

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011017\
 Data File : BF092182.D
 Acq On : 10 Jan 2017 15:21
 Operator : UM/SJ
 Sample : I1057-01RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP3RE

Quant Time: Jan 11 11:54:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	149581	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	583954m	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	266798	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	403197	20.00	ng	0.00
75) Chrysene-d12	13.80	240	238807	20.00	ng	0.01
86) Perylene-d12	15.18	264	164257	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	1088201	121.47	ng	0.00
7) Phenol-d6	6.31	99	1353916	123.79	ng	0.00
23) Nitrobenzene-d5	7.20	82	687997	65.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	152287	68.97	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	1289319	101.52	ng	0.00
78) Terphenyl-d14	12.75	244	843433	85.66	ng	0.00

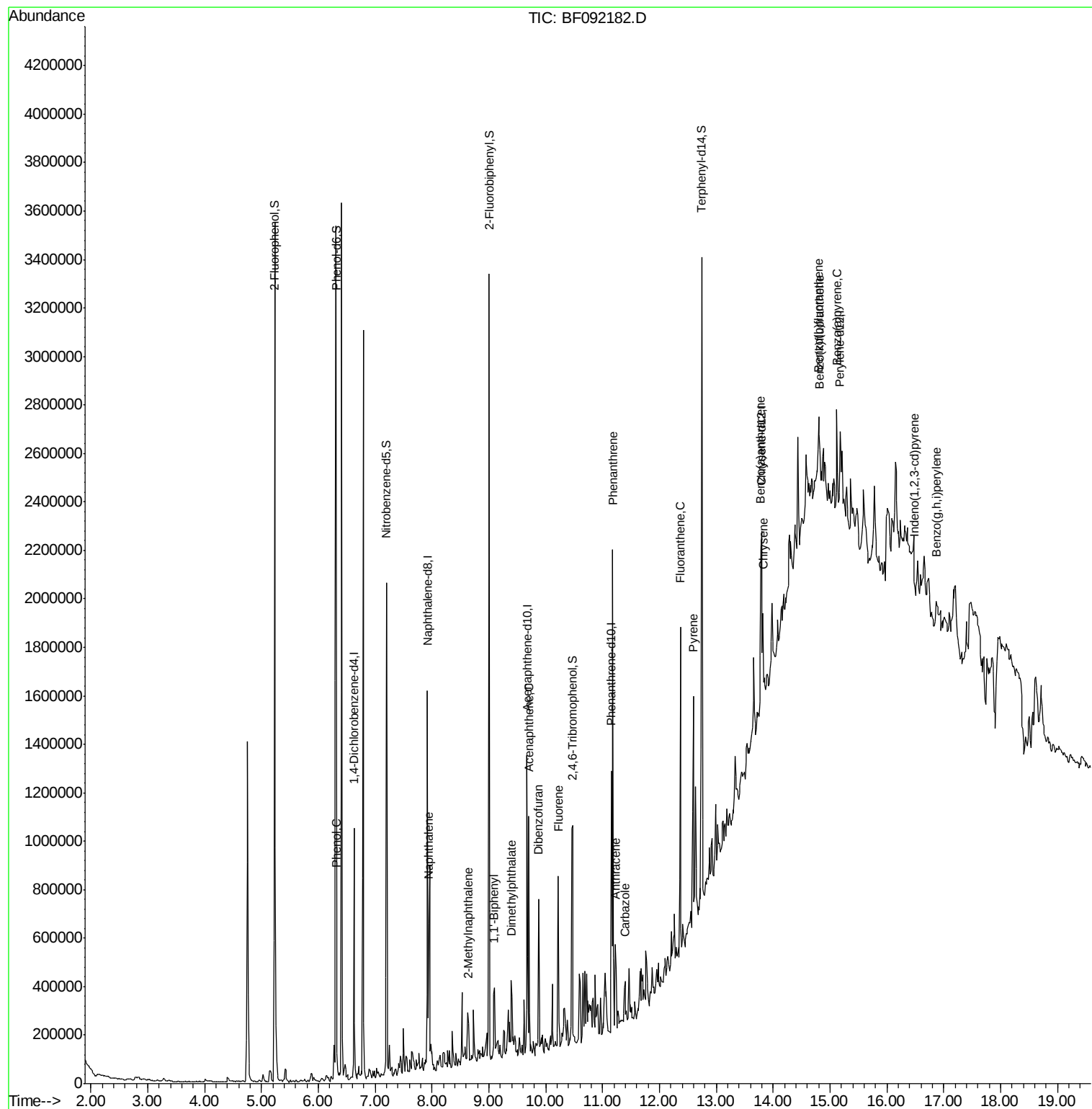
Target Compounds						Qvalue
10) Phenol	6.32	94	135969	10.91	ng	# 67
31) Naphthalene	7.94	128	200859	7.52	ng	98
37) 2-Methylnaphthalene	8.64	142	75859	3.19	ng	96
45) 1,1'-Biphenyl	9.10	154	44500	2.44	ng	94
49) Dimethylphthalate	9.40	163	115170	6.75	ng	98
51) Acenaphthene	9.70	154	203931	13.52	ng	99
54) Dibenzofuran	9.88	168	210424	10.33	ng	99
57) Fluorene	10.22	166	179045	12.08	ng	99
70) Phenanthrene	11.18	178	719808	32.92	ng	98
71) Anthracene	11.23	178	174685	6.56	ng	97
72) Carbazole	11.40	167	78077	3.16	ng	97
74) Fluoranthene	12.37	202	535871	26.35	ng	96
77) Pvrene	12.60	202	446999	25.51	ng	99
80) Benzo(a)anthracene	13.79	228	152635m	11.32	ng	
82) Chrysene	13.82	228	167052m	12.35	ng	
85) Indeno(1,2,3-cd)pyrene	16.48	276	57813	4.94	ng	# 92
87) Benzo(b)fluoranthene	14.80	252	144851m	14.16	ng	
88) Benzo(k)fluoranthene	14.81	252	47377m	5.43	ng	
89) Benzo(a)pvrene	15.12	252	92365	10.18	ng	# 65
91) Benzo(a,h,i)perylene	16.87	276	54175	6.98	ng	# 72

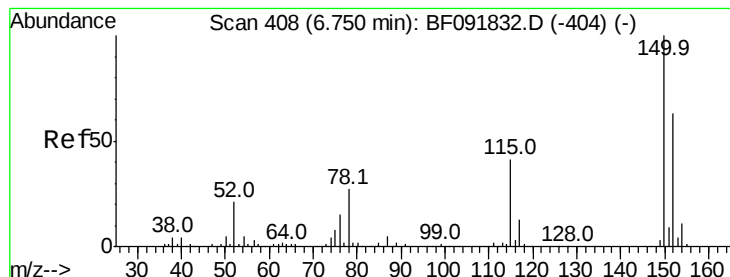
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 06 15:43:51 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

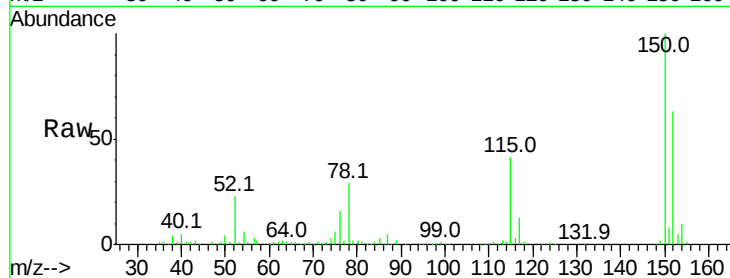
Tot Ion:152 Resp: 149581

Ion Ratio Lower Upper

152 100

150 158.6 124.9 187.3

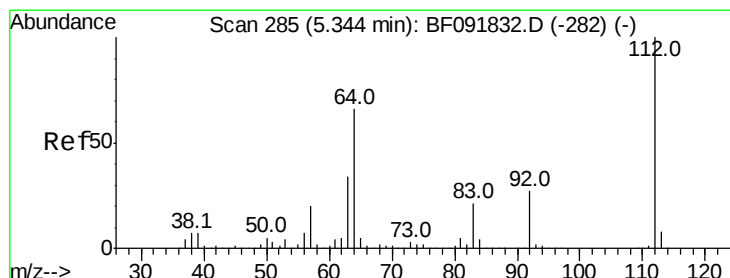
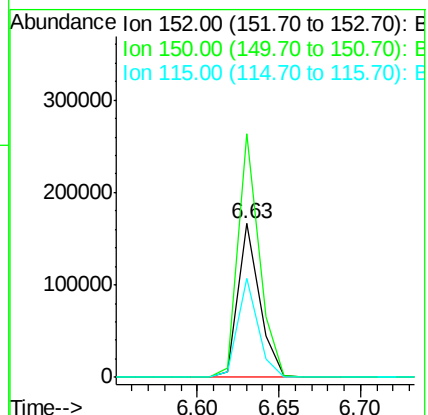
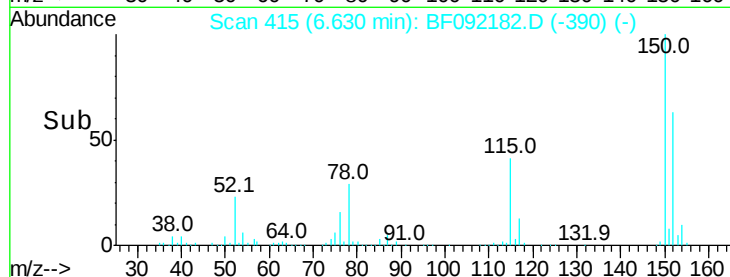
115 64.9 46.0 69.0



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: 121.47 ng

RT: 5.24 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

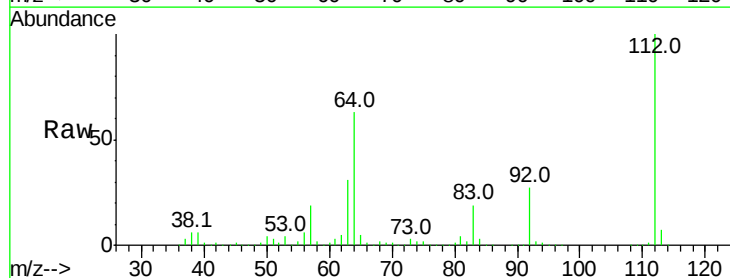
Tgt Ion:112 Resp: 1088201

Ion Ratio Lower Upper

112 100

64 62.8 46.1 69.1

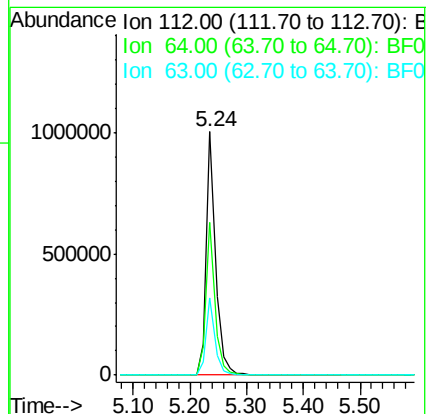
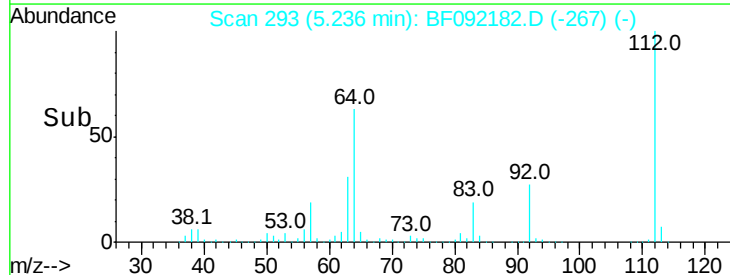
63 31.5 23.8 35.6

