

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032117\
 Data File : BF093827.D
 Acq On : 22 Mar 2017 10:03
 Operator : SJ/MA
 Sample : I2318-07DL 50X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HP-PW-01DL

Quant Time: Mar 22 14:51:51 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 21 14:38:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	205739	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	826971	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	373442	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	580188	20.00	ng	0.00
75) Chrysene-d12	13.97	240	387957	20.00	ng	0.00
86) Perylene-d12	15.37	264	351893	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	28105	2.39	ng	-0.01
7) Phenol-d6	6.45	99	37992	2.61	ng	-0.01
23) Nitrobenzene-d5	7.38	82	19639	1.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	5280	1.83	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	45292	2.04	ng	0.00
78) Terphenyl-d14	12.92	244	29079	1.53	ng	-0.01

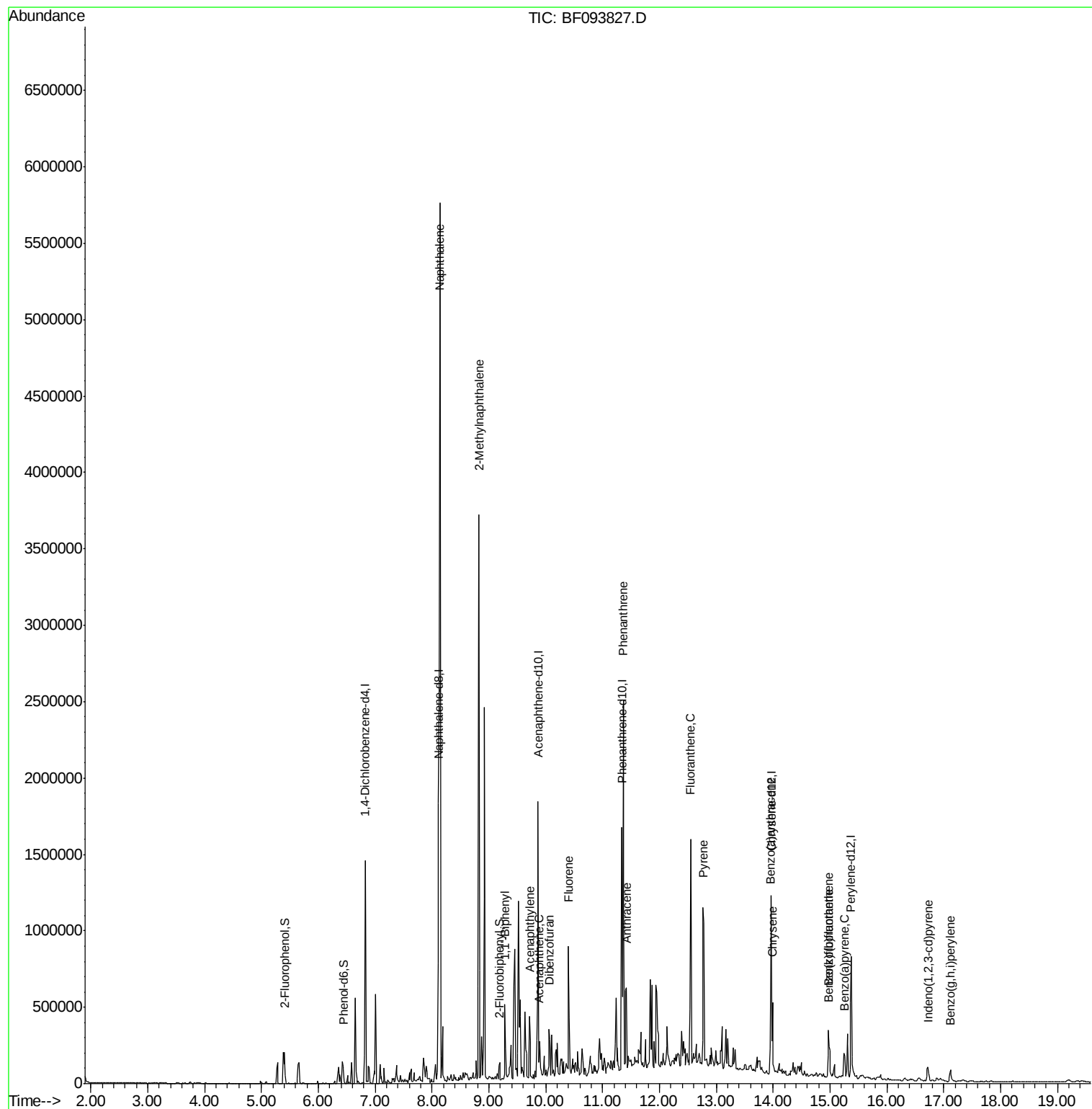
Target Compounds				Qvalue		
31) Naphthalene	8.14	128	2808477	73.17	ng	98
37) 2-Methylnaphthalene	8.82	142	1024571	40.89	ng	99
45) 1,1'-Biphenyl	9.28	154	157034	5.17	ng	97
48) Acenaphthylene	9.72	152	108974	2.88	ng	# 94
51) Acenaphthene	9.89	154	54066	2.39	ng	99
54) Dibenzofuran	10.06	168	85536	2.81	ng	# 89
57) Fluorene	10.40	166	269192	11.55	ng	98
70) Phenanthrene	11.36	178	1060240	34.31	ng	99
71) Anthracene	11.42	178	308297	9.69	ng	98
74) Fluoranthene	12.55	202	558293	17.58	ng	97
77) Pyrene	12.78	202	606436	18.78	ng	97
80) Benzo(a)anthracene	13.96	228	192791m	7.93	ng	
82) Chrysene	13.99	228	172680m	7.11	ng	
85) Indeno(1,2,3-cd)pyrene	16.72	276	58471	2.94	ng	97
87) Benzo(b)fluoranthene	14.97	252	161871m	6.82	ng	
88) Benzo(k)fluoranthene	14.99	252	61641m	3.52	ng	
89) Benzo(a)pyrene	15.26	252	84076	4.37	ng	98
91) Benzo(g,h,i)perylene	17.12	276	57339	3.62	ng	97

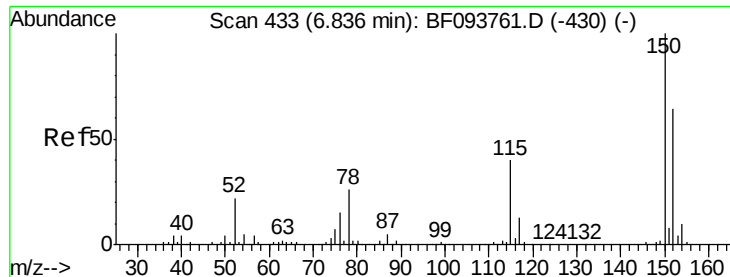
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032117\
Data File : BF093827.D
Acq On : 22 Mar 2017 10:03
Operator : SJ/MA
Sample : I2318-07DL 50X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Quant Time: Mar 22 14:51:51 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 21 14:38:20 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 432

Delta R.T. -0.00 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

Instrument :

BNA_F

ClientSampleID :

HP-PW-01DL

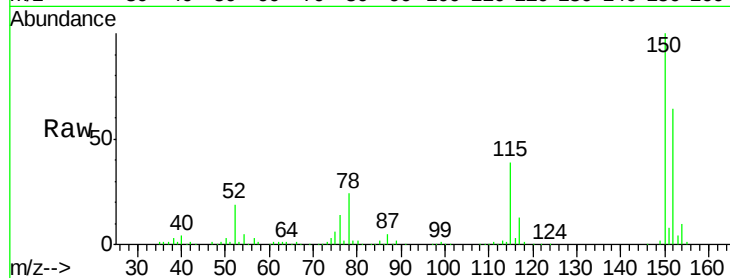
Tgt Ion:152 Resp: 205739

Ion Ratio Lower Upper

152 100

150 157.2 126.2 189.2

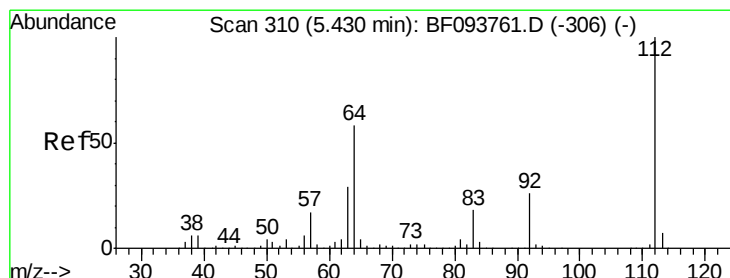
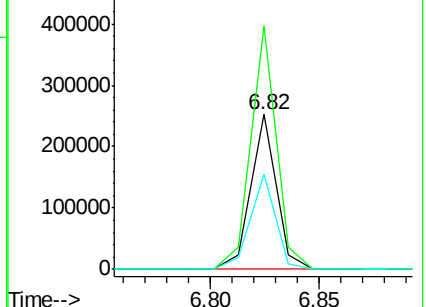
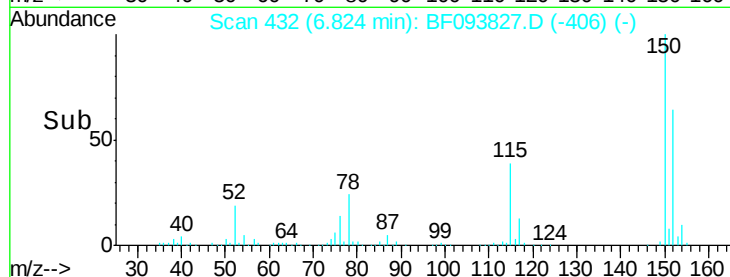
115 61.7 52.2 78.2



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: 2.39 ng

RT: 5.41 min Scan# 308

Delta R.T. -0.01 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

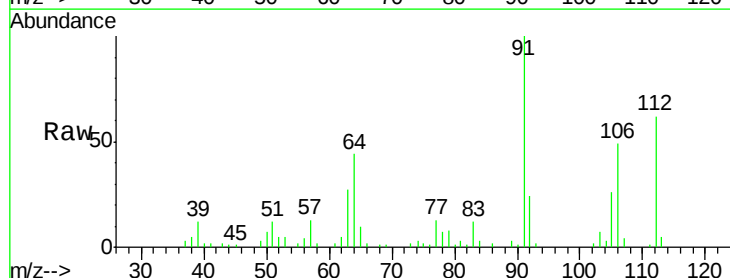
Tgt Ion:112 Resp: 28105

Ion Ratio Lower Upper

112 100

64 70.6 46.0 69.0#

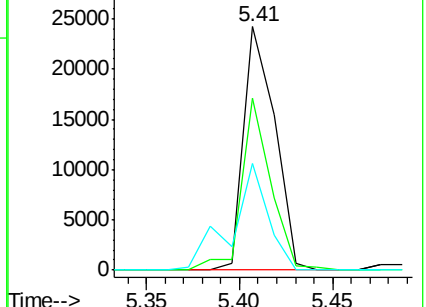
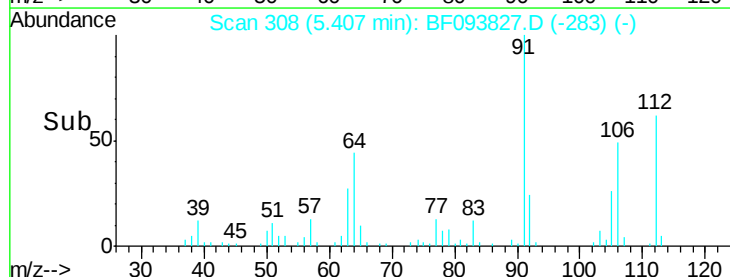
63 43.9 23.4 35.0#

