

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011017\
 Data File : BF092184.D
 Acq On : 10 Jan 2017 16:15
 Operator : UM/SJ
 Sample : I1057-04RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP6RE

Quant Time: Jan 11 12:08:39 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

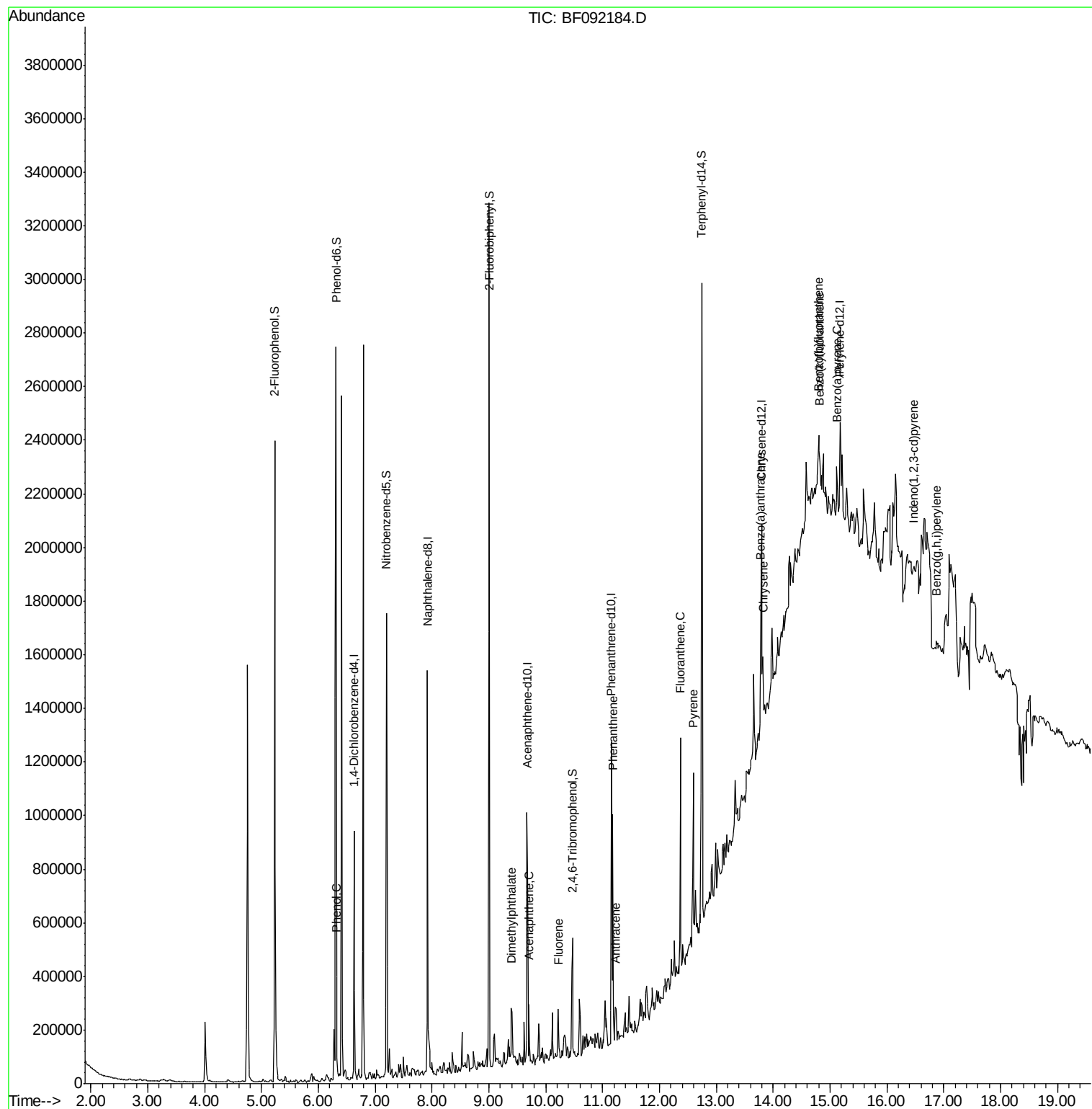
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	146961	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	579378	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	263650	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	403411	20.00	ng	0.00
75) Chrysene-d12	13.80	240	250116	20.00	ng	0.01
86) Perylene-d12	15.18	264	168137	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	762394	86.62	ng	0.00
7) Phenol-d6	6.31	99	1129188	105.08	ng	0.00
23) Nitrobenzene-d5	7.20	82	601022	57.68	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	66269	30.37	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	1187343	93.57	ng	0.00
78) Terphenyl-d14	12.75	244	754780	73.19	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.32	94	55521	4.53	ng	# 69
49) Dimethylphthalate	9.40	163	96528	5.72	ng	98
51) Acenaphthene	9.70	154	47847	3.21	ng	98
57) Fluorene	10.22	166	48381	3.30	ng	97
70) Phenanthrene	11.18	178	297239	13.59	ng	97
71) Anthracene	11.24	178	67889	2.14	ng	98
74) Fluoranthene	12.37	202	331181	14.68	ng	96
77) Pyrene	12.60	202	274723	14.97	ng	99
80) Benzo(a)anthracene	13.79	228	108130m	7.66	ng	
82) Chrysene	13.82	228	115695m	8.17	ng	
85) Indeno(1,2,3-cd)pyrene	16.47	276	35171	2.87	ng	97
87) Benzo(b)fluoranthene	14.80	252	94196m	9.00	ng	
88) Benzo(k)fluoranthene	14.81	252	37472m	4.20	ng	
89) Benzo(a)pyrene	15.12	252	63551	6.84	ng	# 58
91) Benzo(a,h,i)perylene	16.87	276	33074	4.17	ng	# 63