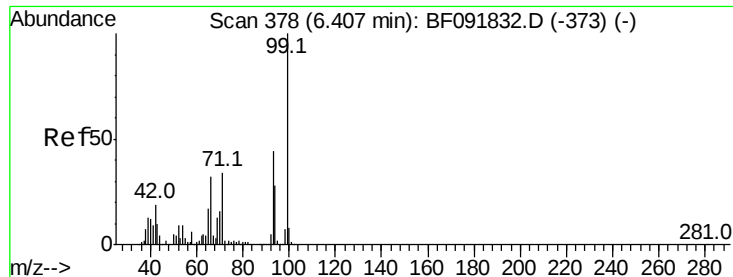


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.79 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

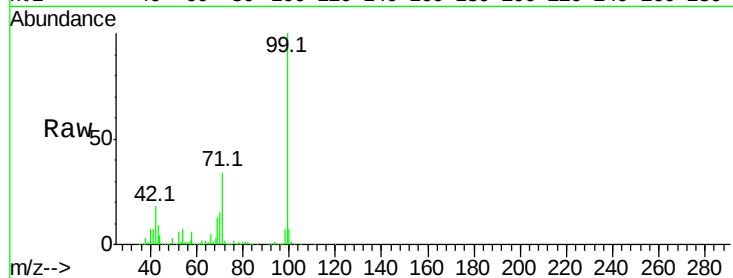
BNA_F

ClientSampleId :

P3-SP3RE

Tot Ion: 99 Resp: 1353916

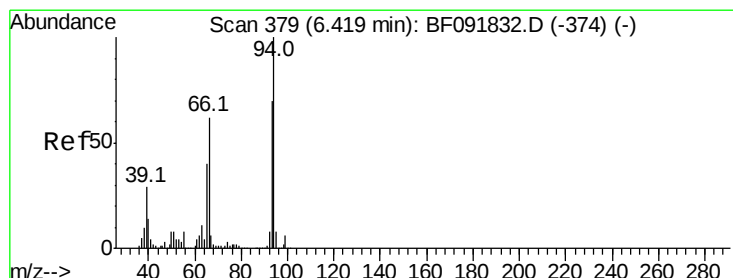
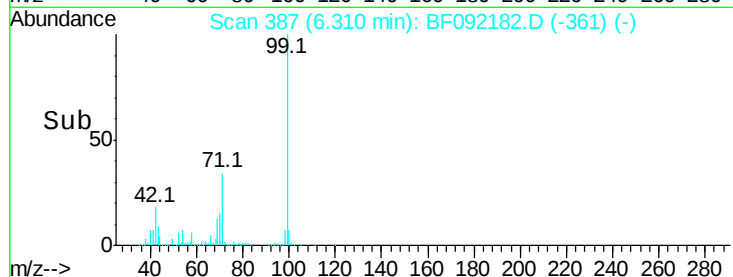
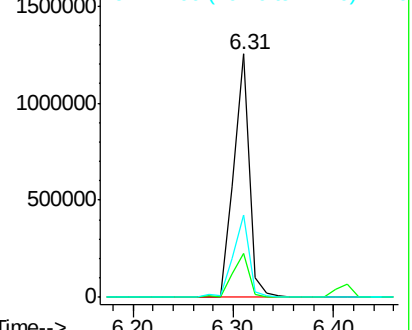
Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.6	23.4
71	34.1	27.5	41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 10.91 ng

RT: 6.32 min Scan# 388

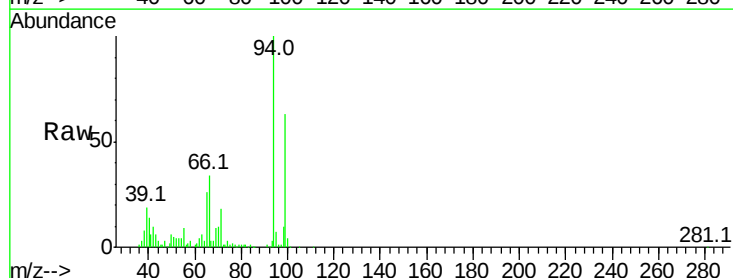
Delta R.T. 0.00 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Tgt Ion: 94 Resp: 135969

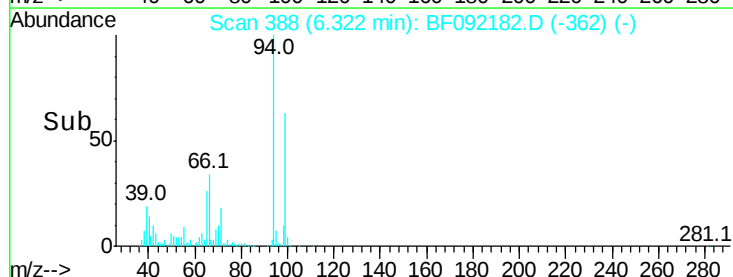
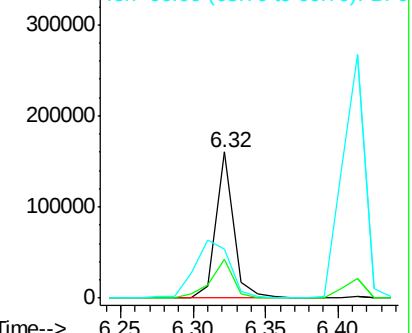
Ion	Ratio	Lower	Upper
94	100		
65	26.5	21.4	61.4
66	34.1	44.0	84.0#

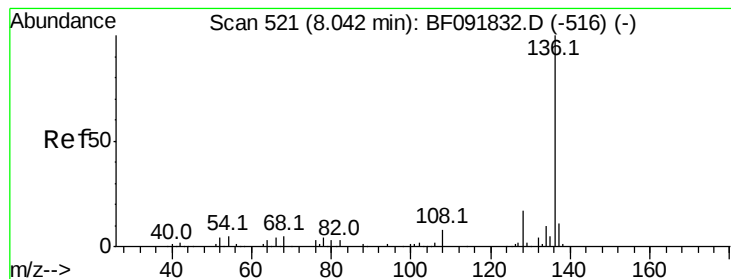


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng/mL

RT: 7.92 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

Tot Ion:136 Resp: 583954

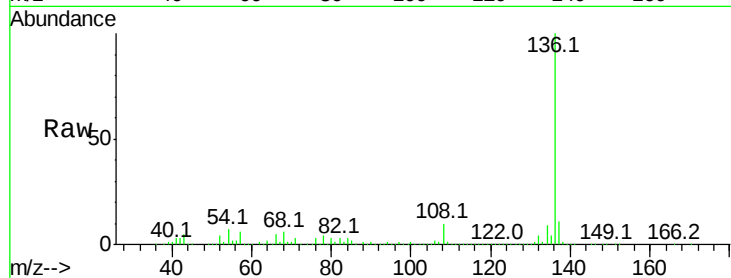
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.4 4.5 6.7#

68 5.9 3.6 5.4#

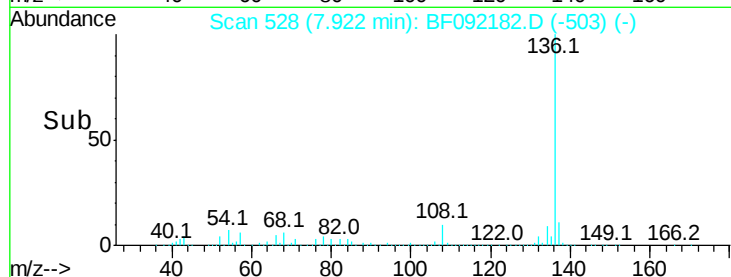


Abundance Ion 136.00 (135.70 to 136.70): E

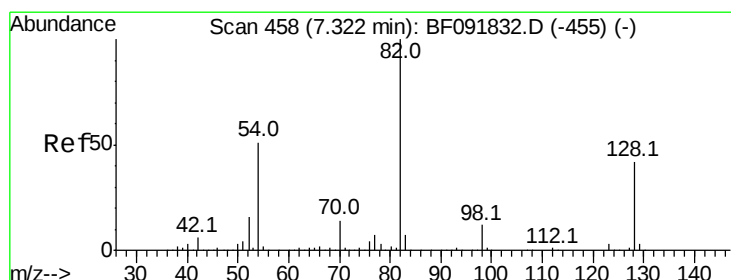
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 65.51 ng/mL

RT: 7.20 min Scan# 465

Delta R.T. -0.01 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

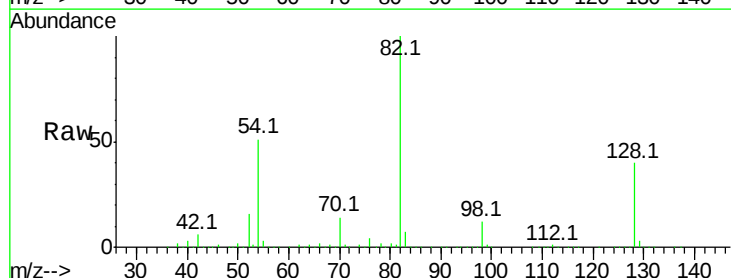
Tgt Ion: 82 Resp: 687997

Ion Ratio Lower Upper

82 100

128 39.9 34.6 52.0

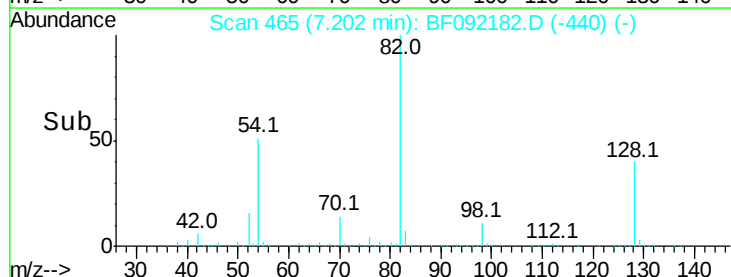
54 51.3 39.5 59.3



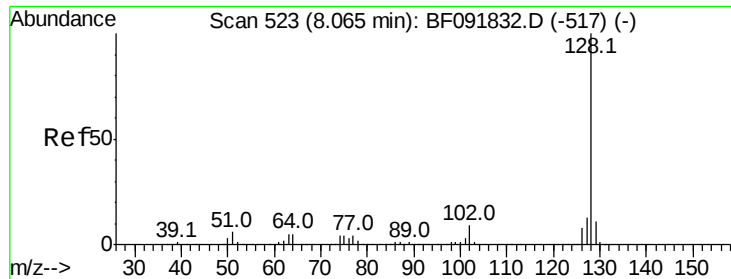
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