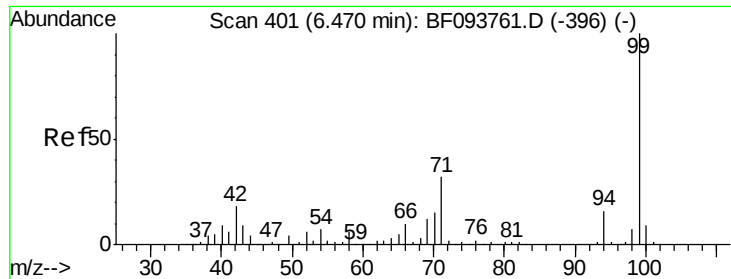


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 2.61 ng

RT: 6.45 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

Instrument :

BNA_F

ClientSampleId :

HP-PW-01DL

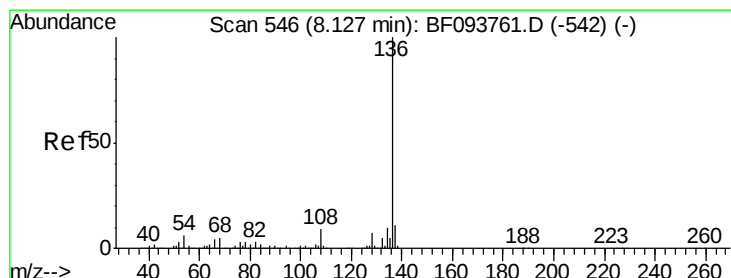
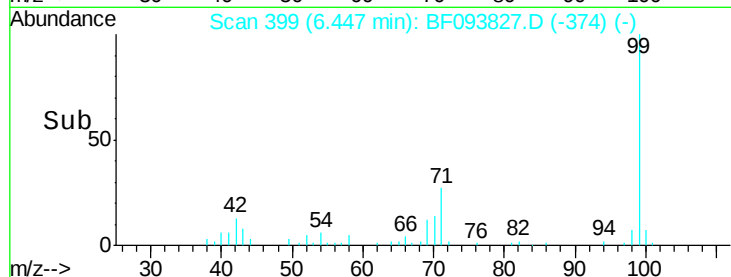
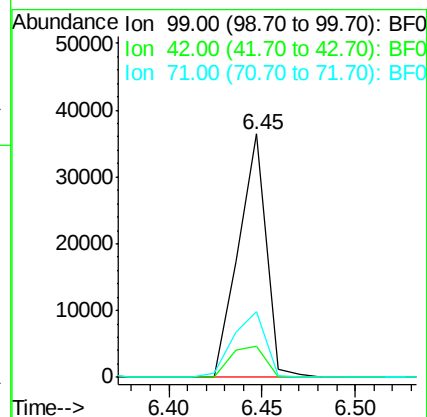
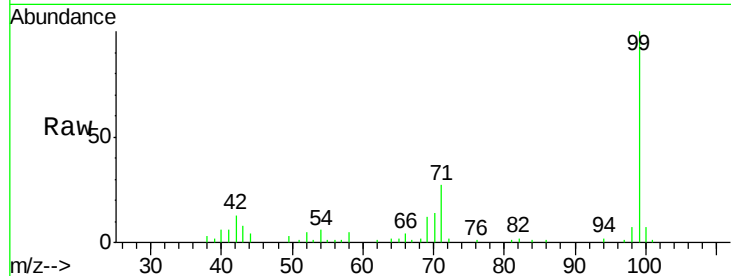
Tgt Ion: 99 Resp: 37992

Ion Ratio Lower Upper

99 100

42 12.8 13.5 20.3#

71 26.9 24.5 36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 545

Delta R.T. -0.00 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

Tgt Ion: 136 Resp: 826971

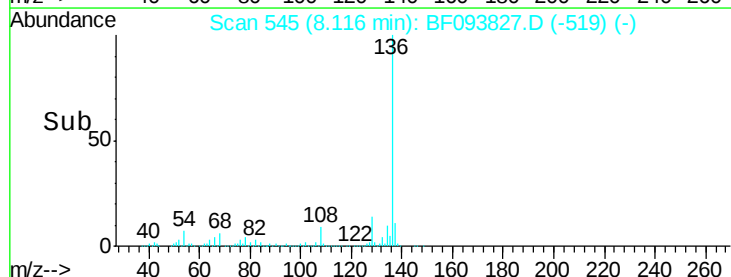
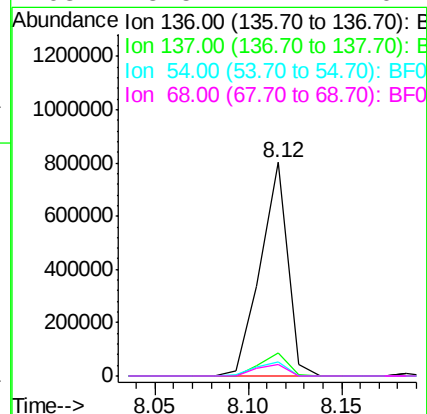
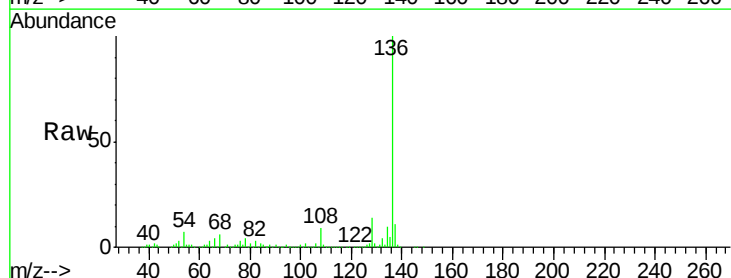
Ion Ratio Lower Upper

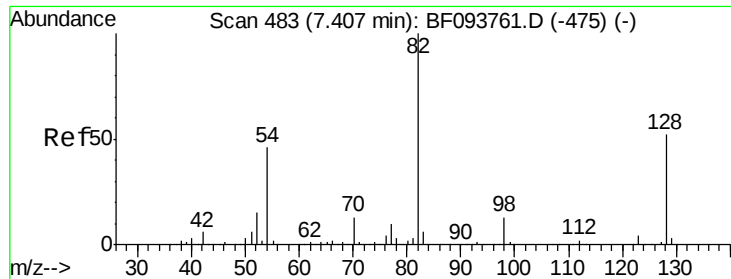
136 100

137 10.7 8.5 12.7

54 6.7 4.9 7.3

68 5.5 4.1 6.1

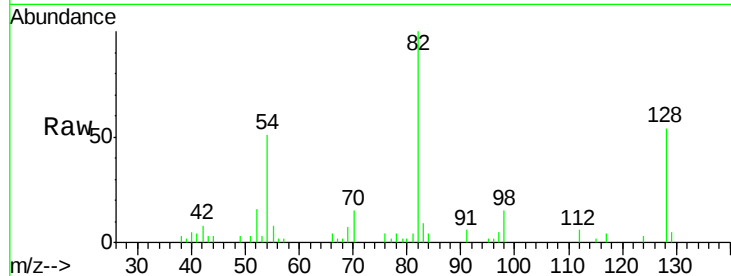




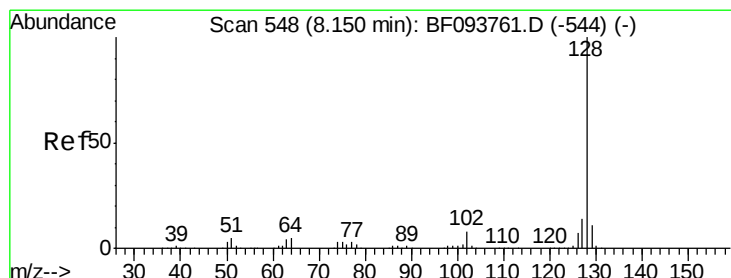
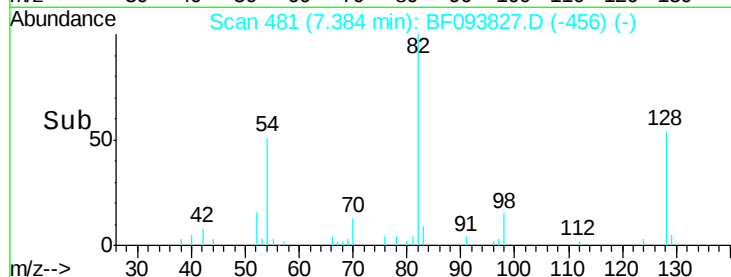
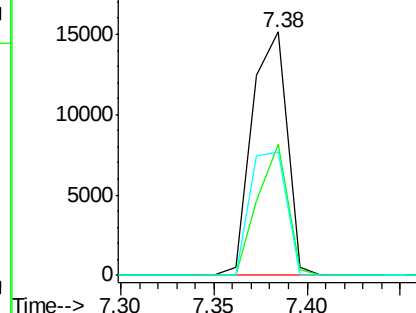
#23
Nitrobenzene-d5
Concen: 1.35 ng
RT: 7.38 min Scan# 481
Delta R.T. -0.01 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion: 82 Resp: 19639
Ion Ratio Lower Upper
82 100
128 53.6 34.0 51.0#
54 50.8 42.2 63.2

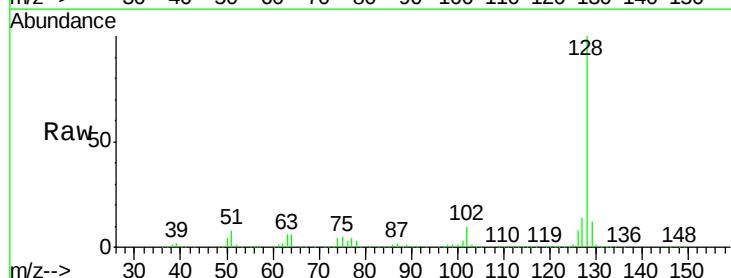


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

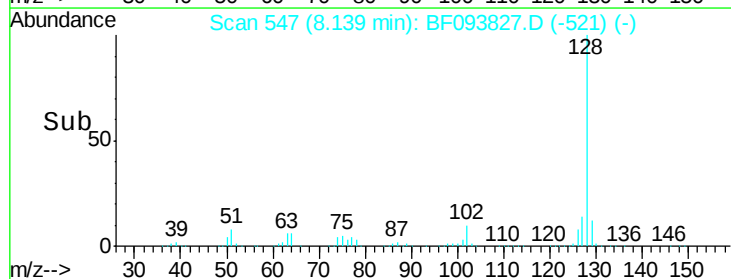
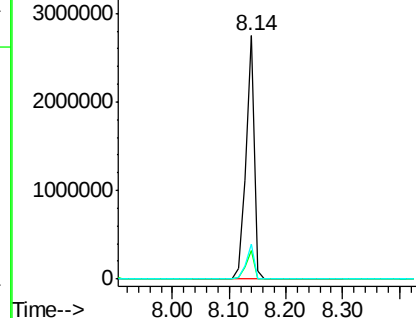


