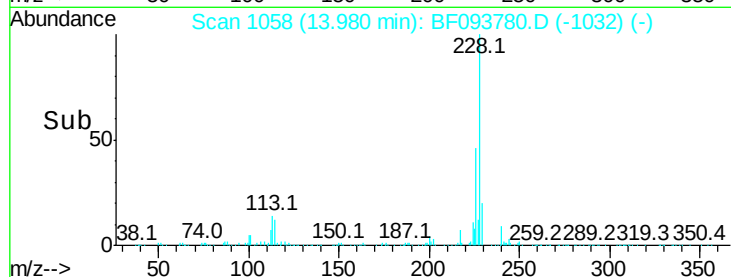
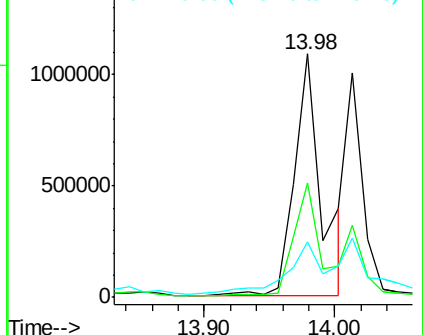
229 22.7 16.3 24.5



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: 71.38 ng

RT: 13.98 min Scan# 1058

Delta R.T. -0.05 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

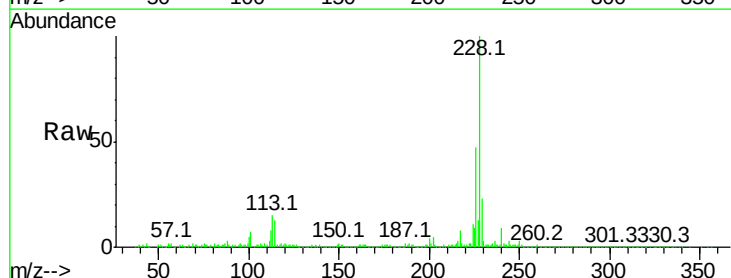
Tgt Ion:228 Resp: 1571814

Ion Ratio Lower Upper

228 100

226 47.2 24.9 37.3#

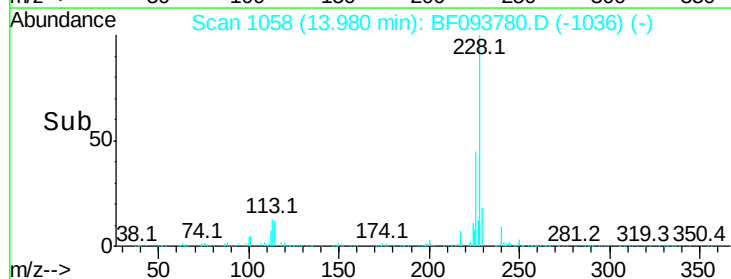
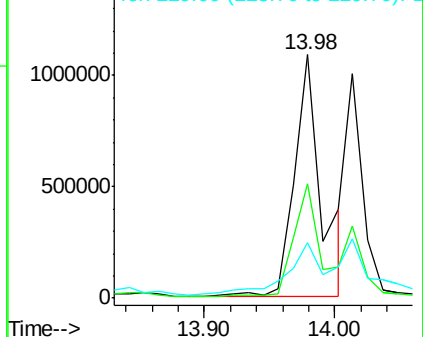
229 22.7 15.8 23.6

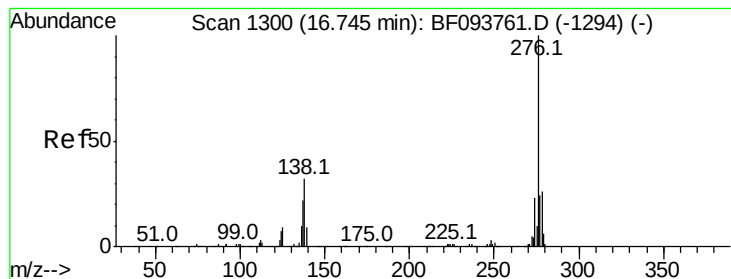


Abundance Ion 228.00 (227.70 to 228.70): E

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: 23.51 ng

RT: 16.77 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

Instrument :

BNA_F

ClientSampleId :