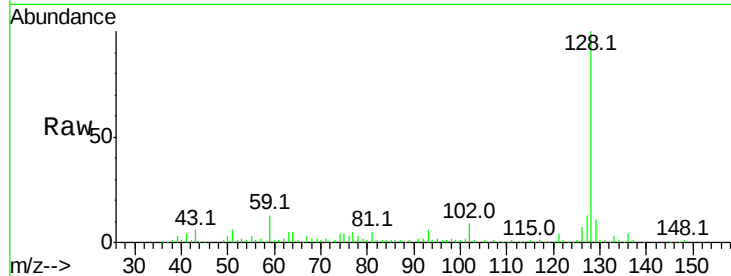
Time-->



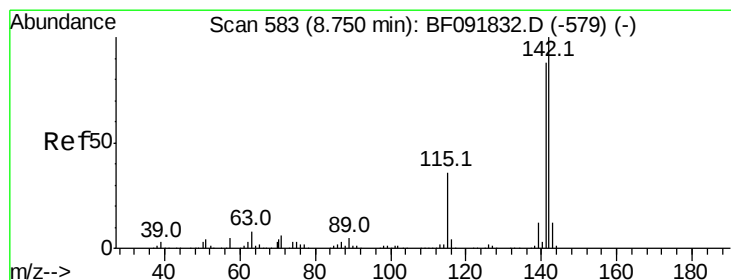
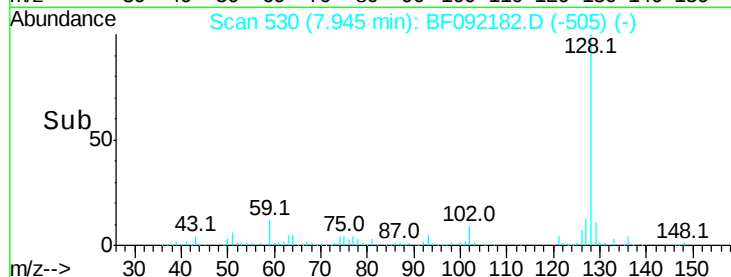
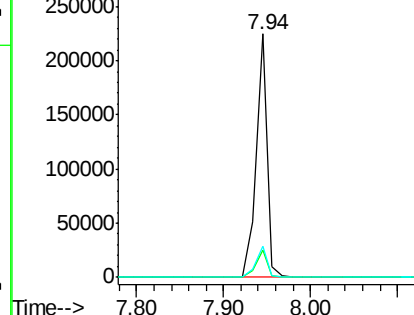
#31
Naphthalene
Concen: 7.52 ng
RT: 7.94 min Scan# 530
Delta R.T. -0.01 min
Lab File: BF092182.D
Acq: 10 Jan 2017 15:21

Instrument :
BNA_F
ClientSampleId :
P3-SP3RE

Tot Ion:128 Resp: 200859
Ion Ratio Lower Upper
128 100
129 11.0 9.5 14.3
127 13.0 10.8 16.2

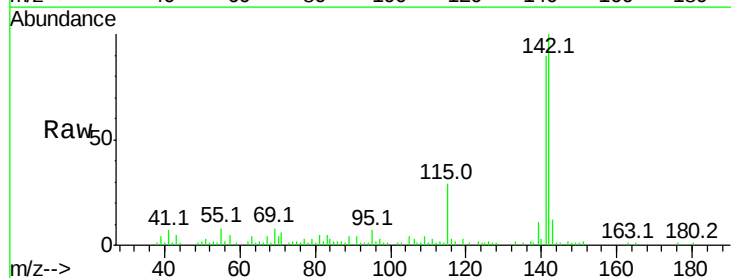


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

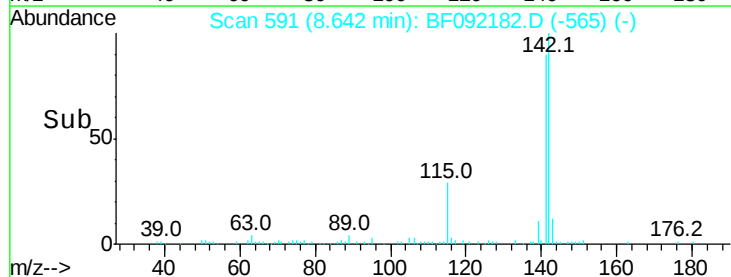
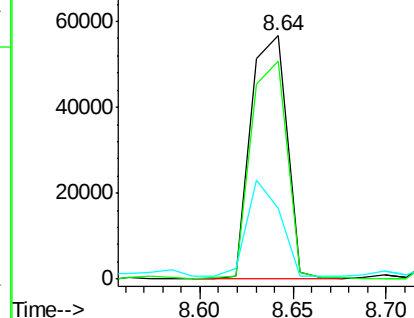


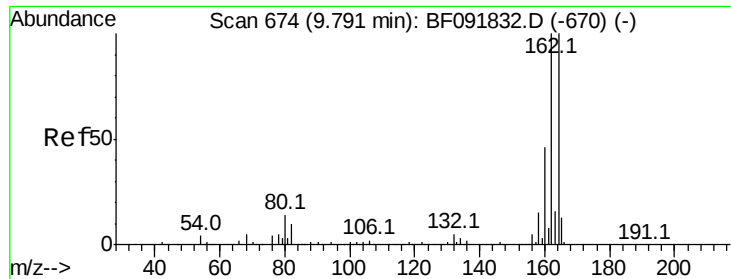
#37
2-Methylnaphthalene
Concen: 3.19 ng
RT: 8.64 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF092182.D
Acq: 10 Jan 2017 15:21

Tgt Ion:142 Resp: 75859
Ion Ratio Lower Upper
142 100
141 89.8 71.0 106.6
115 29.1 28.3 42.5



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

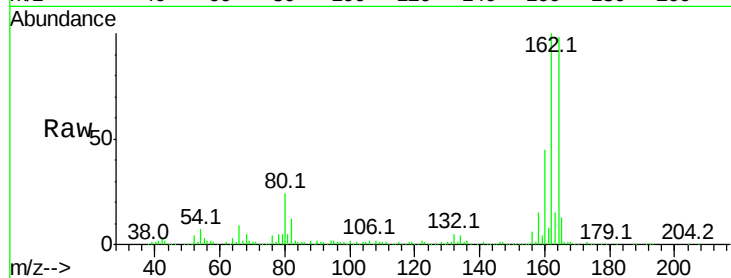




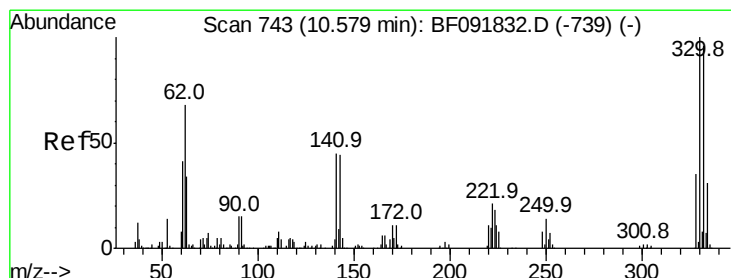
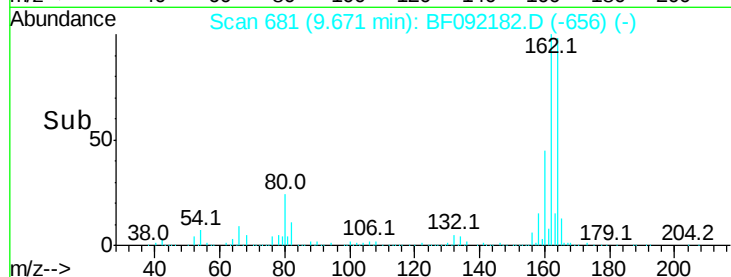
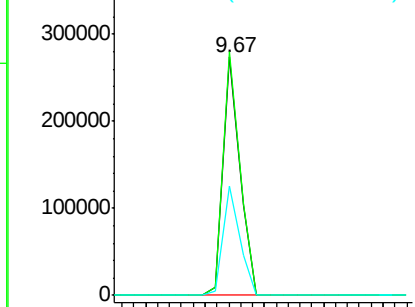
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.67 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF092182.D
 Acq: 10 Jan 2017 15:21

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP3RE

Tot Ion:164 Resp: 266798
 Ion Ratio Lower Upper
 164 100
 162 102.2 80.2 120.2
 160 45.7 36.9 55.3

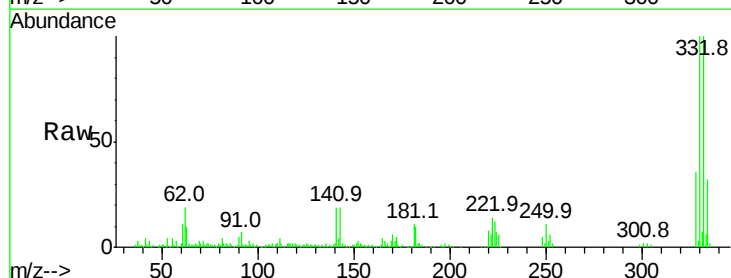


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

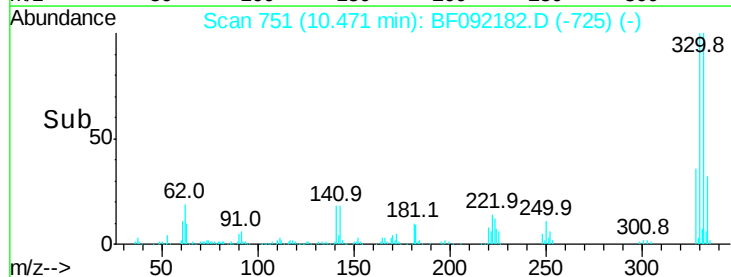
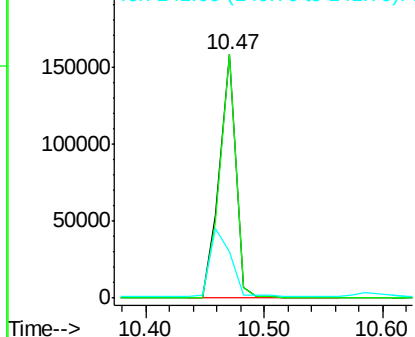


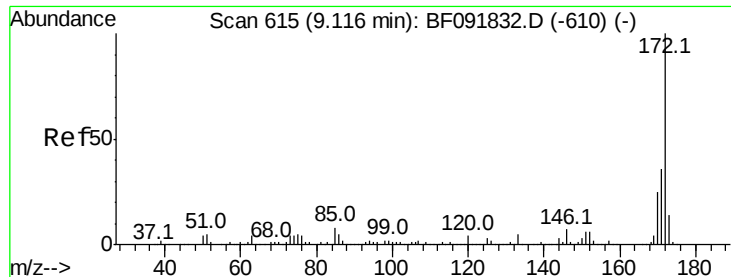
#41
 2,4,6-Tribromophenol
 Concen: 68.97 ng
 RT: 10.47 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BF092182.D
 Acq: 10 Jan 2017 15:21

Tgt Ion:330 Resp: 152287
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.4 116.2
 141 35.3 34.1 51.1



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

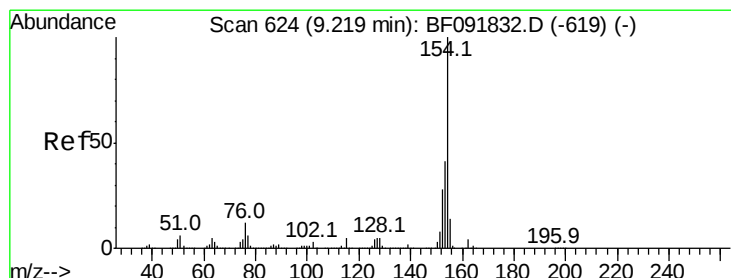
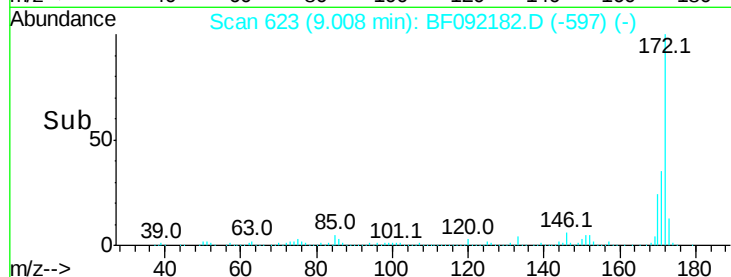
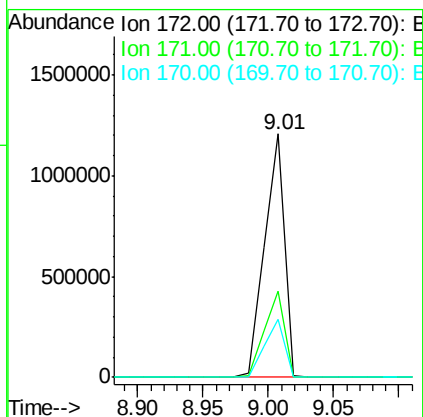
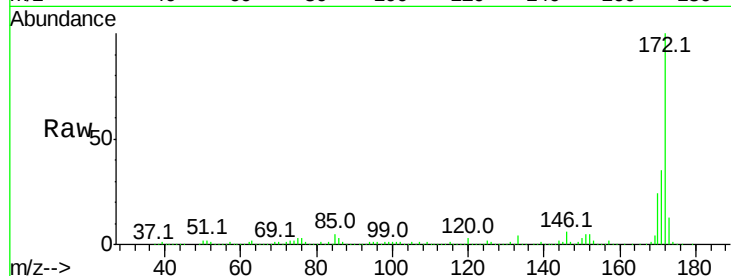