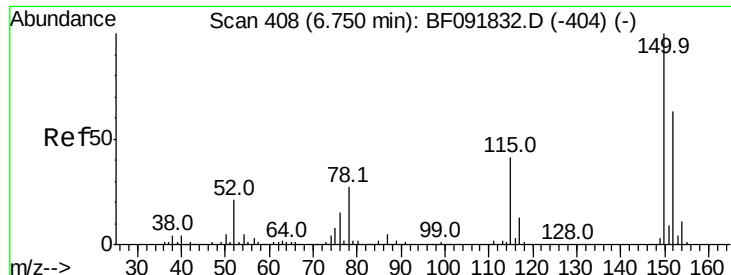
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

Instrument :

BNA_F

ClientSampleId :

P3-SP6RE

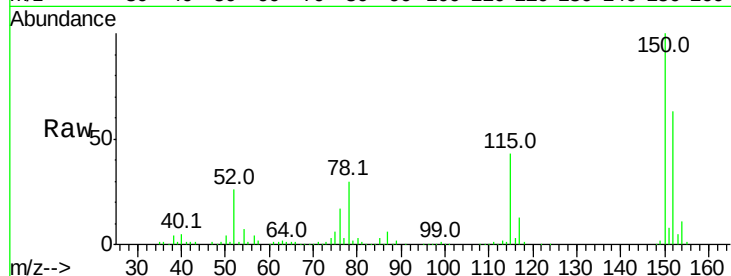
Tot Ion:152 Resp: 146961

Ion Ratio Lower Upper

152 100

150 158.9 124.9 187.3

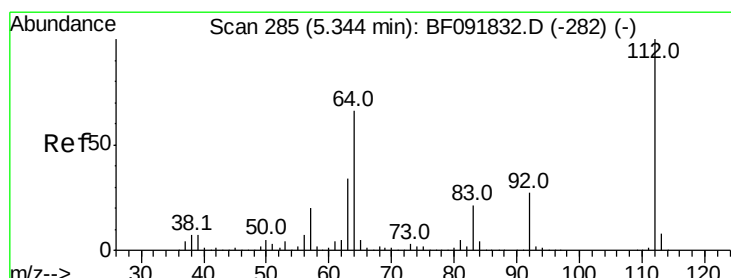
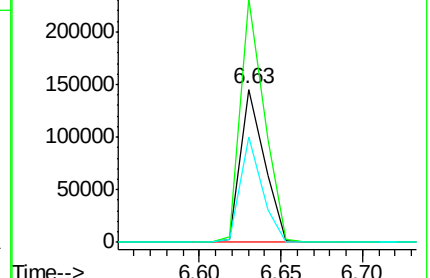
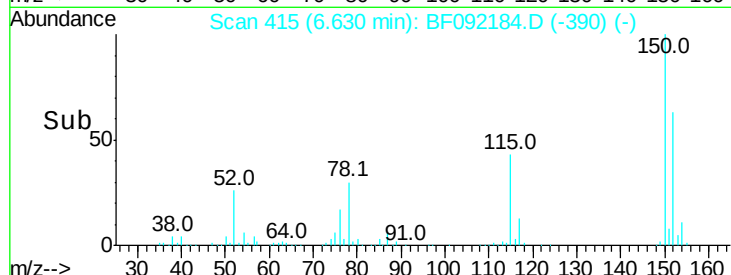
115 68.7 46.0 69.0



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: 86.62 ng