HP-CT-00

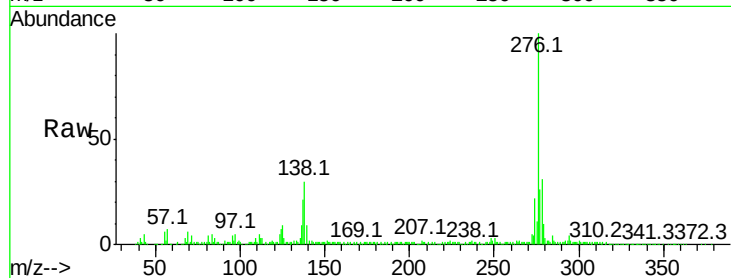
Tot Ion:276 Resp: 423942

Ion Ratio Lower Upper

276 100

138 31.0 27.8 41.6

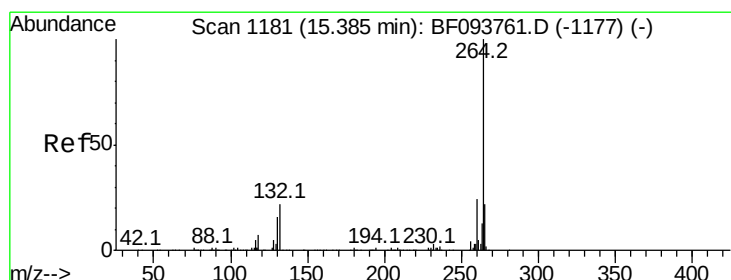
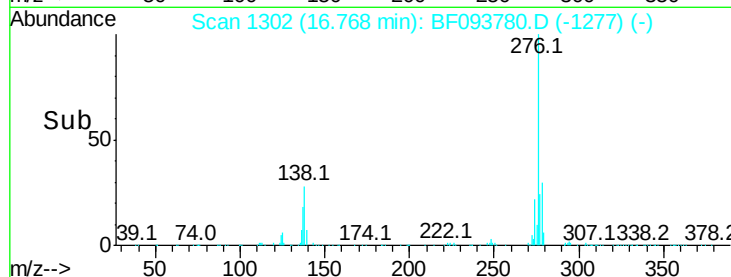
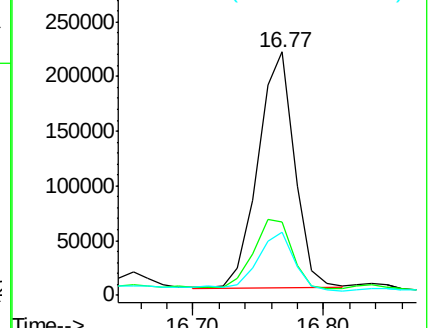
277 25.7 20.2 30.4



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: 15.40 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

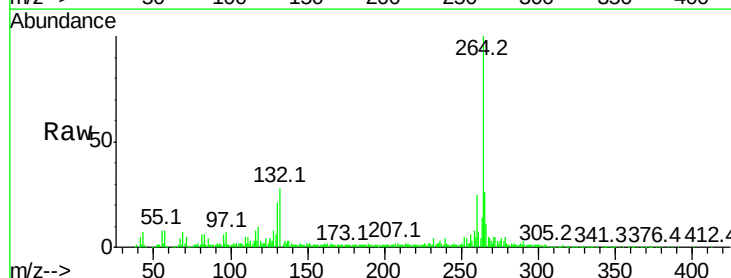
Tgt Ion:264 Resp: 364524

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

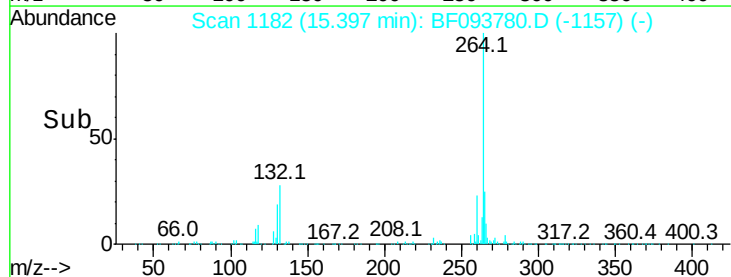
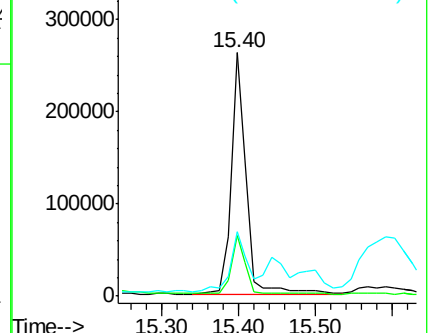
265 26.3 17.2 25.8#