#44
 2-Fluorobiphenyl
 Concen: 101.52 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092182.D
 Acq: 10 Jan 2017 15:21

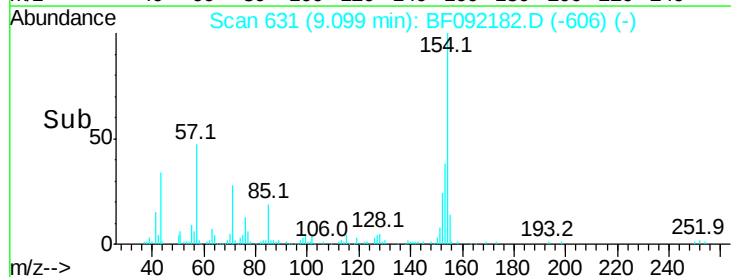
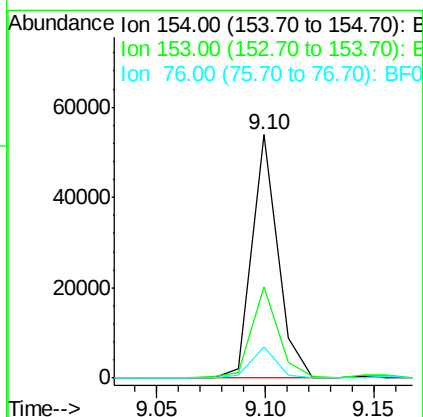
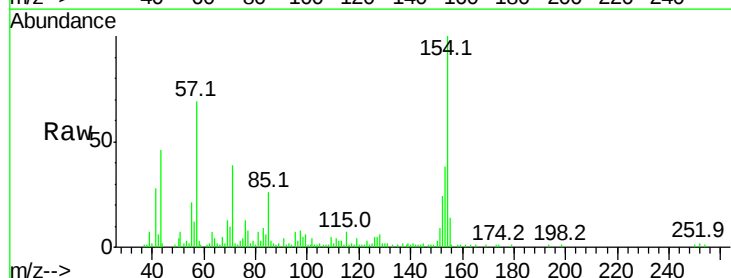
Instrument :
 BNA_F
 ClientSampleId :
 P3-SP3RE

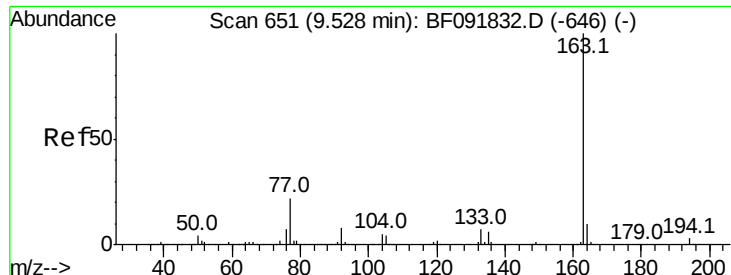
Tot Ion:172 Resp: 1289319
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.4 44.0
 170 23.9 20.2 30.4



#45
 1,1'-Biphenyl
 Concen: 2.44 ng
 RT: 9.10 min Scan# 631
 Delta R.T. -0.01 min
 Lab File: BF092182.D
 Acq: 10 Jan 2017 15:21

Tgt Ion:154 Resp: 44500
 Ion Ratio Lower Upper
 154 100
 153 37.6 20.9 60.9
 76 13.0 0.0 30.5

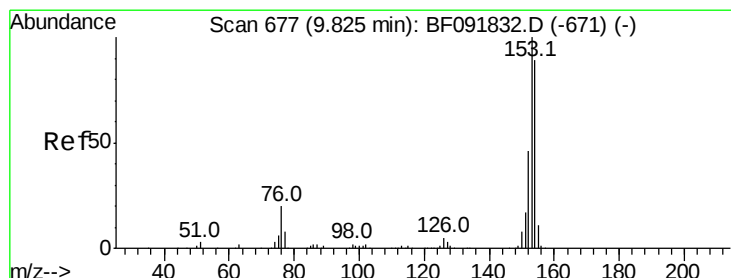
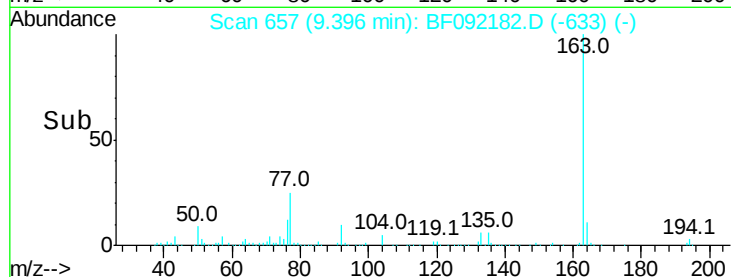
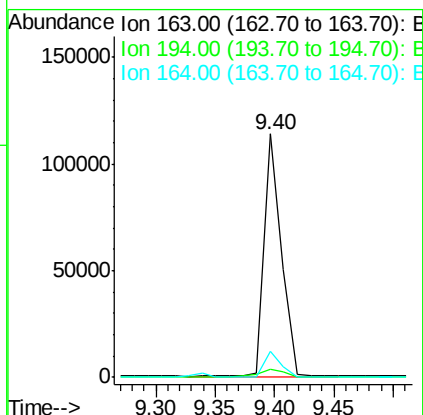
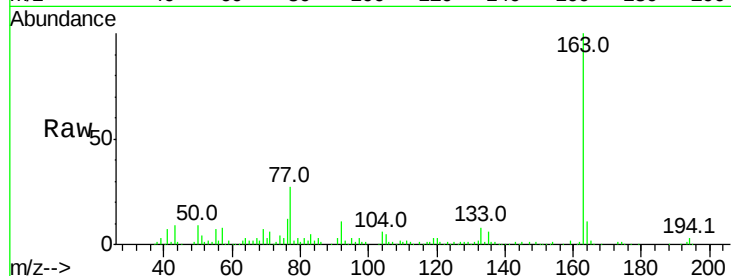




#49
Dimethylphthalate
Concen: 6.75 ng
RT: 9.40 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF092182.D
Acq: 10 Jan 2017 15:21

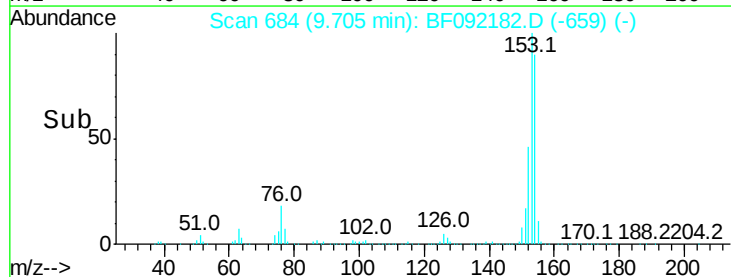
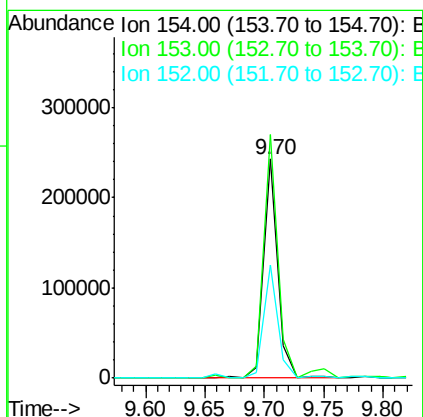
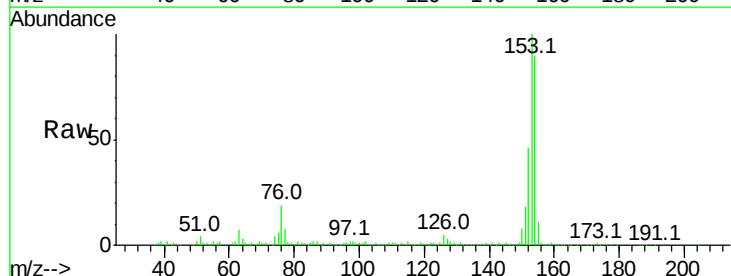
Instrument :
BNA_F
ClientSampleId :
P3-SP3RE

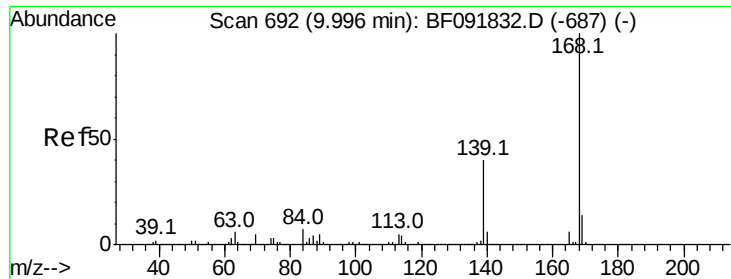
Tot Ion:163 Resp: 115170
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 10.7 8.0 12.0



#51
Acenaphthene
Concen: 13.52 ng
RT: 9.70 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF092182.D
Acq: 10 Jan 2017 15:21

Tgt Ion:154 Resp: 203931
Ion Ratio Lower Upper
154 100
153 111.2 88.6 133.0
152 51.4 41.6 62.4