RT: 5.24 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

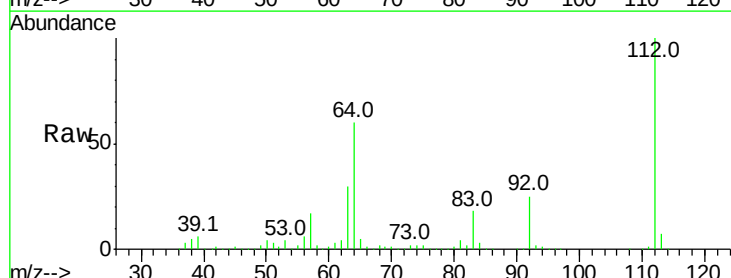
Tgt Ion:112 Resp: 762394

Ion Ratio Lower Upper

112 100

64 60.1 46.1 69.1

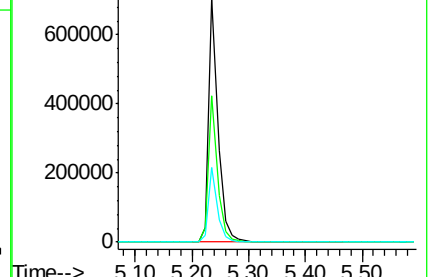
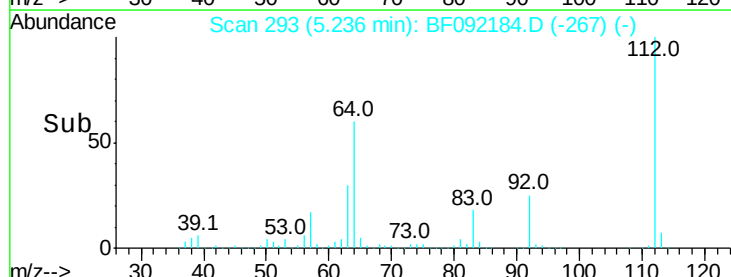
63 30.4 23.8 35.6

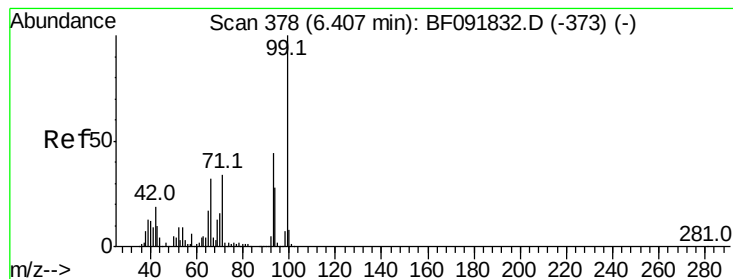


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.08 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

Instrument :

BNA_F

ClientSampleId :