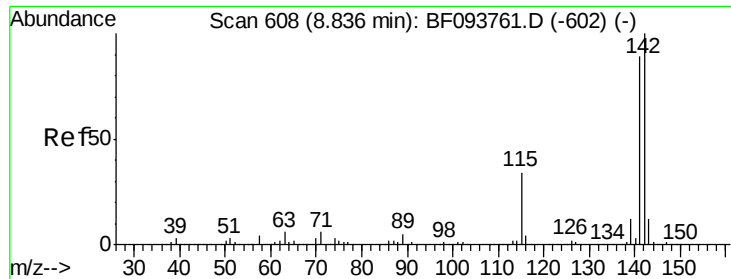
#31
Naphthalene
Concen: 73.17 ng
RT: 8.14 min Scan# 547
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion: 128 Resp: 2808477
Ion Ratio Lower Upper
128 100
129 12.0 9.0 13.6
127 14.3 10.8 16.2



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

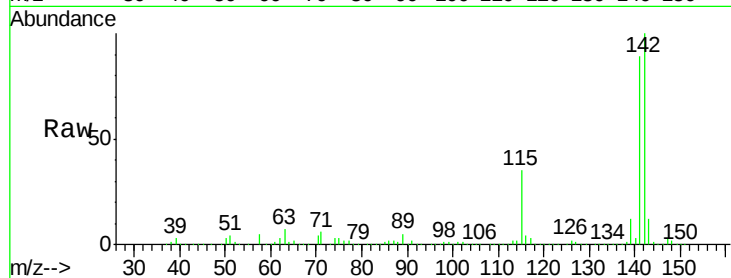




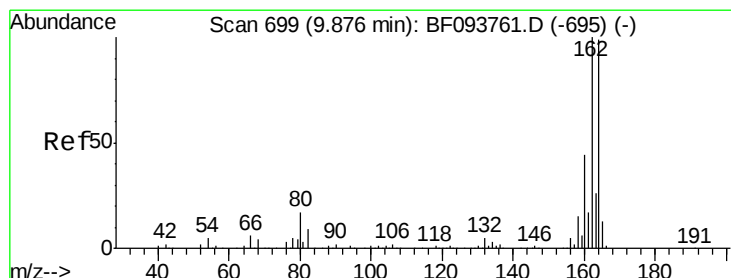
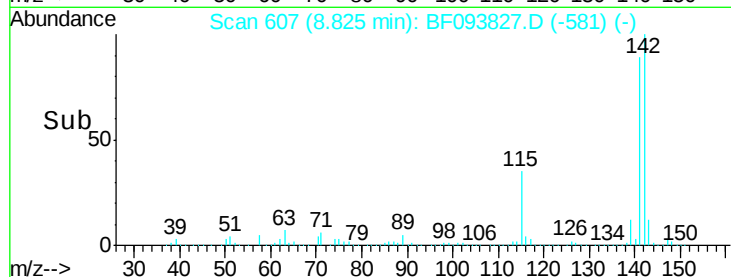
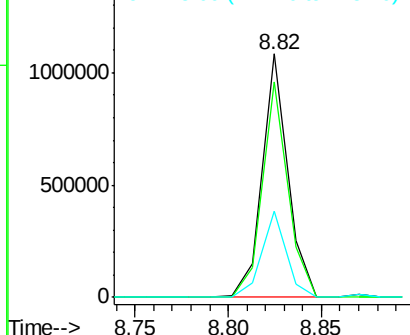
#37
2-Methylnaphthalene
Concen: 40.89 ng
RT: 8.82 min Scan# 607
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleID :
HP-PW-01DL

Tgt Ion:142 Resp: 1024571
Ion Ratio Lower Upper
142 100
141 88.7 71.3 106.9
115 35.3 27.1 40.7

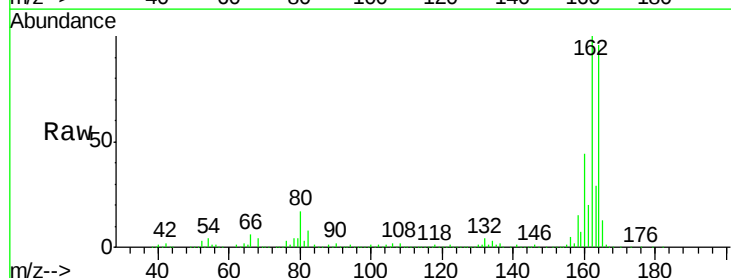


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

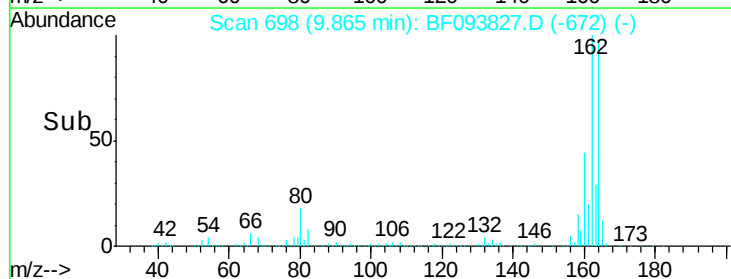
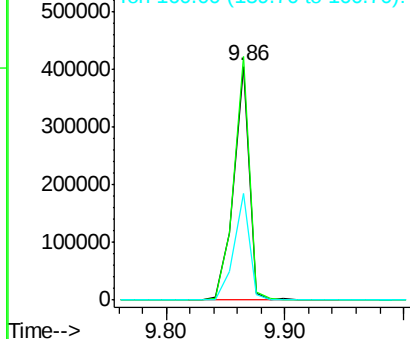


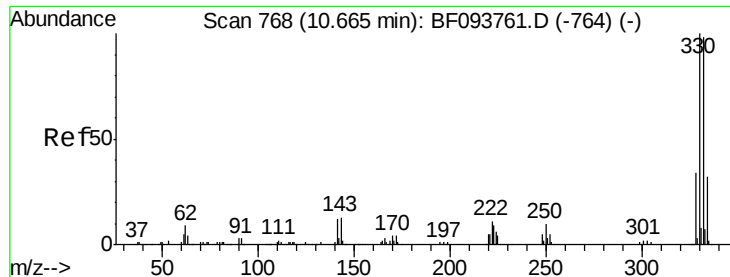
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 698
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion:164 Resp: 373442
Ion Ratio Lower Upper
164 100
162 104.2 82.6 123.8
160 45.4 36.2 54.2



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

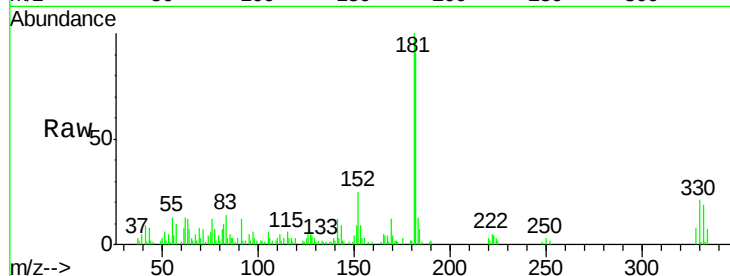




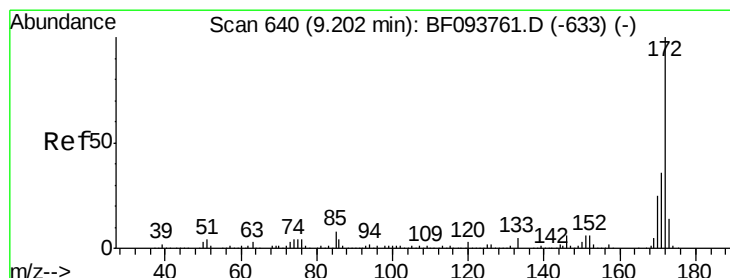
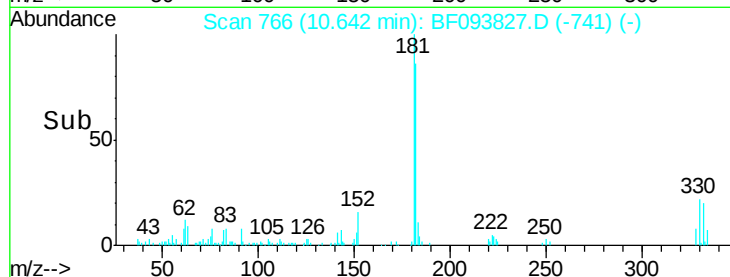
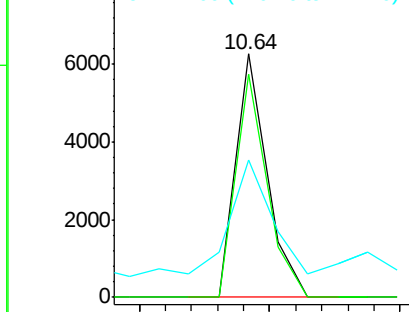
#41
 2,4,6-Tribromophenol
 Concen: 1.83 ng
 RT: 10.64 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: BF093827.D
 Acq: 22 Mar 2017 10:03

Instrument :
 BNA_F
 ClientSampleId :
 HP-PW-01DL

Tgt Ion:330 Resp: 5280
 Ion Ratio Lower Upper
 330 100
 332 91.5 76.6 115.0
 141 71.8 31.4 47.2#