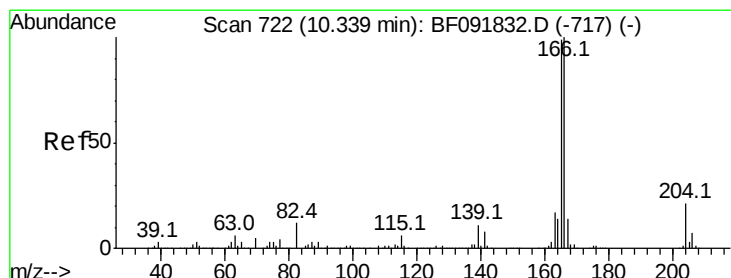
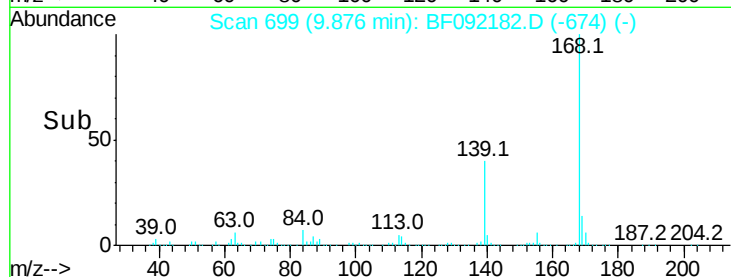
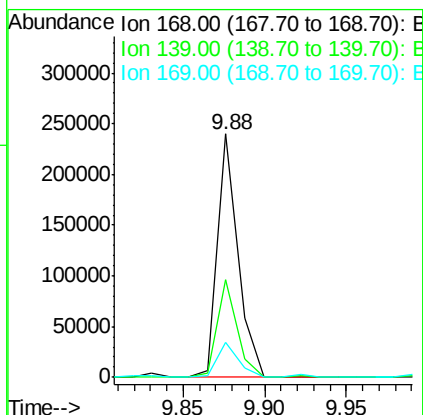
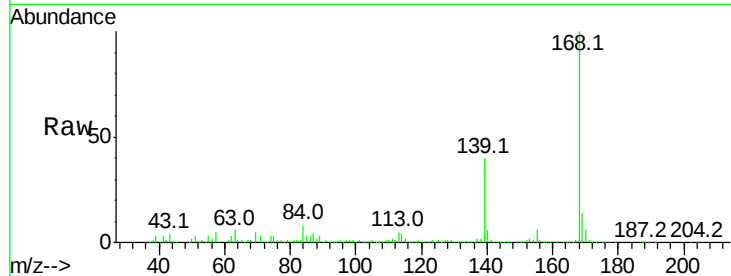




#54
Dibenzofuran
Concen: 10.33 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF092182.D
Acq: 10 Jan 2017 15:21

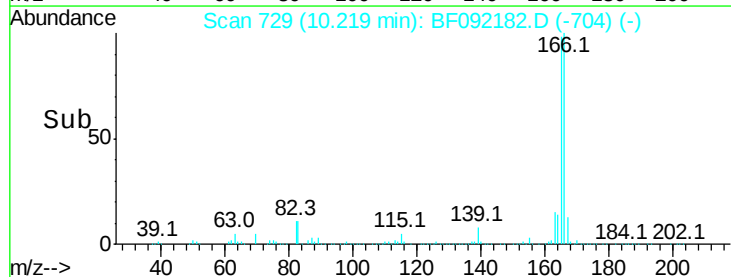
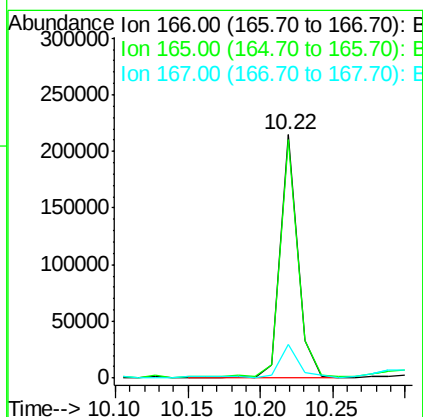
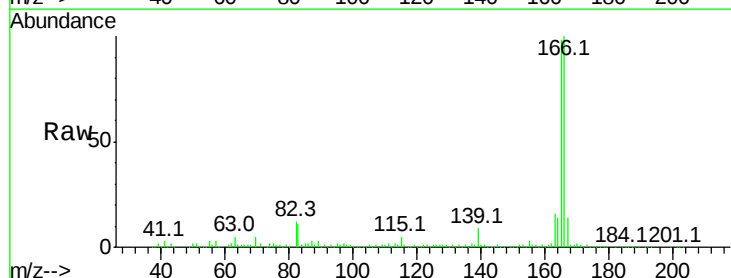
Instrument :
BNA_F
ClientSampleId :
P3-SP3RE

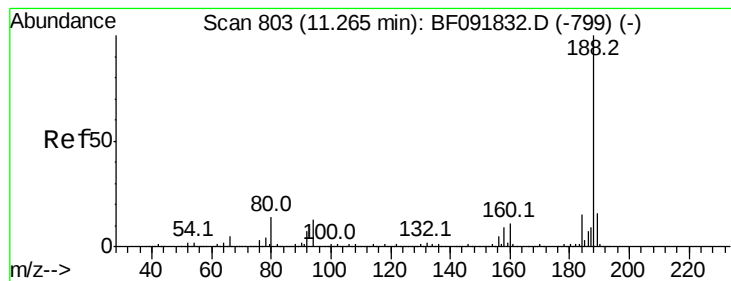
Tot Ion:168 Resp: 210424
Ion Ratio Lower Upper
168 100
139 40.1 32.6 49.0
169 14.5 11.3 16.9



#57
Fluorene
Concen: 12.08 ng
RT: 10.22 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF092182.D
Acq: 10 Jan 2017 15:21

Tgt Ion:166 Resp: 179045
Ion Ratio Lower Upper
166 100
165 97.8 77.8 116.8
167 13.7 10.8 16.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

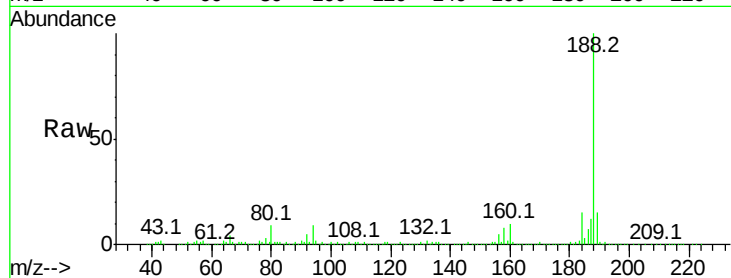
Tot Ion:188 Resp: 403197

Ion Ratio Lower Upper

188 100

94 9.2 10.0 15.0#

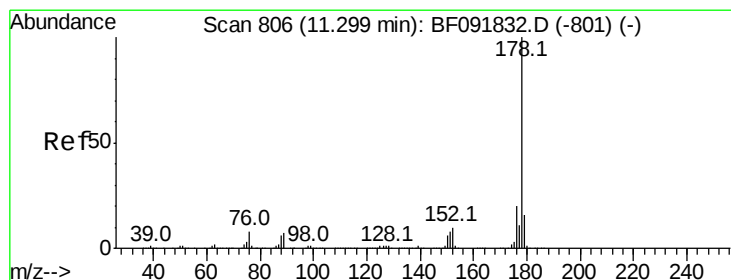
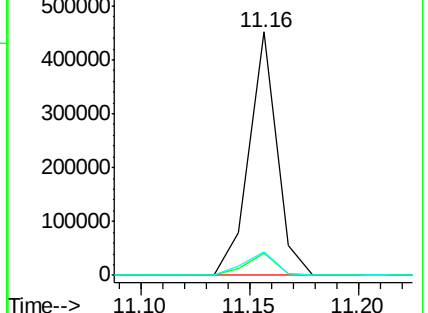
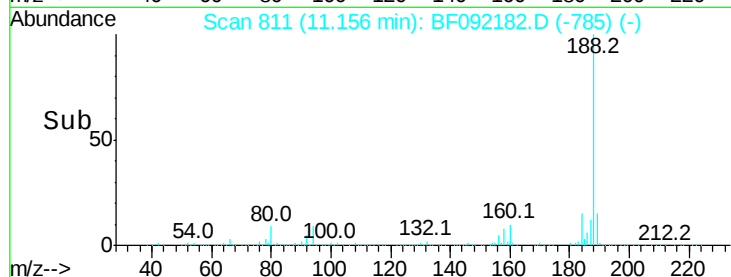
80 9.5 11.2 16.8#



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: 32.92 ng

RT: 11.18 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

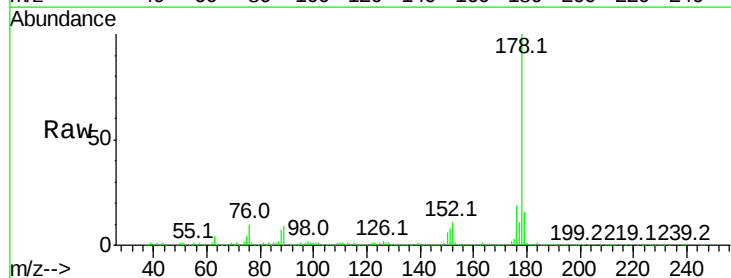
Tgt Ion:178 Resp: 719808

Ion Ratio Lower Upper

178 100

176 19.5 16.6 25.0

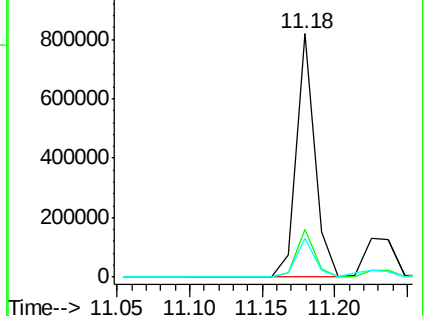
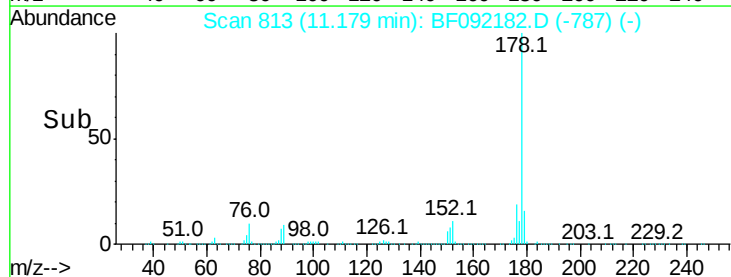
179 15.9 12.8 19.2

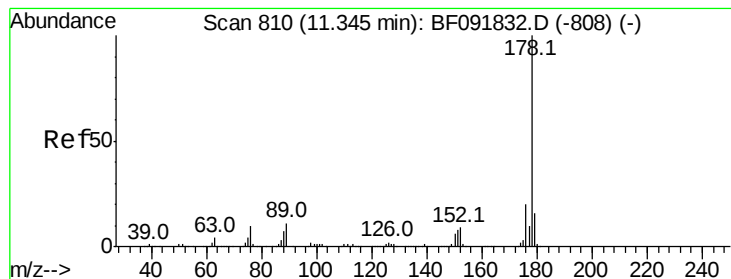


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 6.56 ng

RT: 11.23 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

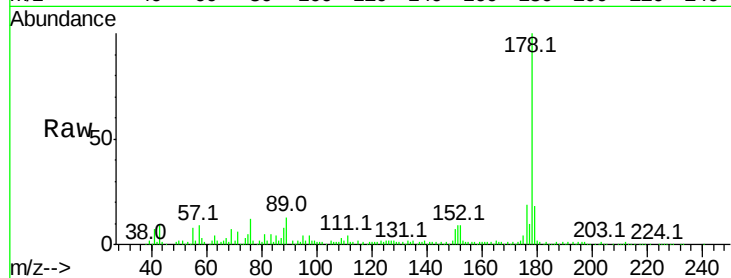
Tot Ion:178 Resp: 174685

Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

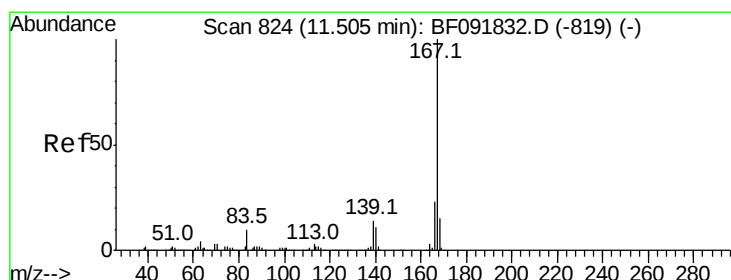
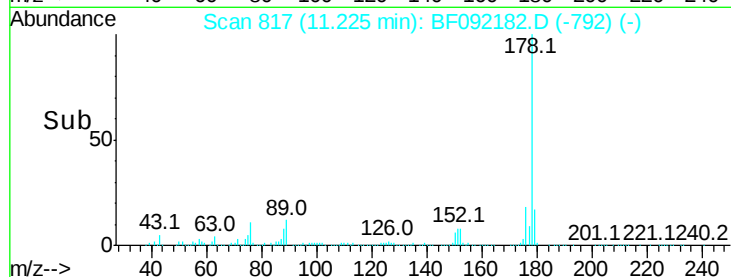
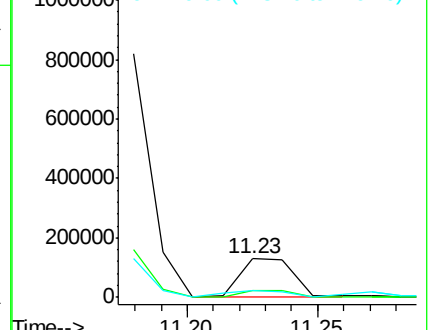
179 17.5 13.2 19.8