P3-SP6RE

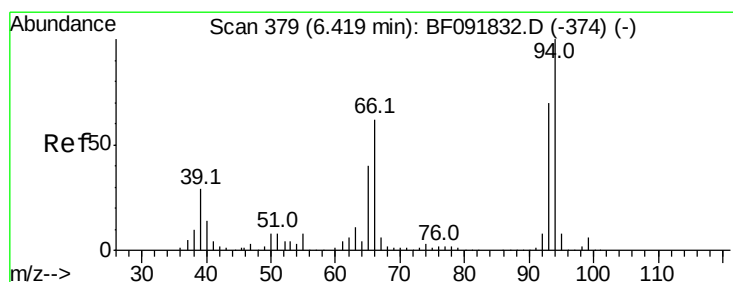
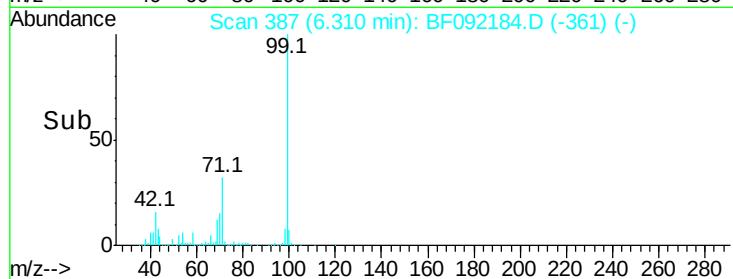
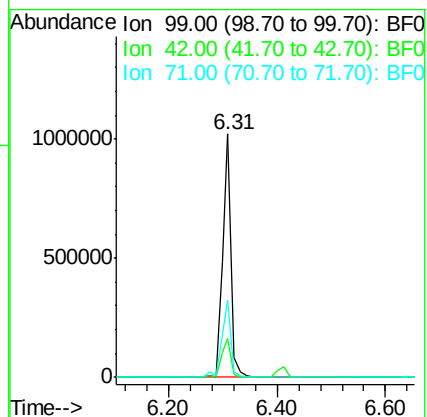
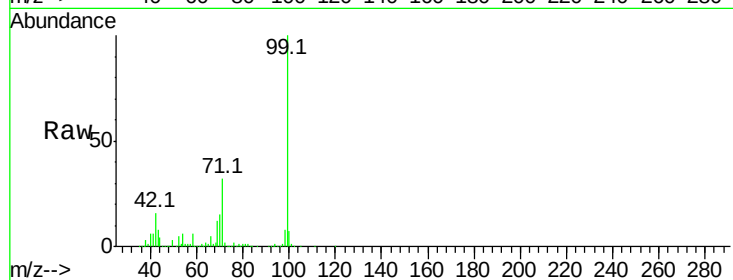
Tot Ion: 99 Resp: 1129188

Ion Ratio Lower Upper

99 100

42 16.1 15.6 23.4

71 31.9 27.5 41.3



#10

Phenol

Concen: 4.53 ng

RT: 6.32 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

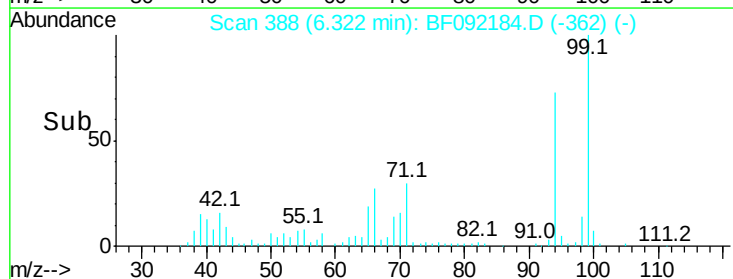
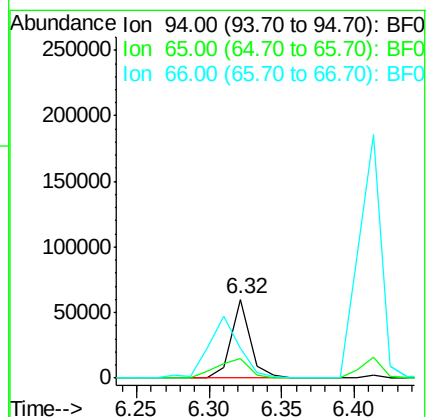
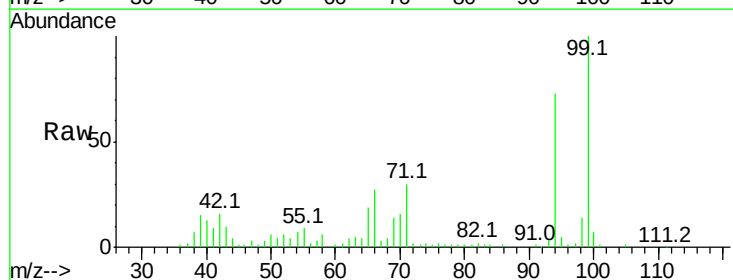
Tgt Ion: 94 Resp: 55521