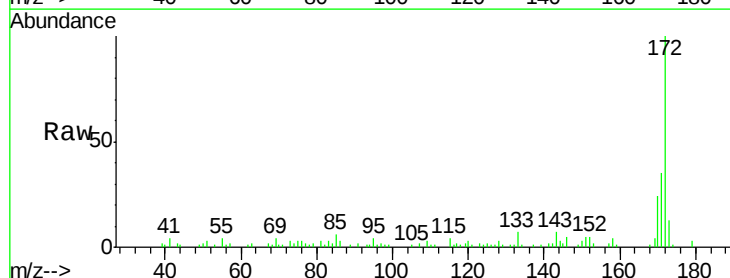


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

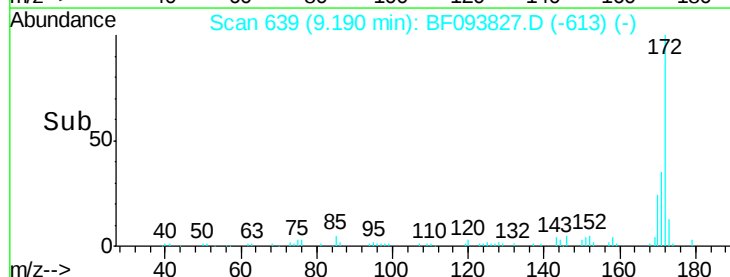
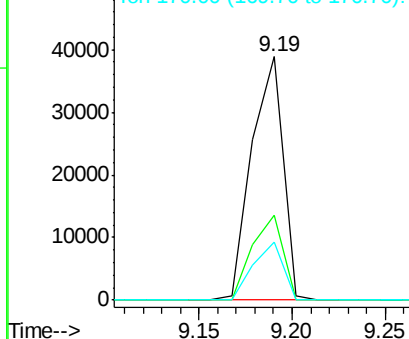


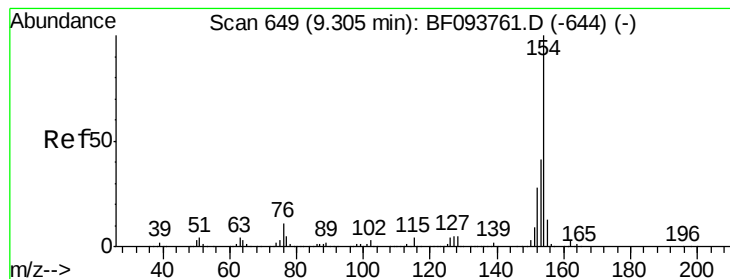
#44
 2-Fluorobiphenyl
 Concen: 2.04 ng
 RT: 9.19 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: BF093827.D
 Acq: 22 Mar 2017 10:03

Tgt Ion:172 Resp: 45292
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.6 44.4
 170 23.7 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: 5.17 ng

RT: 9.28 min Scan# 647

Delta R.T. -0.01 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

Instrument :

BNA_F

ClientSampleId :

HP-PW-01DL

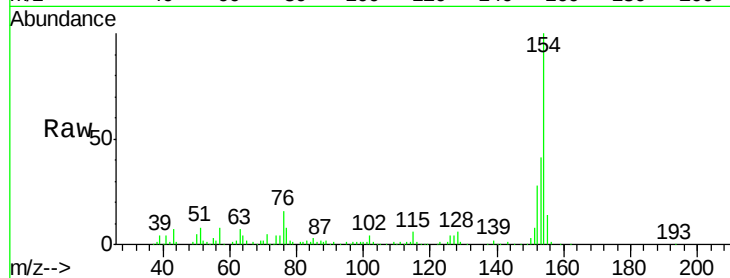
Tgt Ion:154 Resp: 157034

Ion Ratio Lower Upper

154 100

153 41.1 21.2 61.2

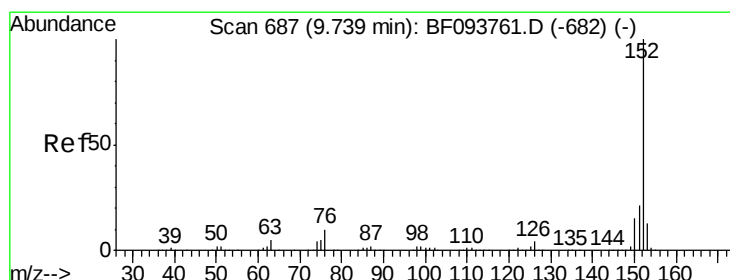
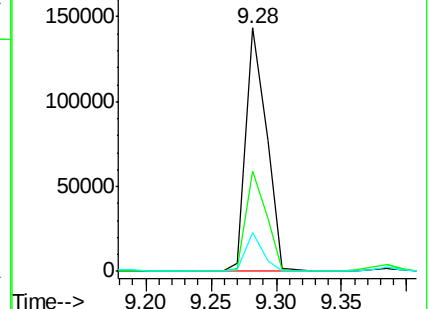
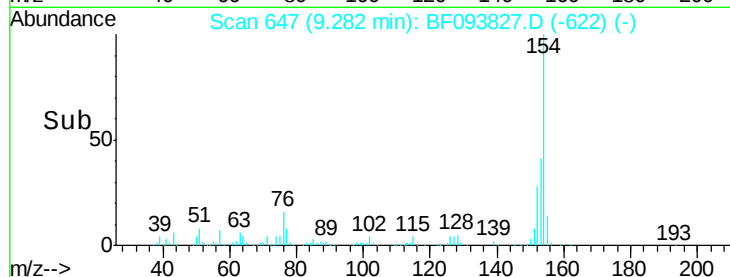
76 16.0 0.0 29.9



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



#48

Acenaphthylene

Concen: 2.88 ng

RT: 9.72 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

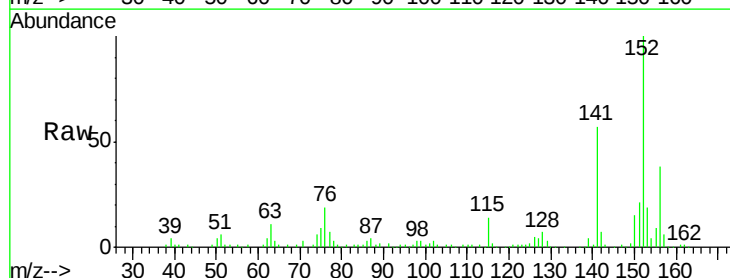
Tgt Ion:152 Resp: 108974

Ion Ratio Lower Upper

152 100

151 21.2 16.8 25.2

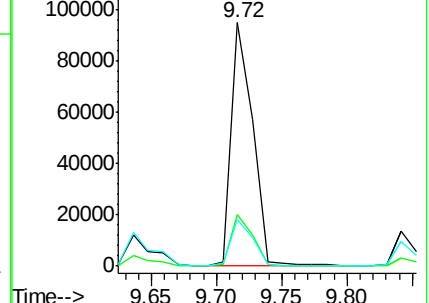
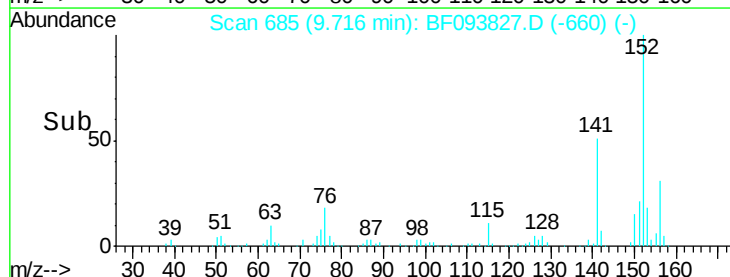
153 18.9 10.8 16.2#

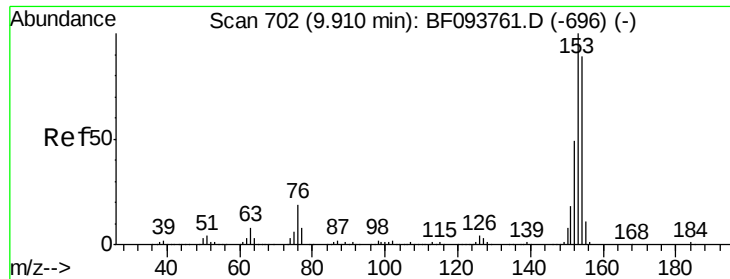


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 2.39 ng

RT: 9.89 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

Instrument :

BNA_F

ClientSampleId :

HP-PW-01DL

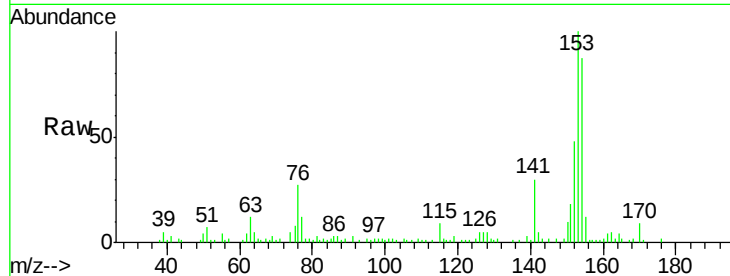
Tgt Ion:154 Resp: 54066

Ion Ratio Lower Upper

154 100

153 114.3 90.5 135.7

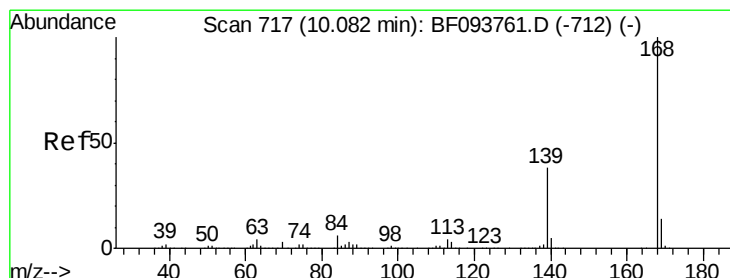
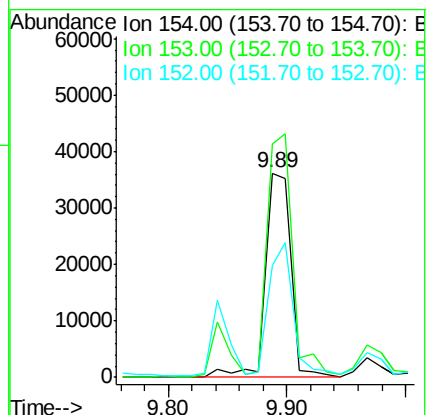
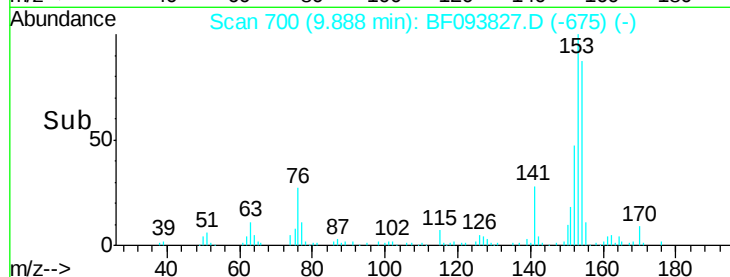
152 54.6 43.6 65.4