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: 3.16 ng

RT: 11.40 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

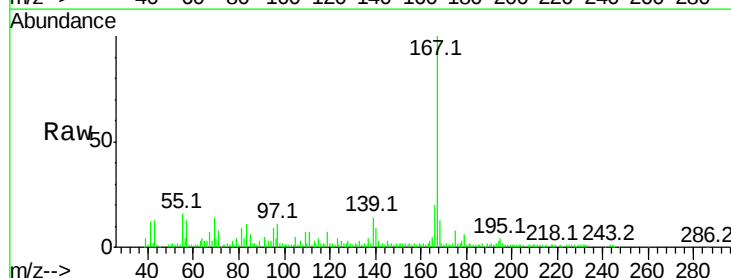
Tgt Ion:167 Resp: 78077

Ion Ratio Lower Upper

167 100

166 20.4 18.2 27.2

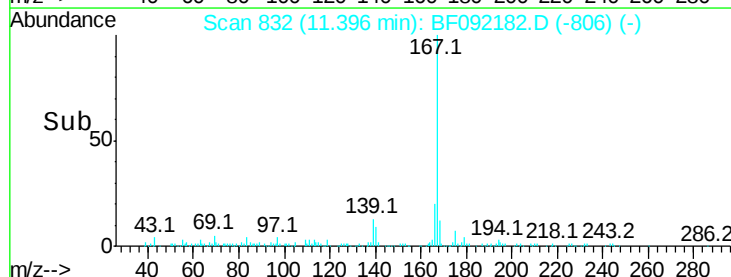
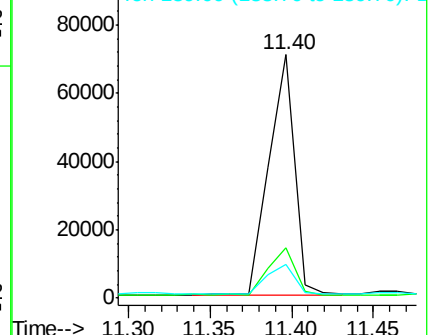
139 13.9 11.4 17.2

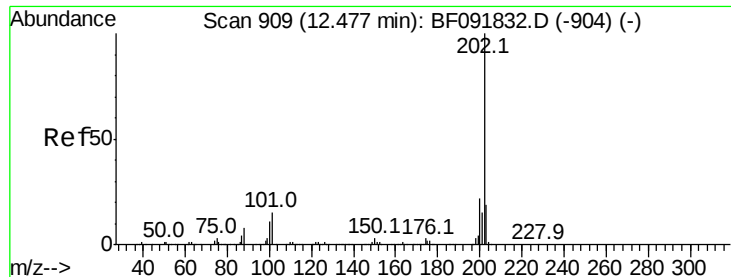


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 26.35 ng

RT: 12.37 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

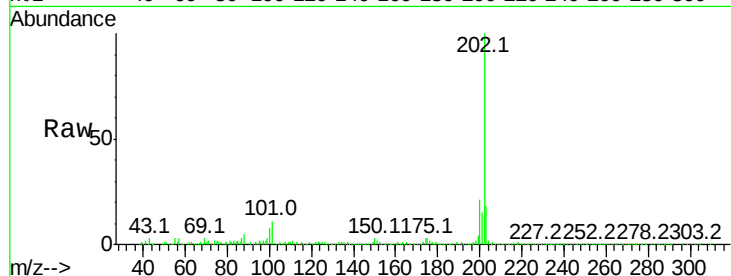
Tot Ion:202 Resp: 535871

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.6

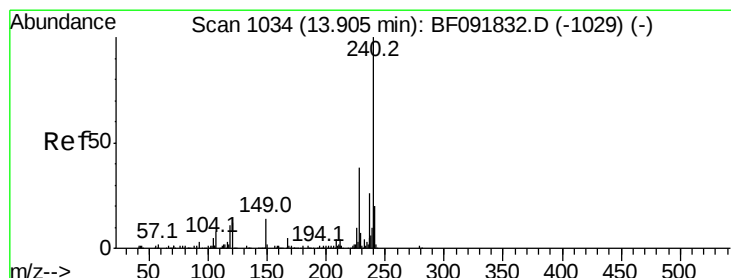
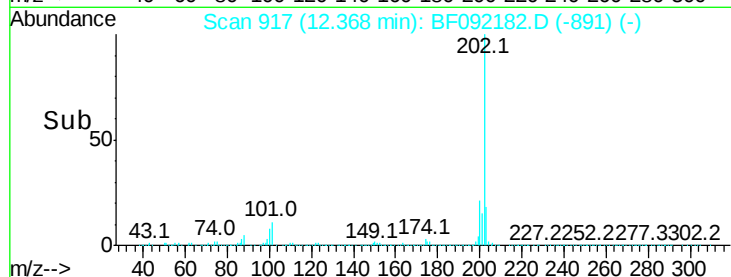
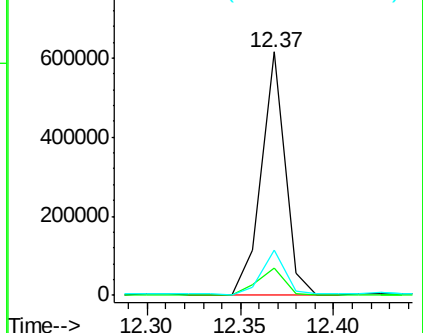
203 18.4 0.0 38.7



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: 13.80 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

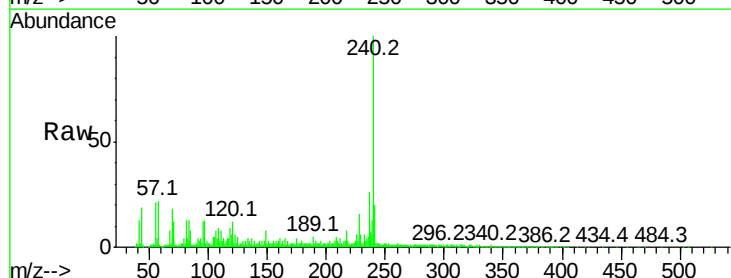
Tgt Ion:240 Resp: 238807

Ion Ratio Lower Upper

240 100

120 11.5 12.9 19.3#

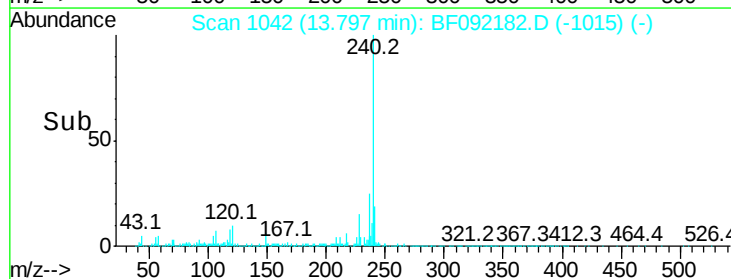
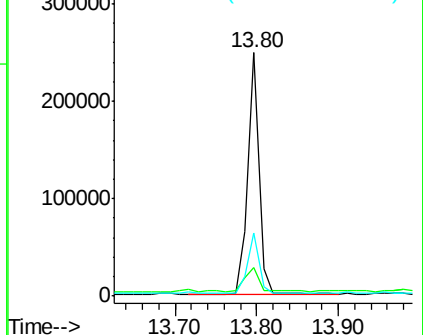
236 26.2 20.9 31.3

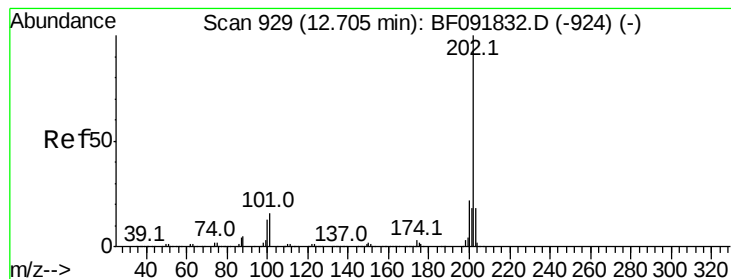


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 25.51 ng

RT: 12.60 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

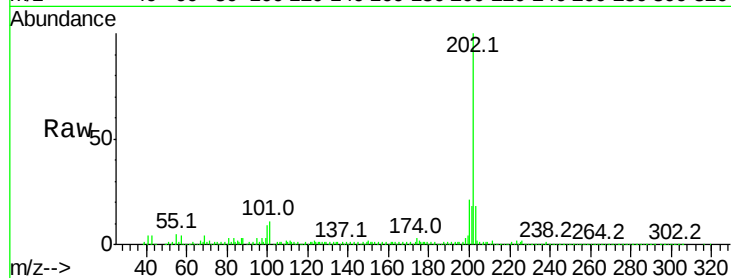
Tot Ion:202 Resp: 446999

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

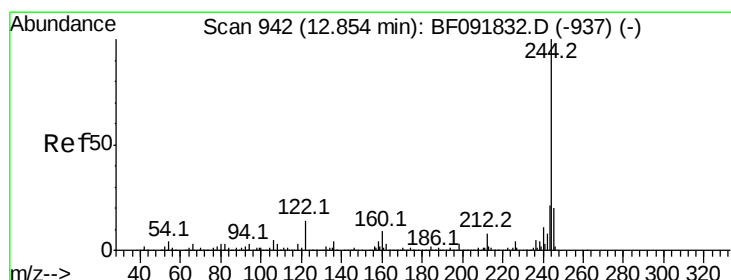
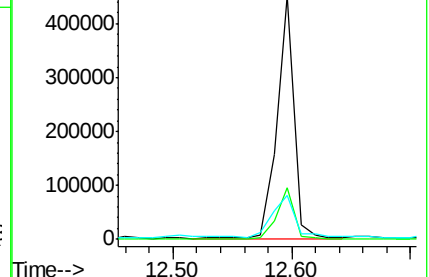
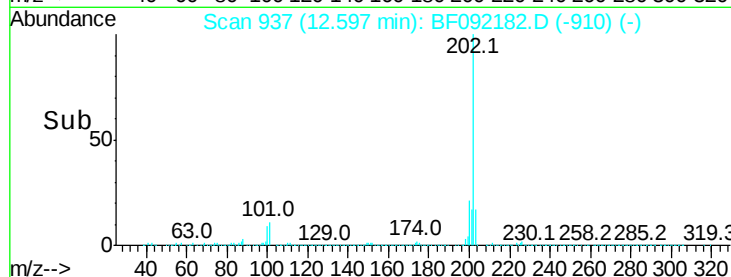
203 17.9 14.7 22.1