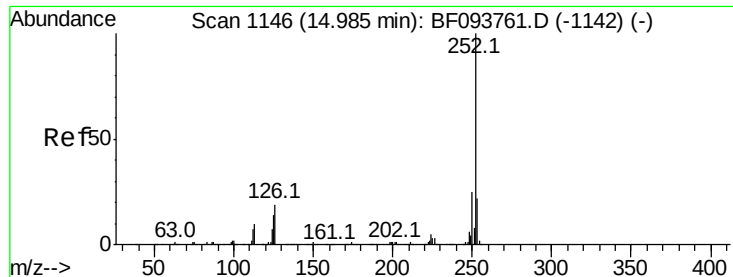


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 58.43 ng

RT: 15.01 min Scan# 1148

Delta R.T. 0.00 min

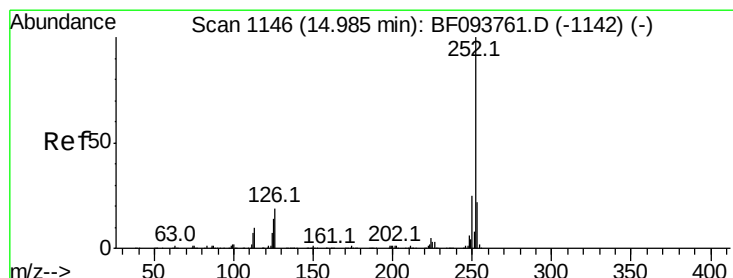
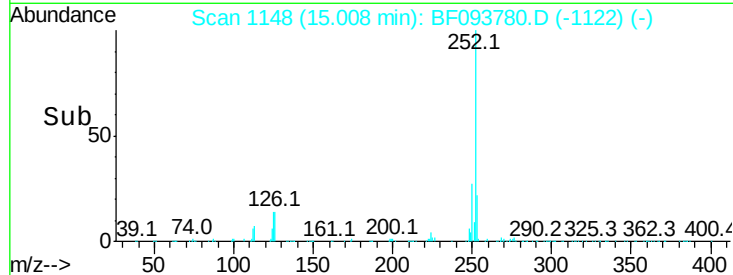
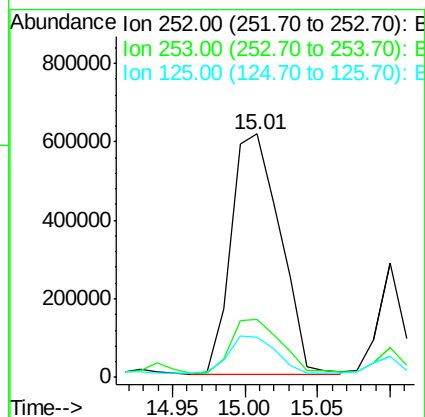
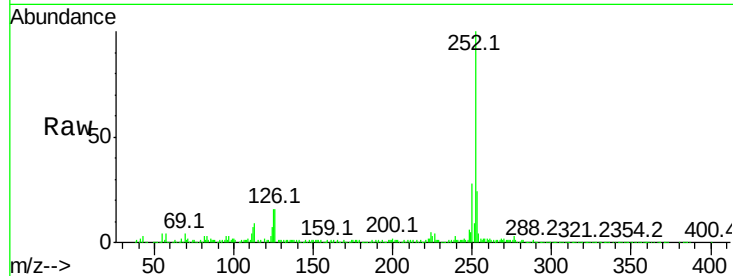
Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tot Ion:252 Resp: 1435849

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	16.4	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 79.13 ng