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: 2.81 ng

RT: 10.06 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

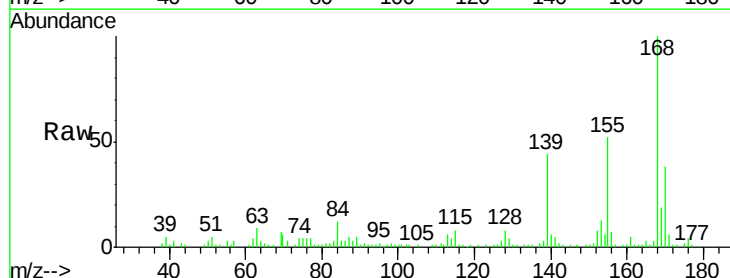
Tgt Ion:168 Resp: 85536

Ion Ratio Lower Upper

168 100

139 43.9 30.6 45.8

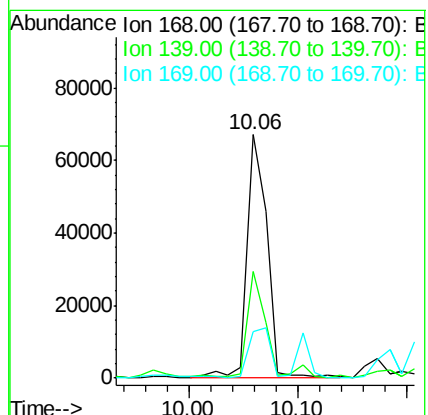
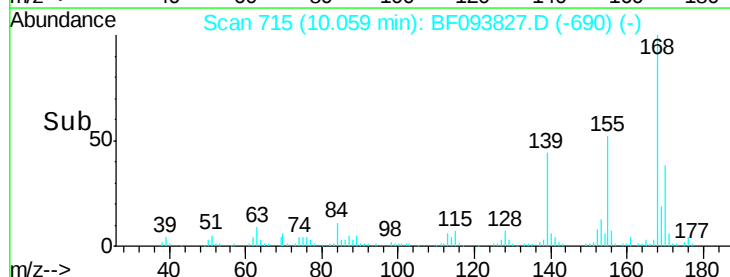
169 19.1 10.8 16.2#

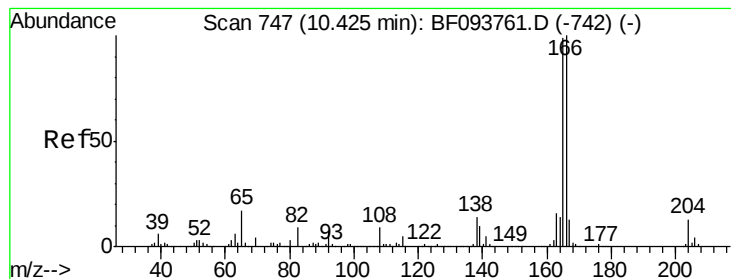


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 11.55 ng

RT: 10.40 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

Instrument :

BNA_F

ClientSampleId :

HP-PW-01DL

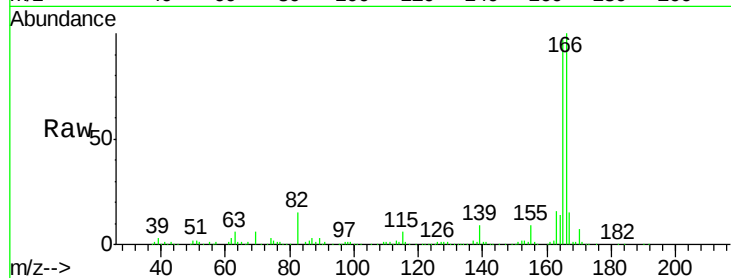
Tgt Ion:166 Resp: 269192

Ion Ratio Lower Upper

166 100

165 96.9 78.8 118.2

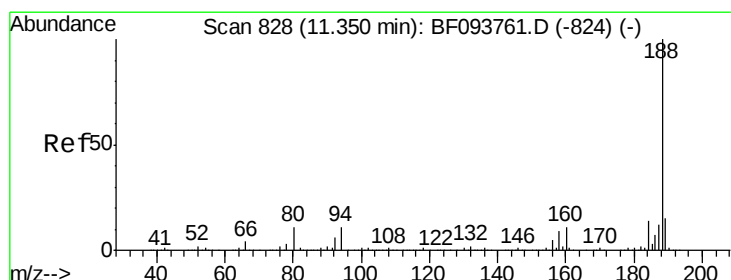
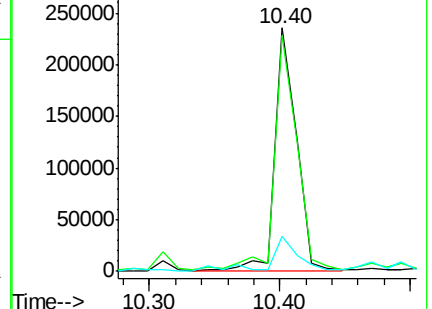
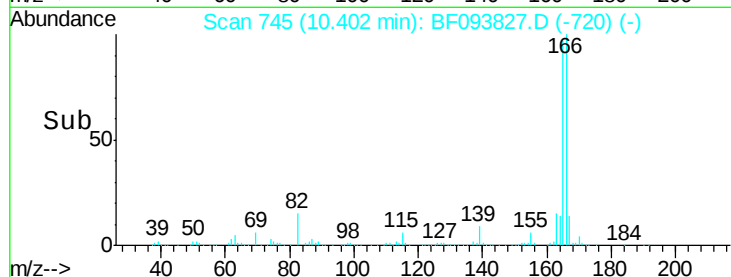
167 14.6 10.6 16.0



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: 11.34 min Scan# 827

Delta R.T. -0.00 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

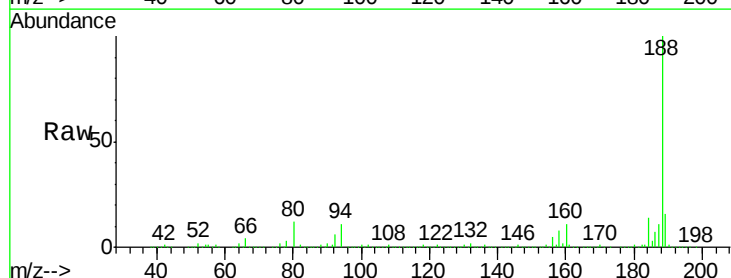
Tgt Ion:188 Resp: 580188

Ion Ratio Lower Upper

188 100

94 11.2 9.4 14.2

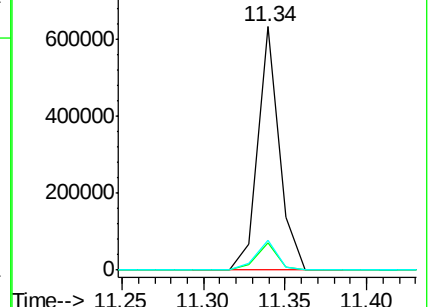
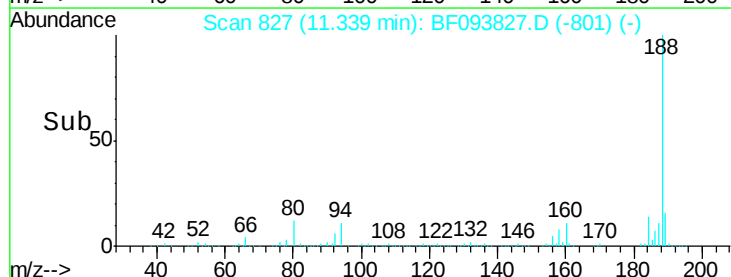
80 12.4 10.2 15.2

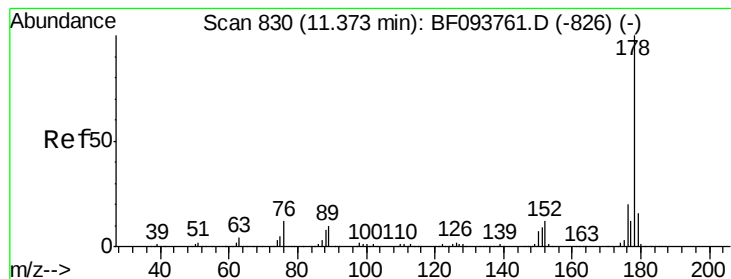


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 34.31 ng

RT: 11.36 min Scan# 829

Delta R.T. -0.00 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

Instrument :

BNA_F

ClientSampleId :

HP-PW-01DL

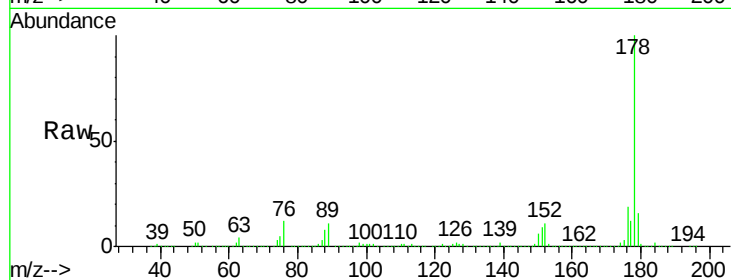
Tgt Ion:178 Resp: 1060240

Ion Ratio Lower Upper

178 100

176 19.3 16.2 24.4

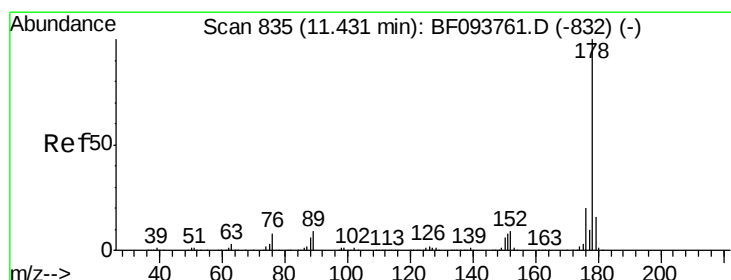
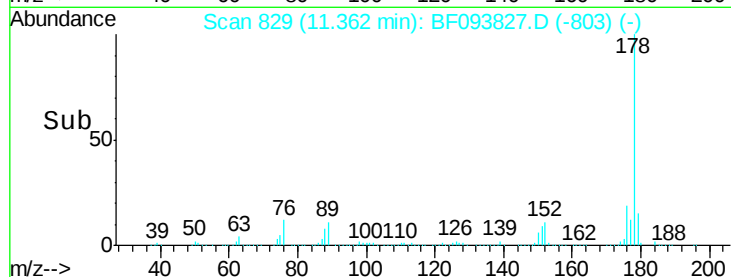
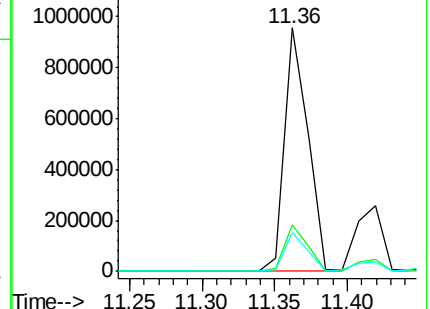
179 15.7 12.6 19.0