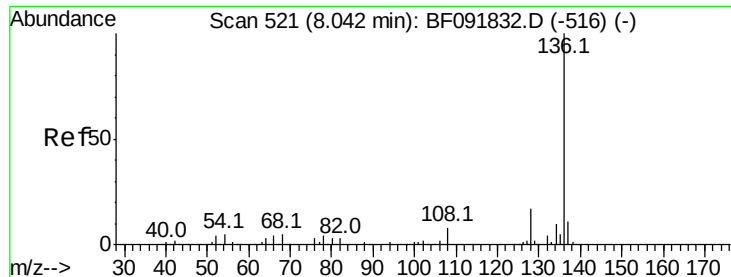
Ion Ratio Lower Upper

94 100

65 25.4 21.4 61.4

66 37.4 44.0 84.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

Instrument :

BNA_F

ClientSampleId :

P3-SP6RE

Tot Ion:136 Resp: 579378

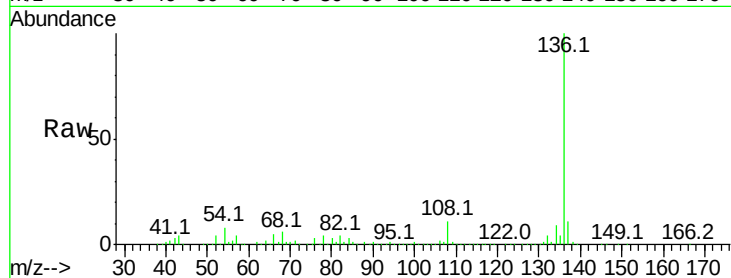
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 8.4 4.5 6.7#

68 6.3 3.6 5.4#

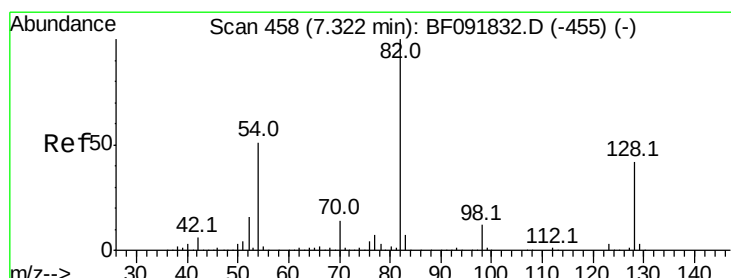
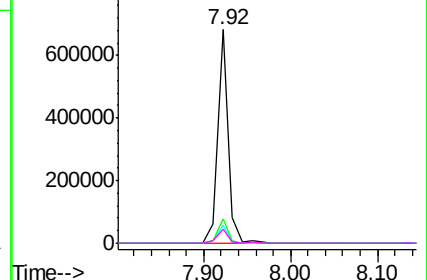
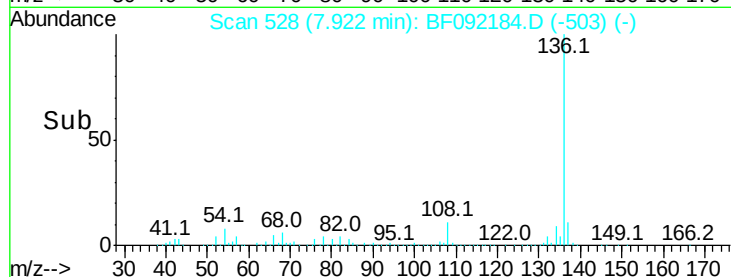