RT: 15.01 min Scan# 1148

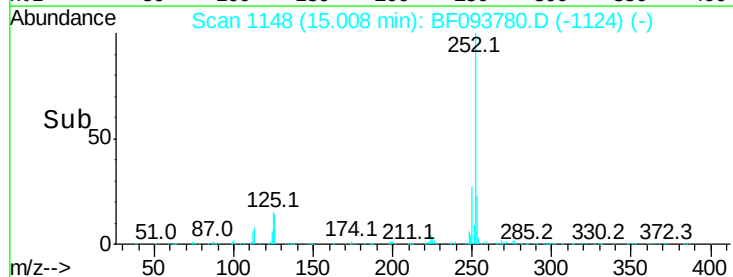
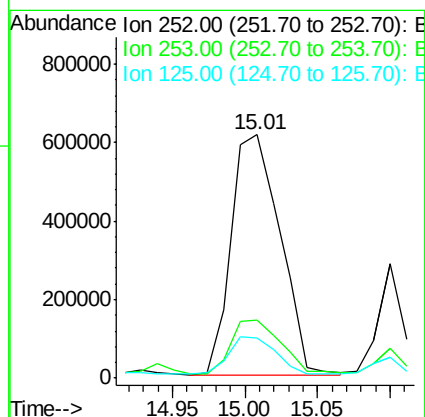
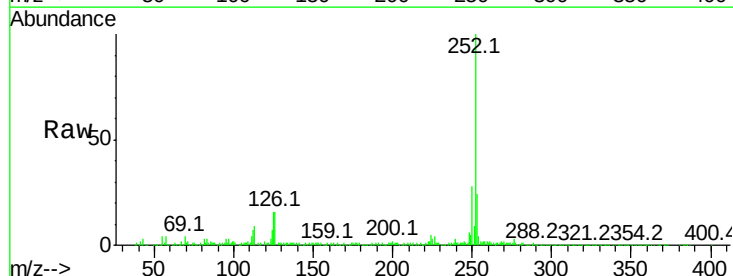
Delta R.T. -0.02 min

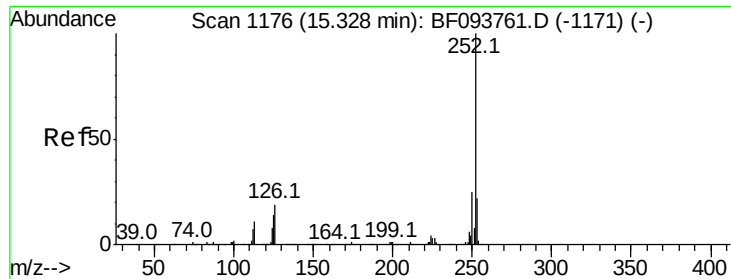
Lab File: BF093780.D

Acq: 20 Mar 2017 22:38

Tgt Ion:252 Resp: 1435849

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	16.4	13.1	19.7

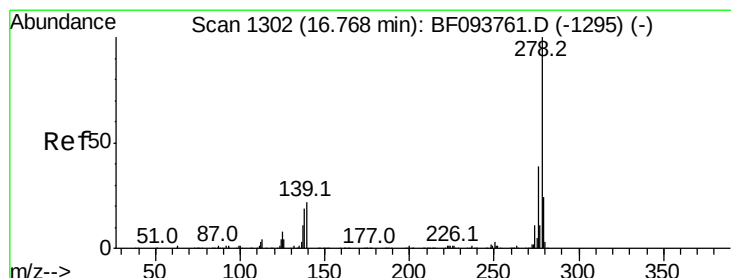
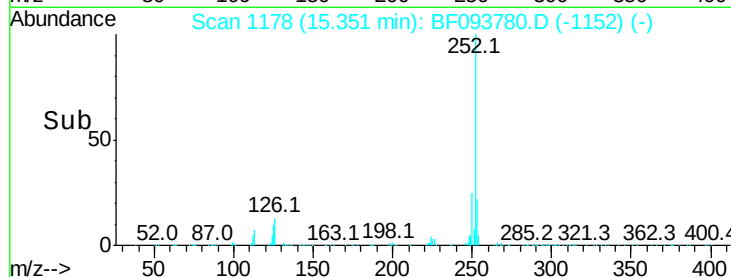
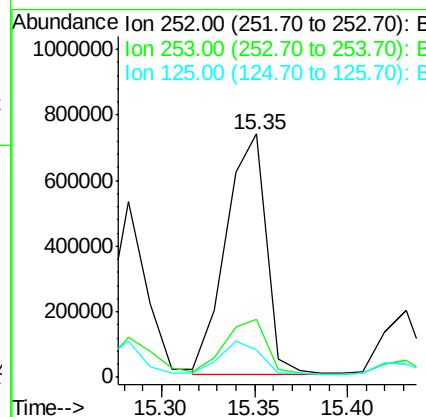
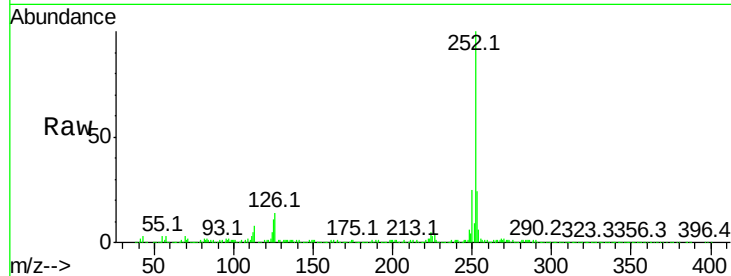