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: 9.69 ng

RT: 11.42 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

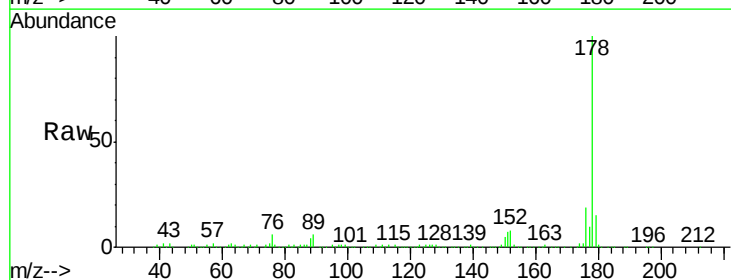
Tgt Ion:178 Resp: 308297

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

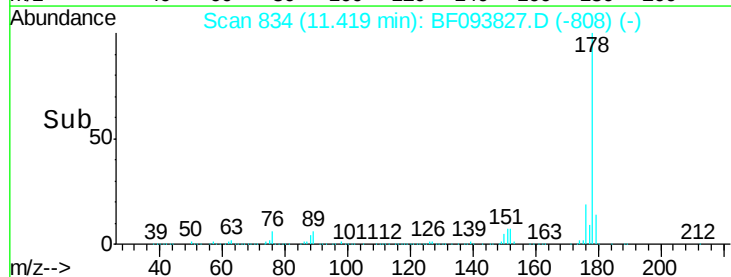
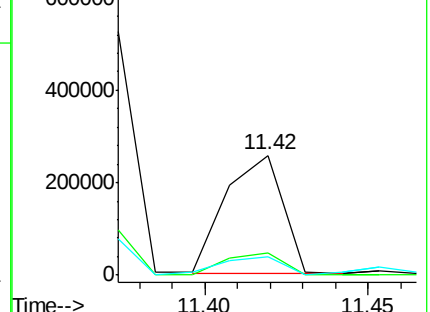
179 14.8 12.7 19.1

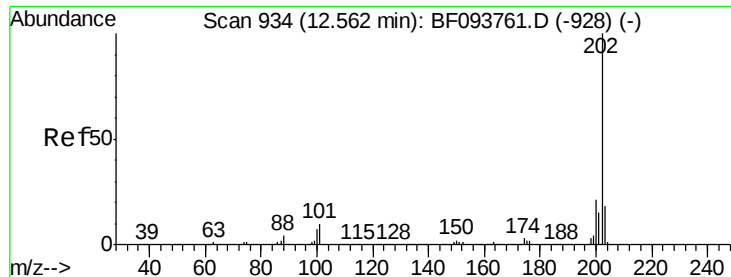


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 17.58 ng

RT: 12.55 min Scan# 933

Delta R.T. -0.00 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

Instrument :

BNA_F

ClientSampleId :

HP-PW-01DL

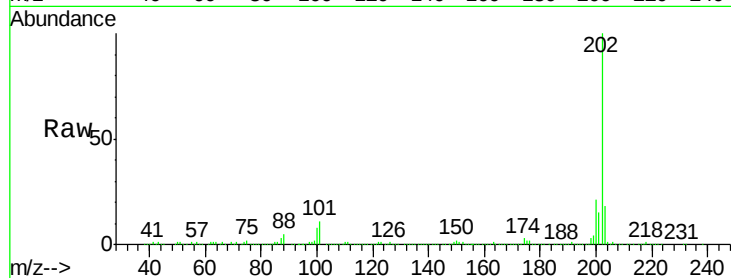
Tgt Ion:202 Resp: 558293

Ion Ratio Lower Upper

202 100

101 11.3 0.0 33.2

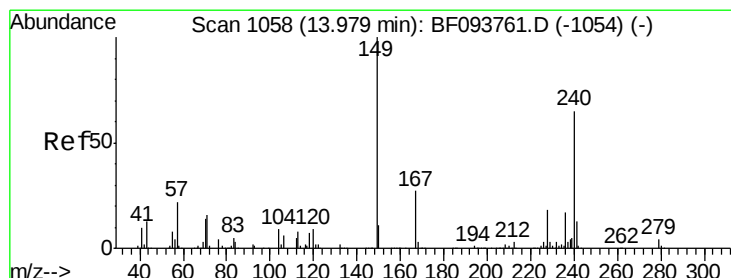
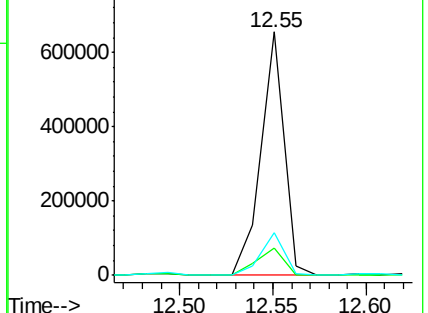
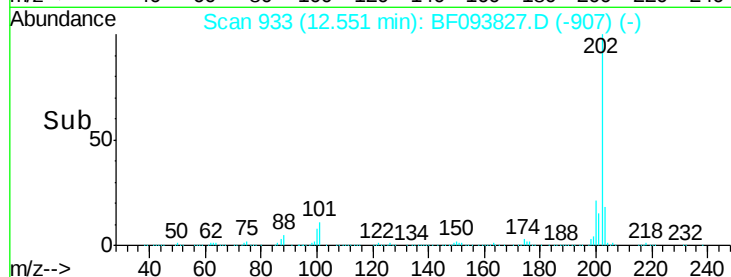
203 17.6 0.0 38.1



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: 13.97 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

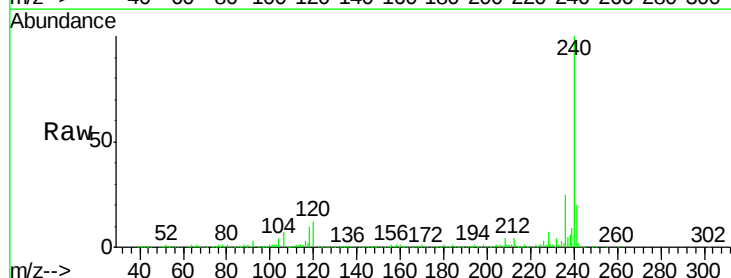
Tgt Ion:240 Resp: 387957

Ion Ratio Lower Upper

240 100

120 11.5 5.8 8.8#

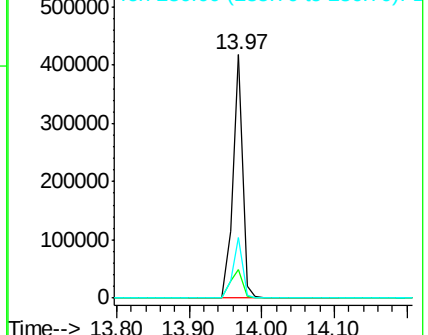
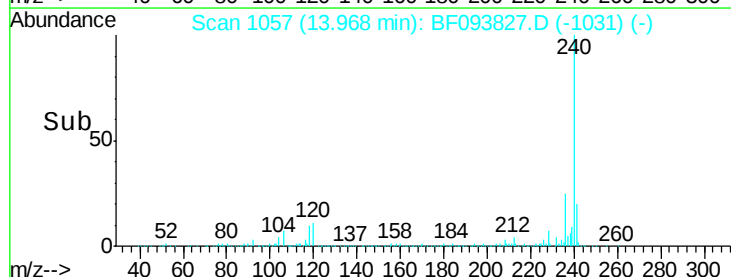
236 24.9 20.5 30.7

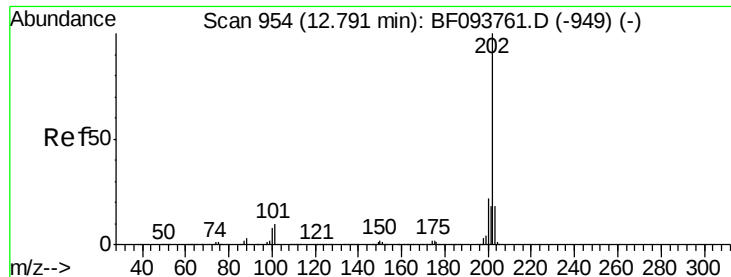


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 18.78 ng

RT: 12.78 min Scan# 953

Delta R.T. -0.00 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

Instrument :

BNA_F

ClientSampleId :

HP-PW-01DL

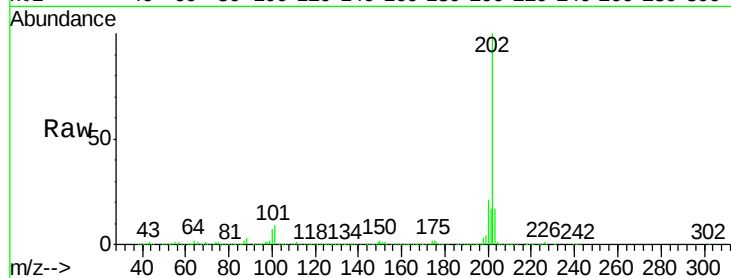
Tgt Ion:202 Resp: 606436

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

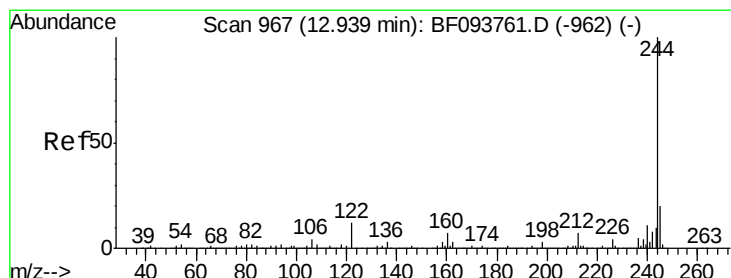
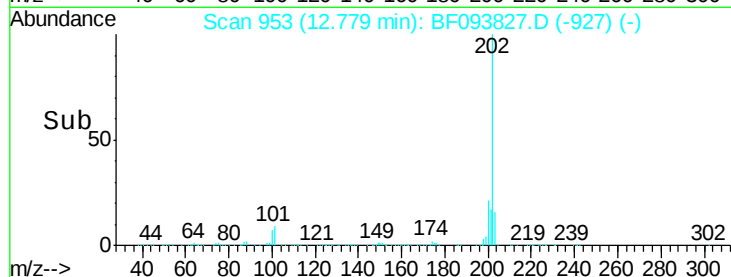
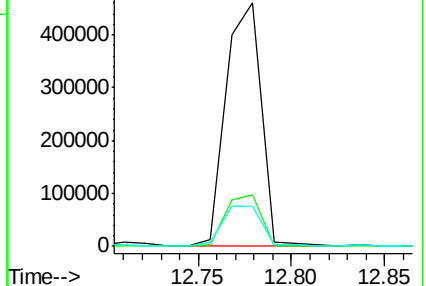
203 16.5 14.4 21.6