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 57.68 ng

RT: 7.20 min Scan# 465

Delta R.T. -0.01 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

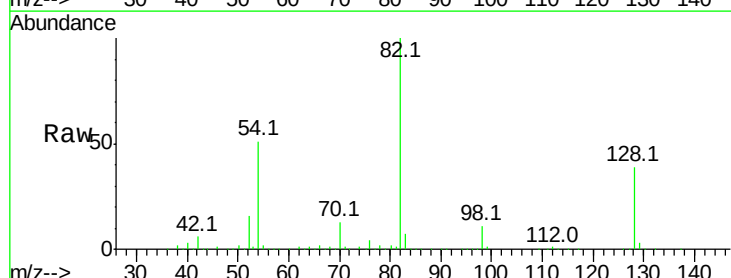
Tgt Ion: 82 Resp: 601022

Ion Ratio Lower Upper

82 100

128 38.8 34.6 52.0

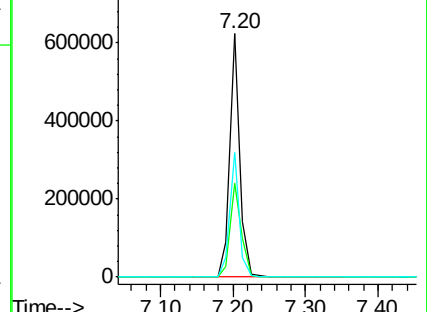
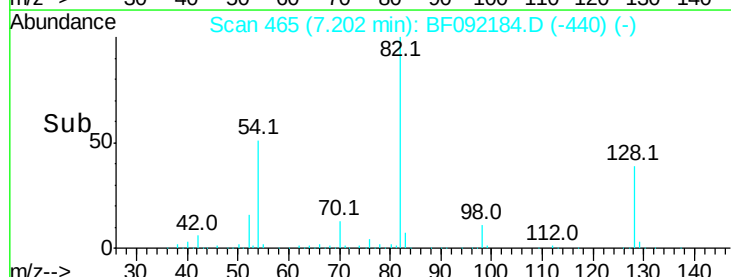
54 51.1 39.5 59.3

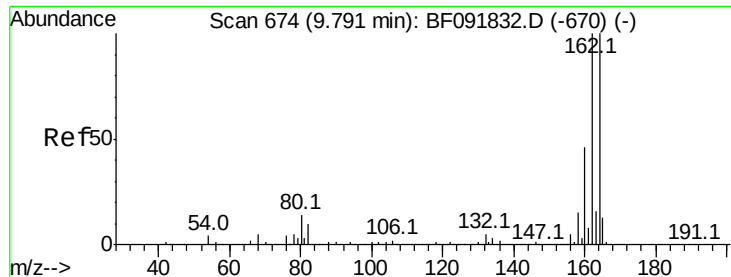


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

Instrument :

BNA_F

ClientSampled :