#89
Benzo(a)pyrene
Concen: 55.62 ng
RT: 15.35 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

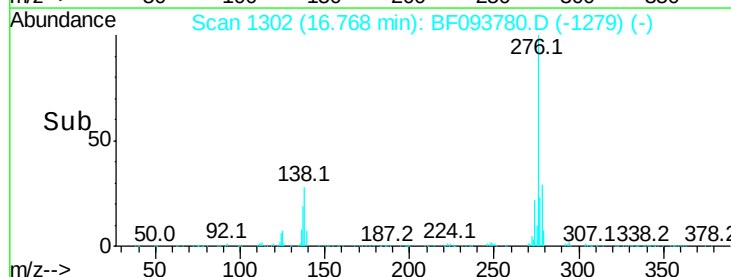
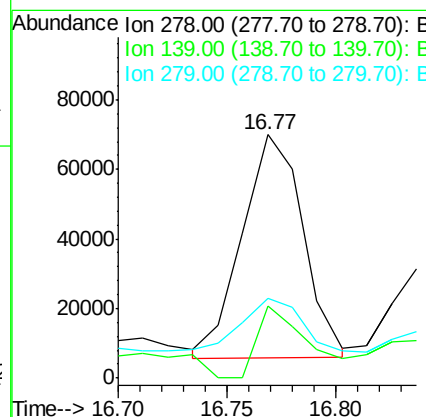
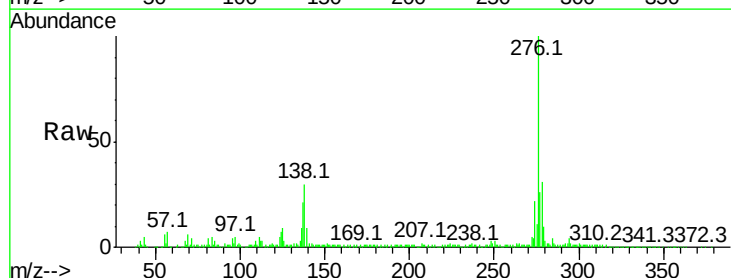
Instrument :
BNA_F
ClientSampleId :
HP-CT-00

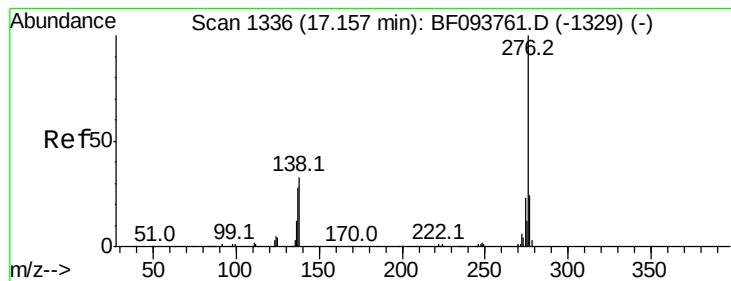
Tot Ion:252 Resp: 1108335
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 11.0 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 7.55 ng
RT: 16.77 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:278 Resp: 124916
Ion Ratio Lower Upper
278 100
139 29.8 16.6 24.8#
279 33.0 19.3 28.9#

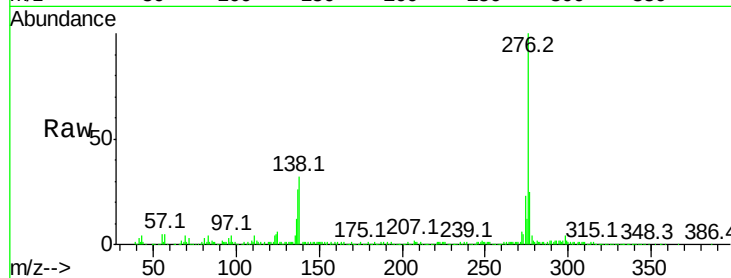




#91
 Benzo(a,h,i)perylene
 Concen: 30.60 ng
 RT: 17.18 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF093780.D
 Acq: 20 Mar 2017 22:38

Instrument :
 BNA_F
 ClientSampleId :
 HP-CT-00

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	31.9	25.4	38.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