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: 1.53 ng

RT: 12.92 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

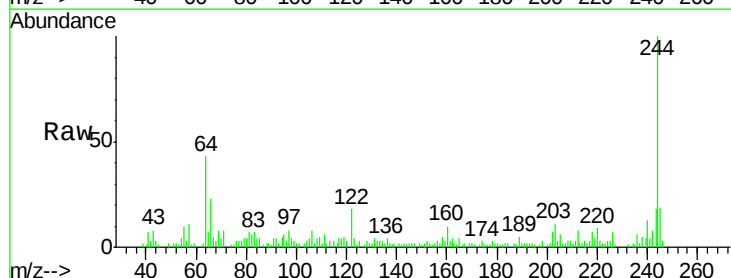
Tgt Ion:244 Resp: 29079

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

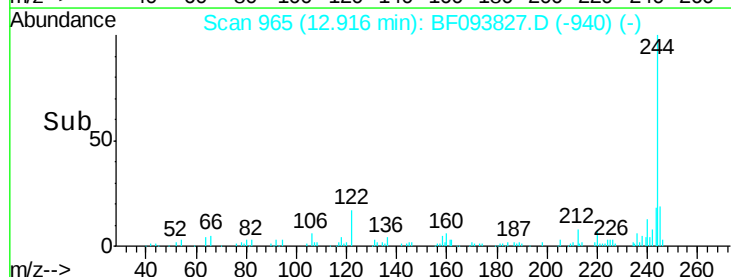
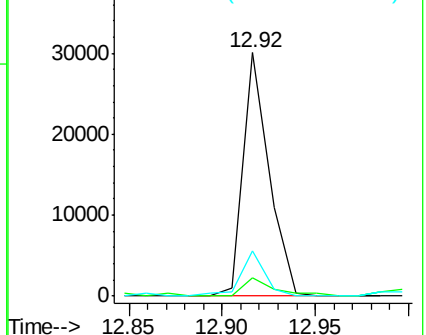
122 18.3 10.3 15.5#

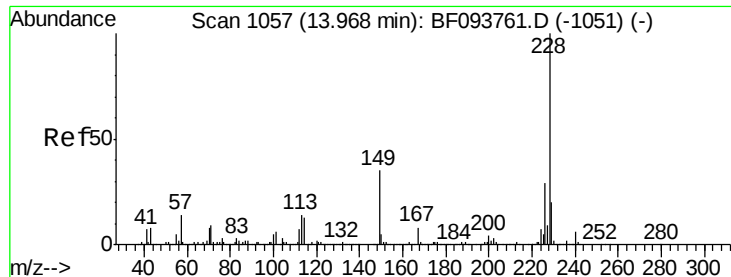


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.93 ng m

RT: 13.96 min Scan# 1056

Delta R.T. -0.00 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

Instrument :

BNA_F

ClientSampleId :

HP-PW-01DL

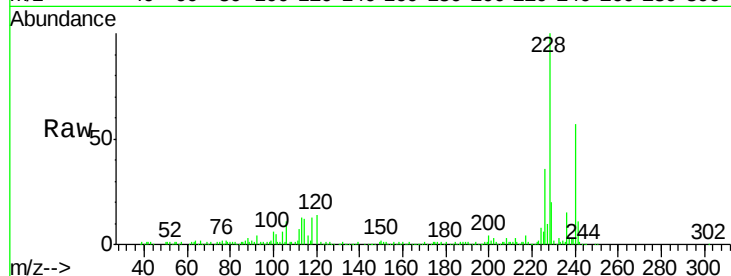
Tgt Ion:228 Resp: 192791

Ion Ratio Lower Upper

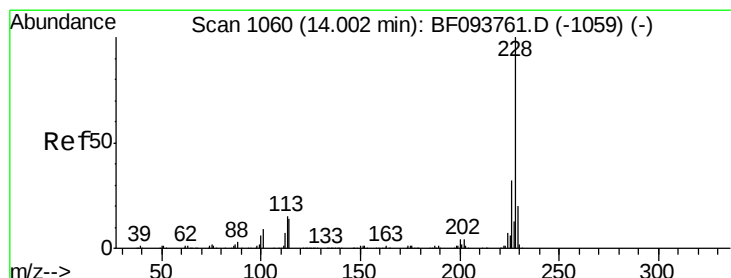
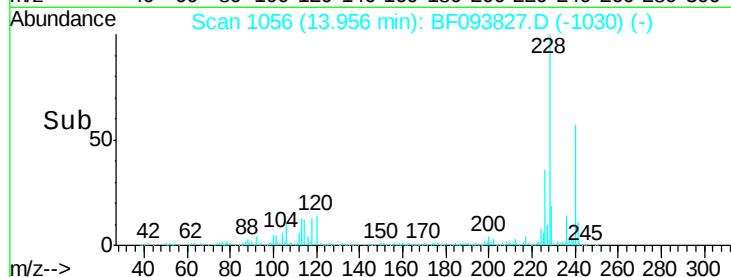
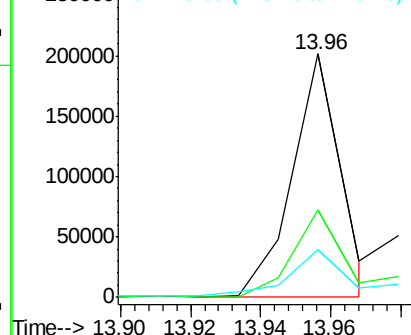
228 100

226 35.7 22.6 33.8#

229 19.8 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: 7.11 ng m

RT: 13.99 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

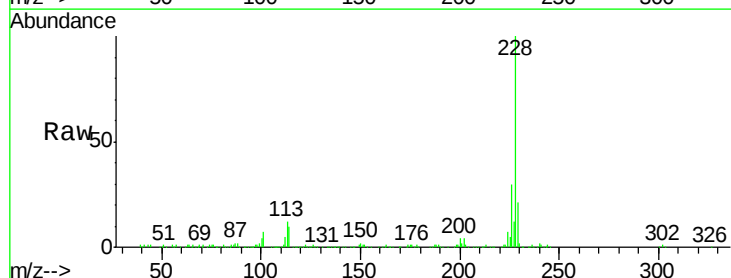
Tgt Ion:228 Resp: 172680

Ion Ratio Lower Upper

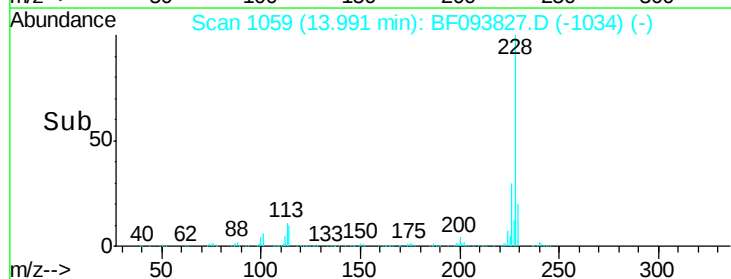
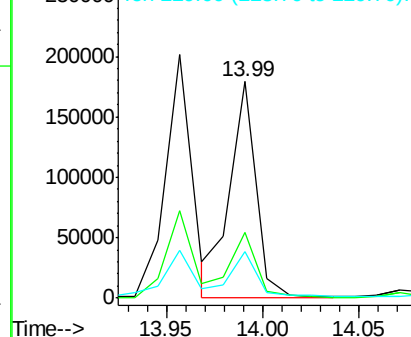
228 100

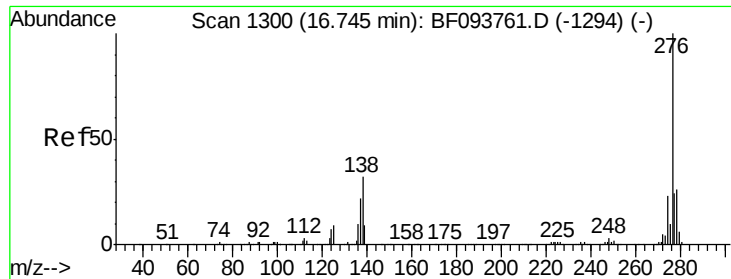
226 30.2 24.9 37.3

229 21.5 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

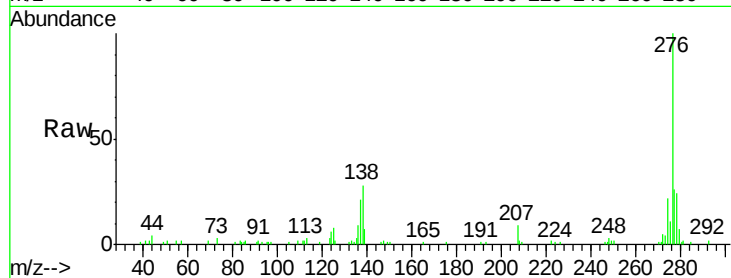




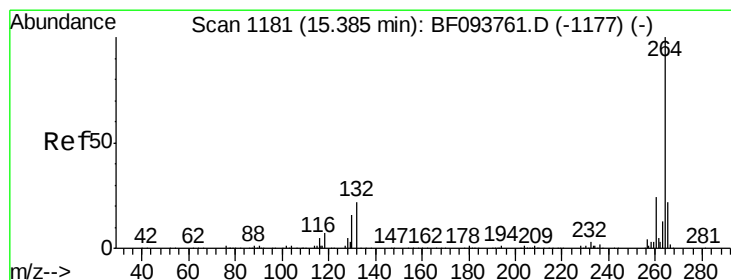
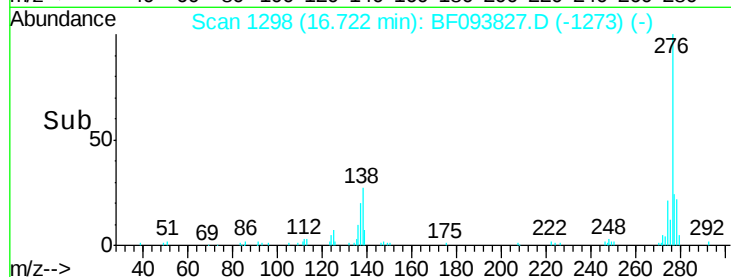
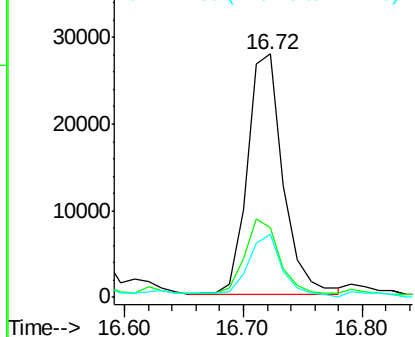
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.94 ng
 RT: 16.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF093827.D
 Acq: 22 Mar 2017 10:03

Instrument :
 BNA_F
 ClientSampleId :
 HP-PW-01DL

Tgt Ion: 276 Resp: 58471
 Ion Ratio Lower Upper
 276 100
 138 32.7 27.8 41.6
 277 26.2 20.2 30.4