P3-SP6RE

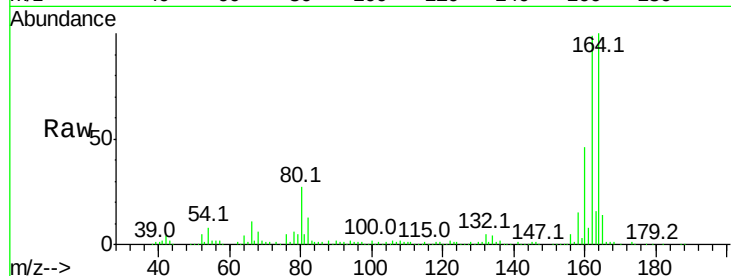
Tot Ion:164 Resp: 263650

Ion Ratio Lower Upper

164 100

162 99.3 80.2 120.2

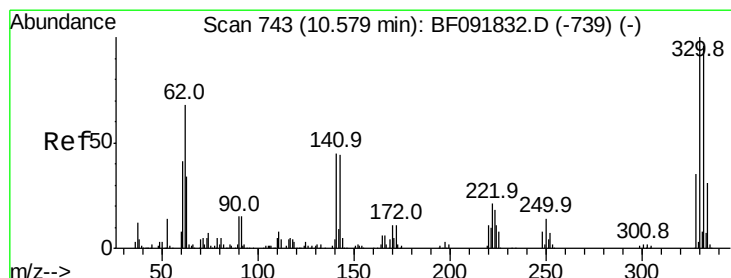
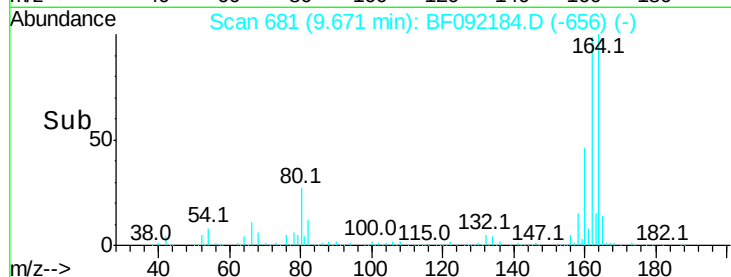
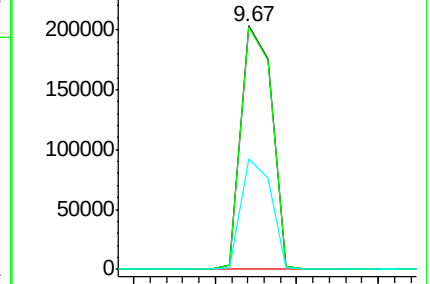
160 45.6 36.9 55.3



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: 30.37 ng

RT: 10.47 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

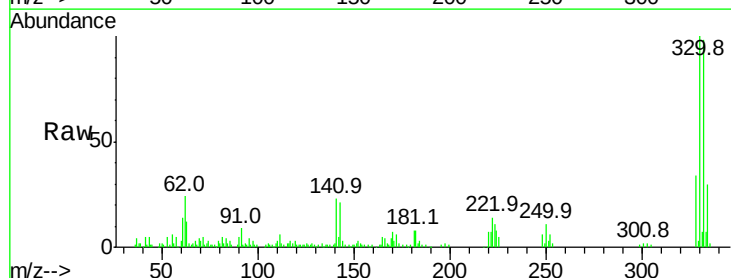
Tgt Ion:330 Resp: 66269

Ion Ratio Lower Upper

330 100

332 97.9 77.4 116.2

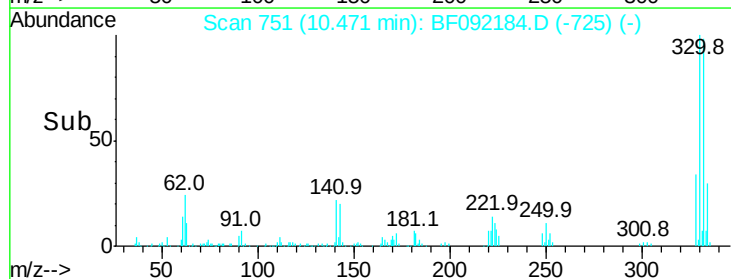
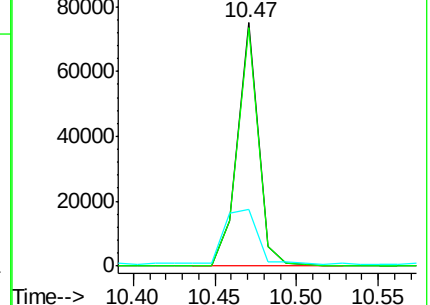
141 36.5 34.1 51.1