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: 85.66 ng

RT: 12.75 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

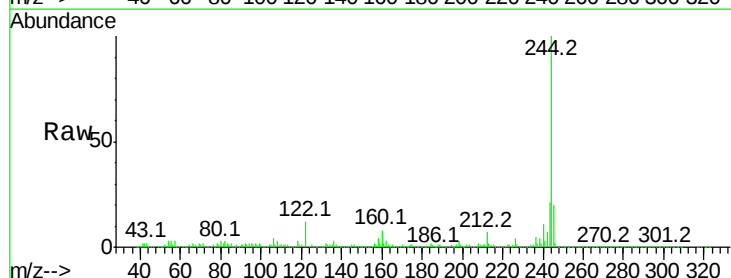
Tgt Ion:244 Resp: 843433

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

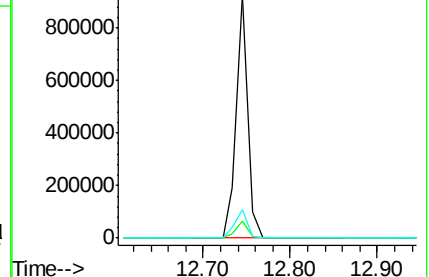
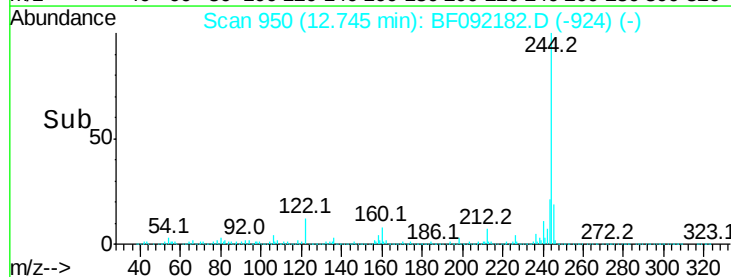
122 11.9 11.4 17.2

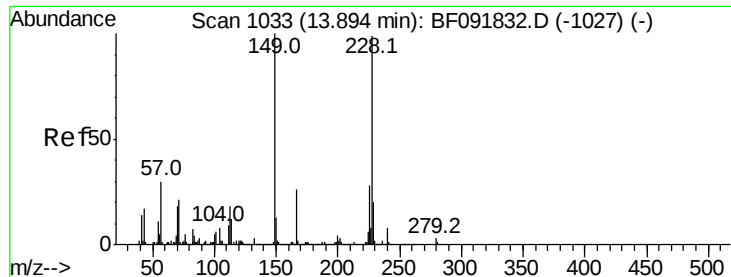


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

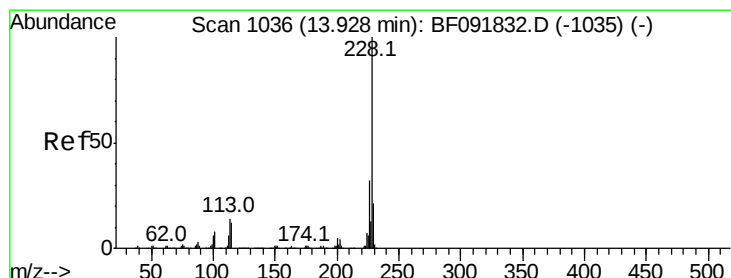
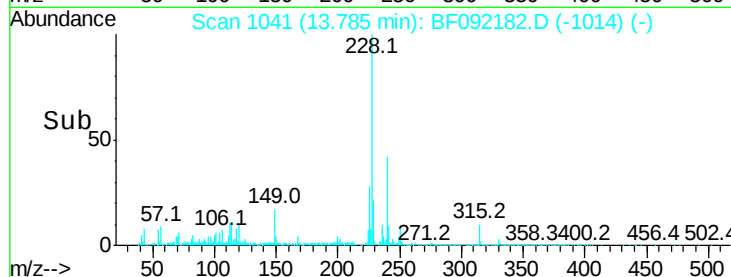
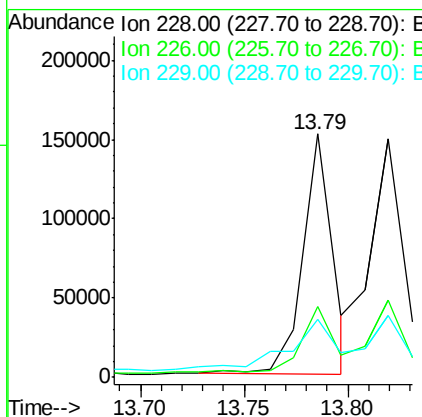
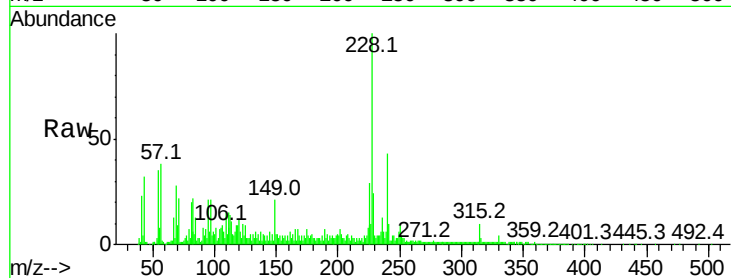




#80
Benzo(a)anthracene
Concen: 11.32 ng m
RT: 13.79 min Scan# 1041
Delta R.T. 0.01 min
Lab File: BF092182.D
Acq: 10 Jan 2017 15:21

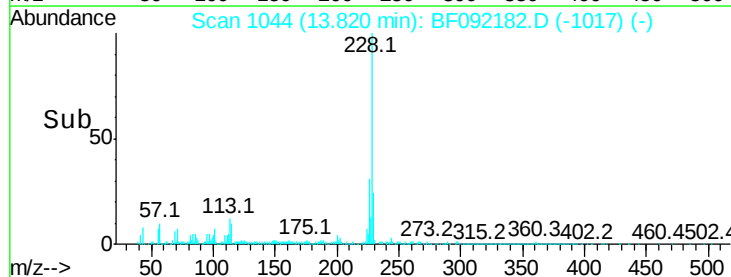
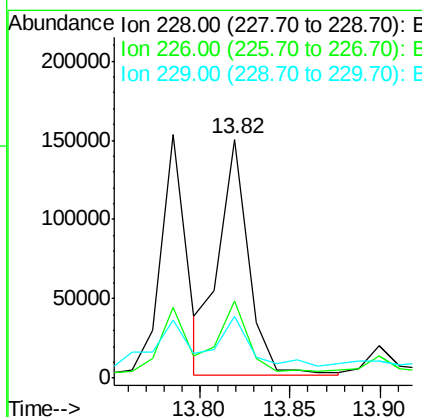
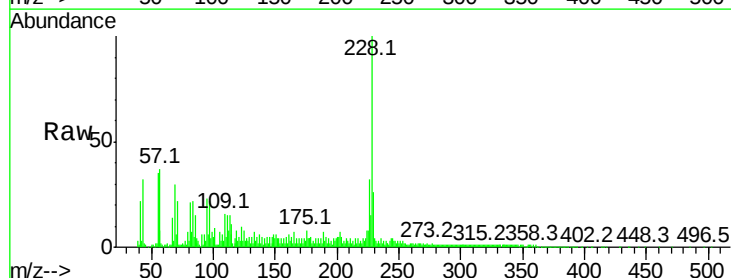
Instrument :
BNA_F
ClientSampleId :
P3-SP3RE

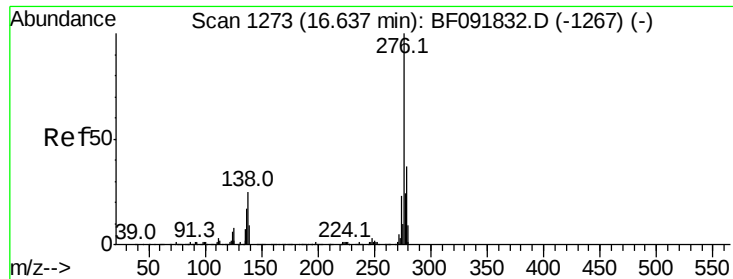
Tot Ion:228 Resp: 152635
Ion Ratio Lower Upper
228 100
226 29.3 22.4 33.6
229 23.8 16.2 24.4



#82
Chrysene
Concen: 12.35 ng m
RT: 13.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: BF092182.D
Acq: 10 Jan 2017 15:21

Tgt Ion:228 Resp: 167052
Ion Ratio Lower Upper
228 100
226 32.2 25.4 38.0
229 26.0 16.2 24.2#





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.94 ng

RT: 16.48 min Scan# 1277

Delta R.T. 0.06 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

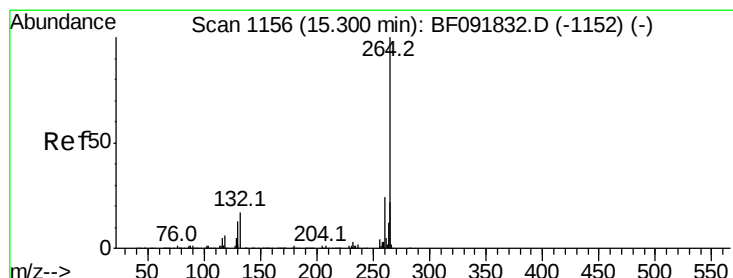
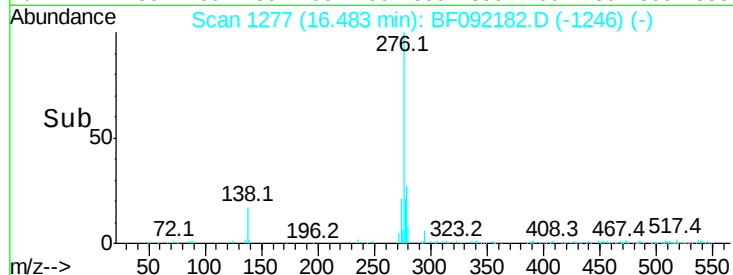
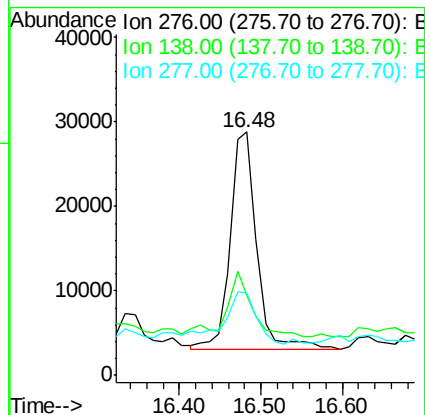
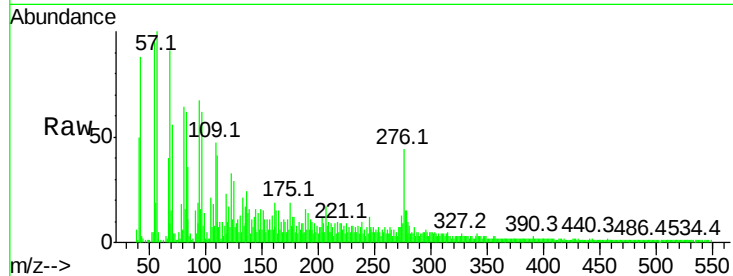
Tot Ion:276 Resp: 57813

Ion Ratio Lower Upper

276 100

138 29.5 21.8 32.6

277 30.9 20.2 30.4#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.18 min Scan# 1163