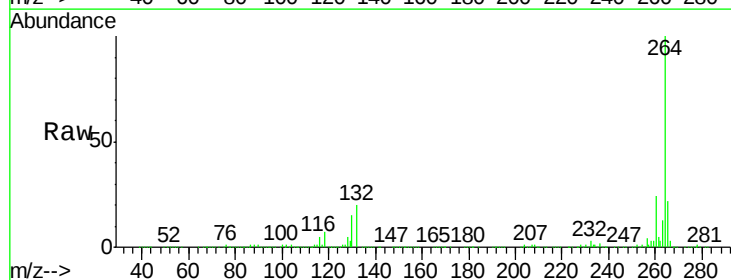


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

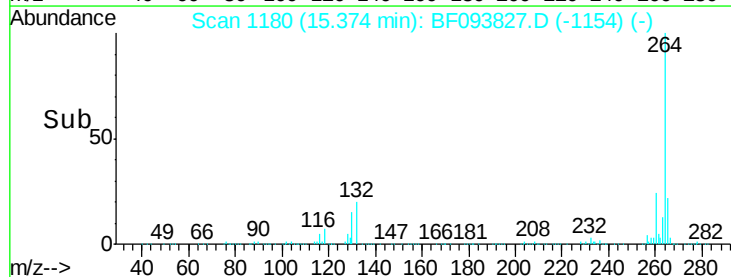
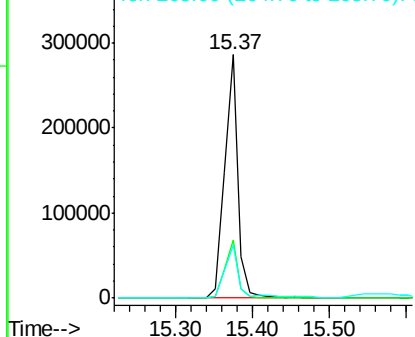


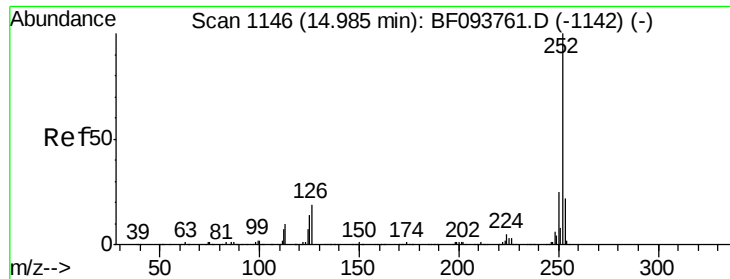
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BF093827.D
 Acq: 22 Mar 2017 10:03

Tgt Ion: 264 Resp: 351893
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 22.0 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: 6.82 ng m

RT: 14.97 min Scan# 1145

Delta R.T. -0.00 min

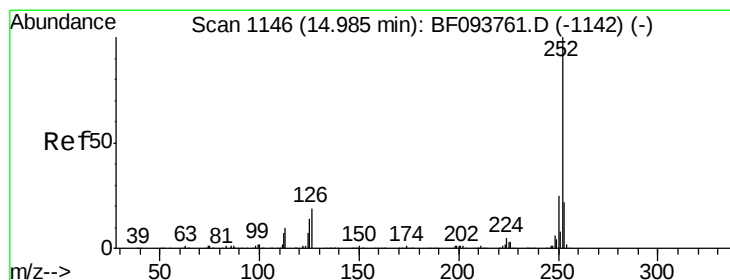
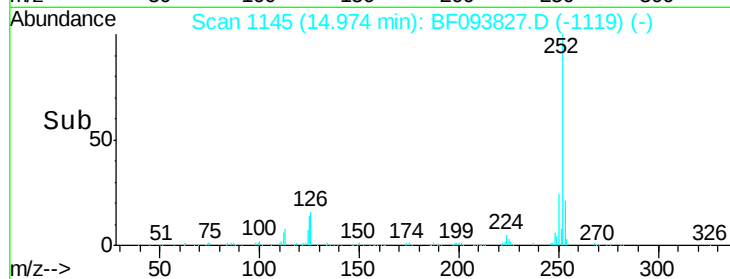
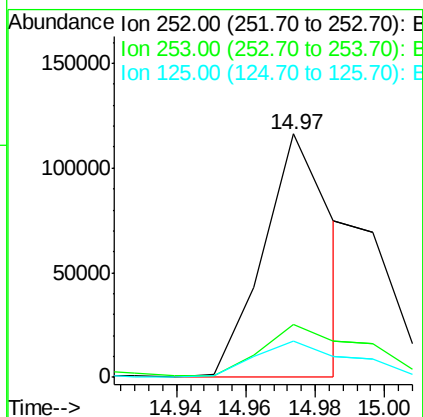
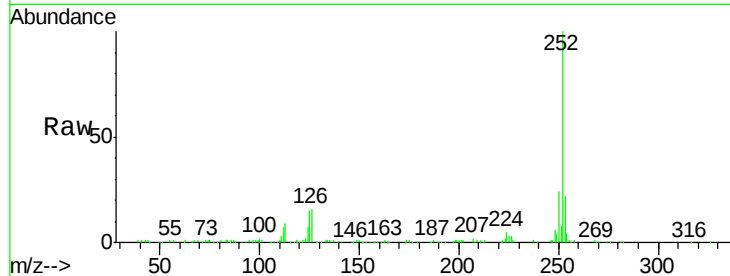
Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion:252 Resp: 161871

Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	14.6	9.8	14.8



#88

Benzo(k)fluoranthene

Concen: 3.52 ng m

RT: 14.99 min Scan# 1146

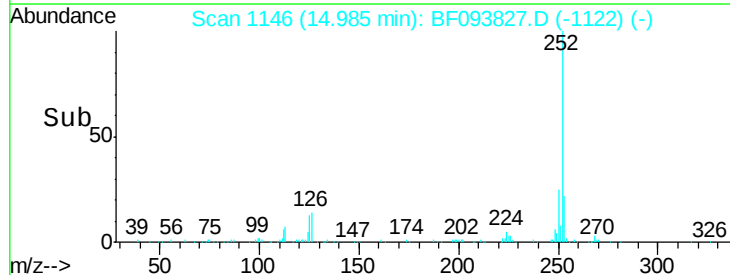
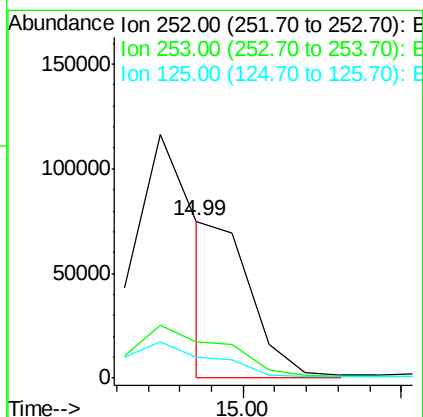
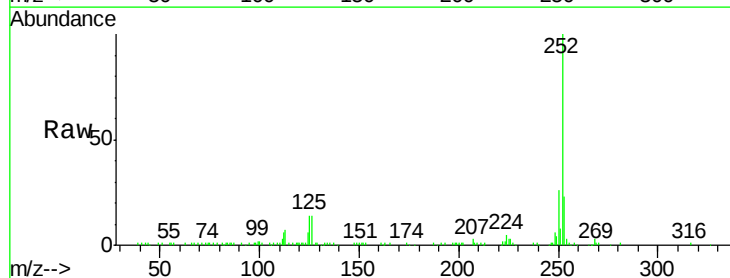
Delta R.T. -0.02 min

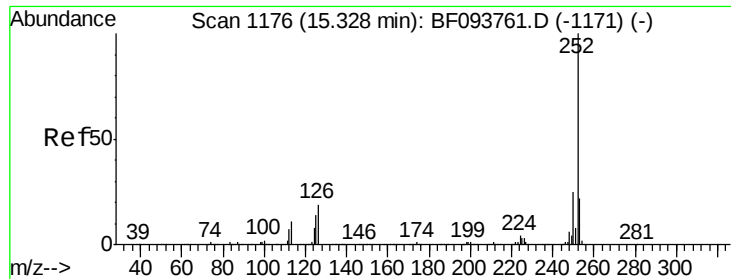
Lab File: BF093827.D

Acq: 22 Mar 2017 10:03

Tgt Ion:252 Resp: 61641

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	13.5	13.1	19.7

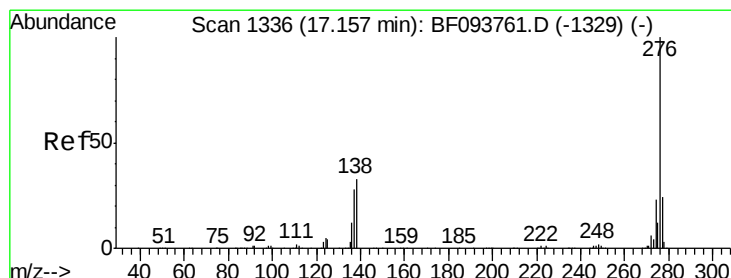
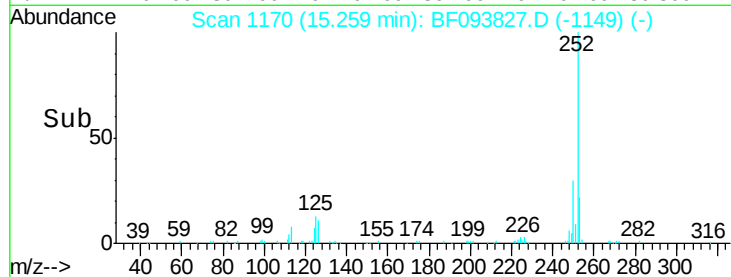
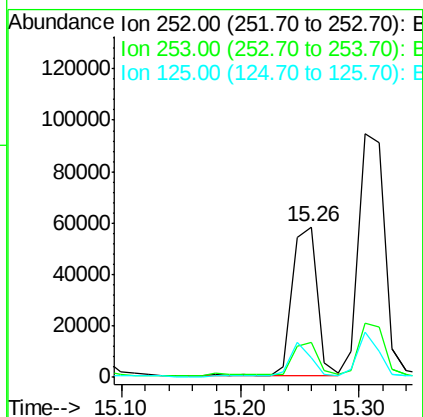
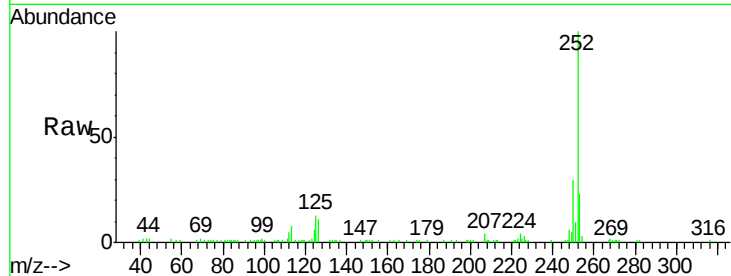




#89
Benzo(a)pyrene
Concen: 4.37 ng
RT: 15.26 min Scan# 1170
Delta R.T. -0.06 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion: 252 Resp: 84076
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 13.3 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 3.62 ng
RT: 17.12 min Scan# 1333
Delta R.T. -0.02 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion: 276 Resp: 57339
Ion Ratio Lower Upper
276 100
277 25.1 18.6 28.0
138 30.8 25.4 38.0