Delta R.T. 0.03 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

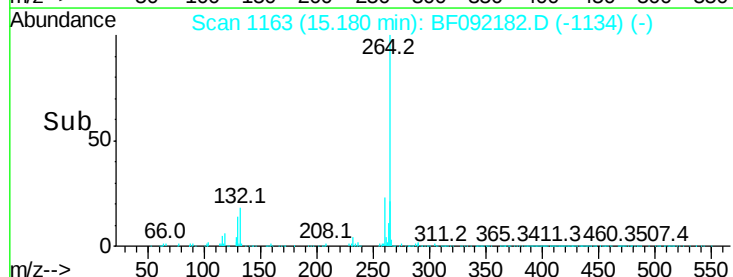
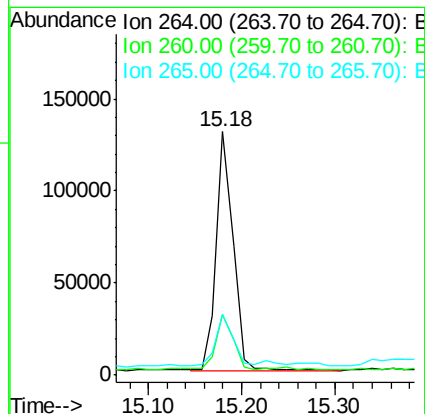
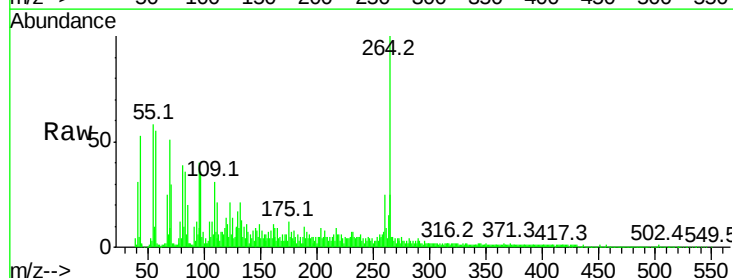
Tgt Ion:264 Resp: 164257

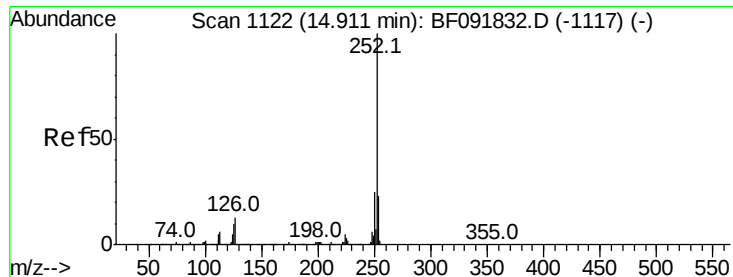
Ion Ratio Lower Upper

264 100

260 25.0 19.2 28.8

265 24.7 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 14.16 ng m

RT: 14.80 min Scan# 1130

Delta R.T. 0.02 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

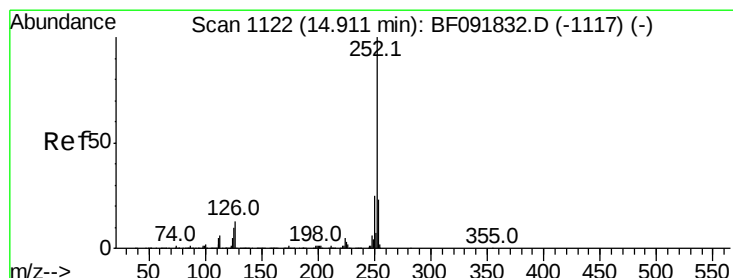
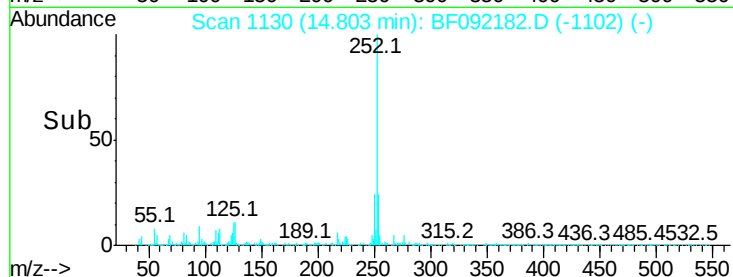
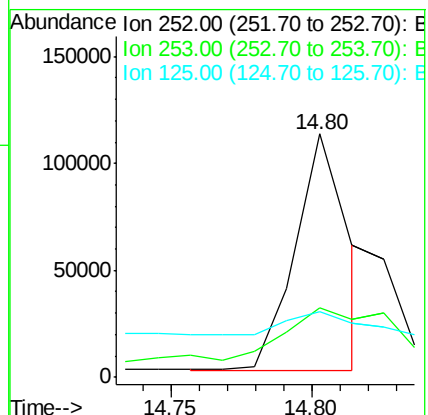
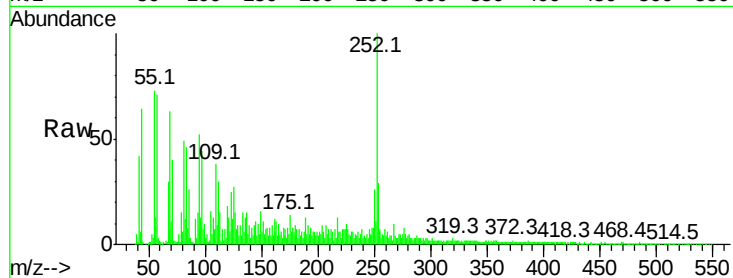
Tot Ion:252 Resp: 144851

Ion Ratio Lower Upper

252 100

253 28.8 18.2 27.4#

125 27.0 9.8 14.6#



#88

Benzo(k)fluoranthene

Concen: 5.43 ng m

RT: 14.81 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

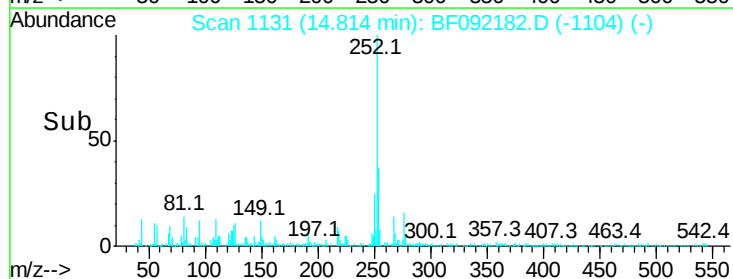
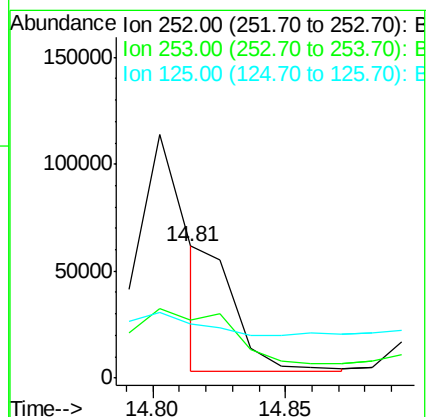
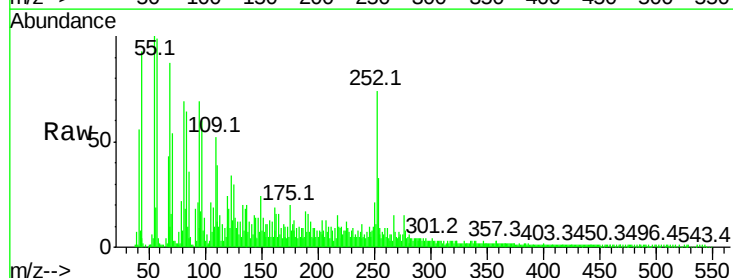
Tgt Ion:252 Resp: 47377

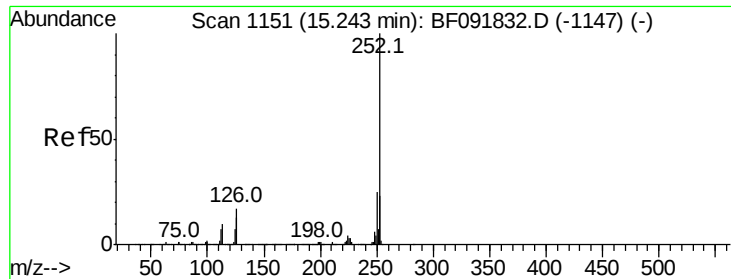
Ion Ratio Lower Upper

252 100

253 44.3 18.5 27.7#

125 40.9 8.9 13.3#





#89

Benzo(a)pyrene

Concen: 10.18 ng

RT: 15.12 min Scan# 1158

Delta R.T. 0.02 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Instrument :

BNA_F

ClientSampleId :

P3-SP3RE

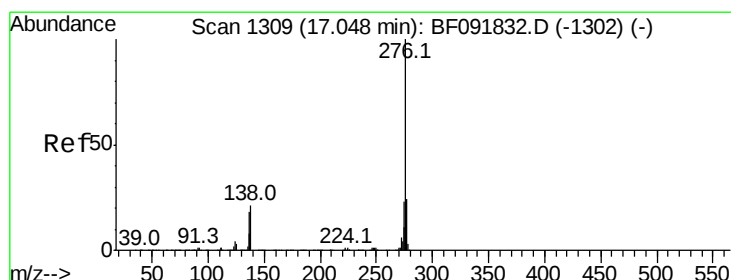
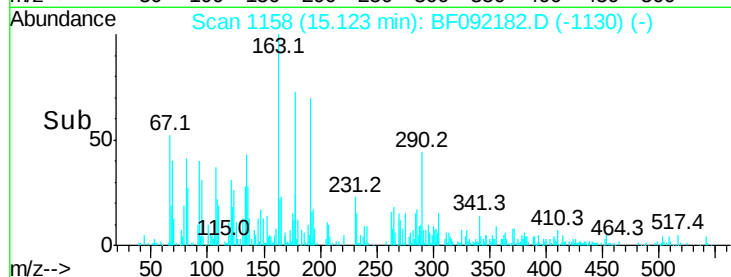
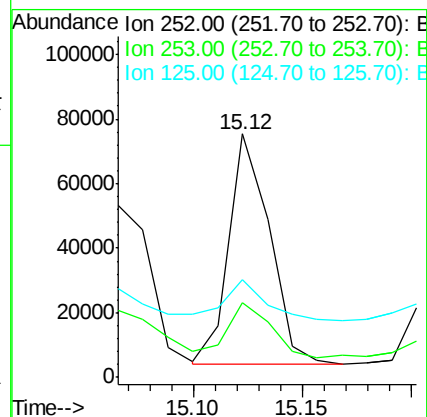
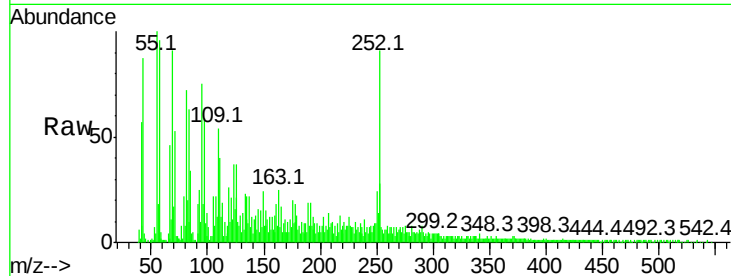
Tot Ion:252 Resp: 92365

Ion Ratio Lower Upper

252 100

253 30.6 18.2 27.2#

125 40.2 10.0 15.0#



#91

Benzo(g,h,i)perylene

Concen: 6.98 ng

RT: 16.87 min Scan# 1311

Delta R.T. 0.07 min

Lab File: BF092182.D

Acq: 10 Jan 2017 15:21

Tgt Ion:276 Resp: 54175

Ion Ratio Lower Upper

276 100

277 35.6 19.2 28.8#

138 34.8 16.0 24.0#