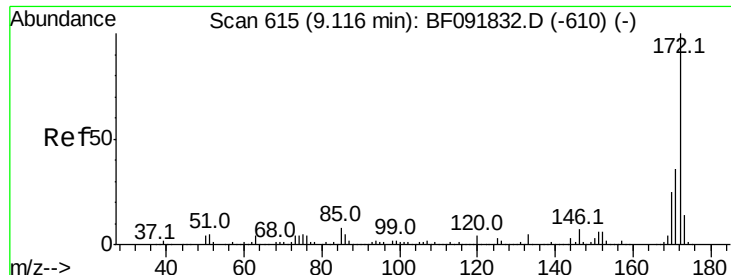


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

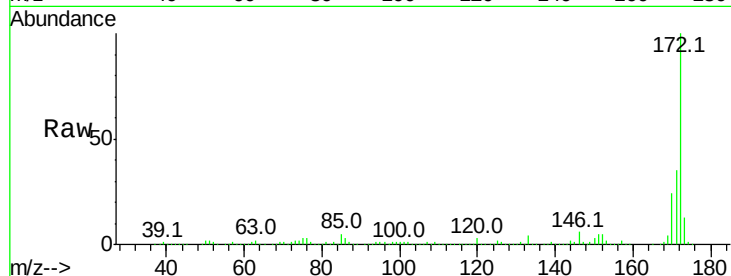




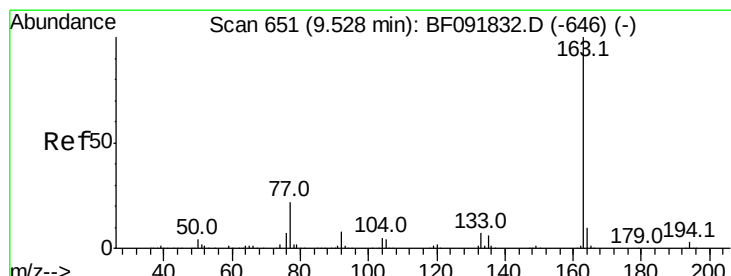
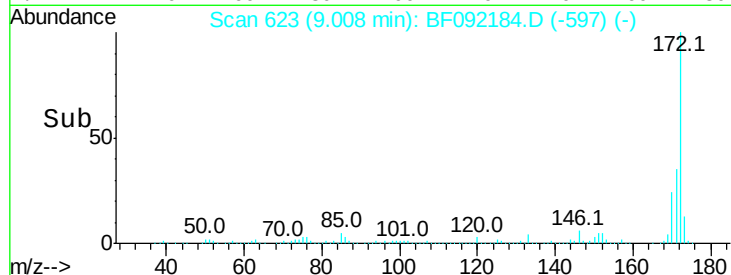
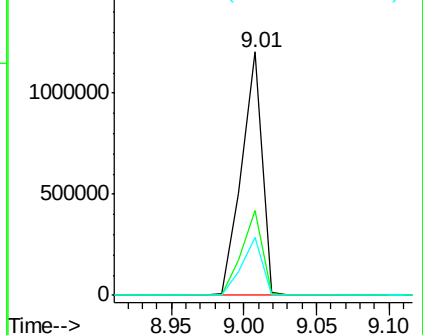
#44
2-Fluorobiphenyl
Concen: 93.57 ng
RT: 9.01 min Scan# 623
Delta R.T. 0.00 min
Lab File: BF092184.D
Acq: 10 Jan 2017 16:15

Instrument :
BNA_F
ClientSampleId :
P3-SP6RE

Tot Ion:172 Resp: 1187343
Ion Ratio Lower Upper
172 100
171 34.9 29.4 44.0
170 23.7 20.2 30.4

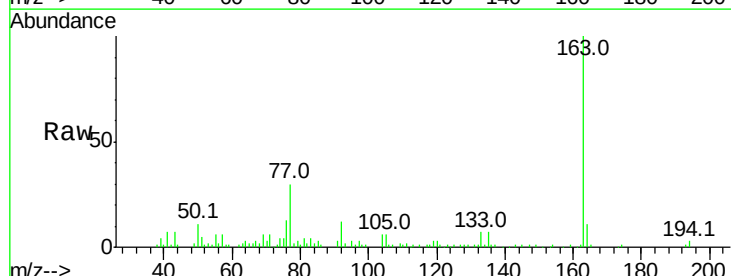


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

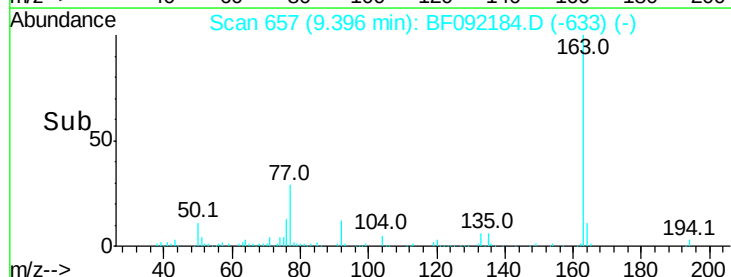
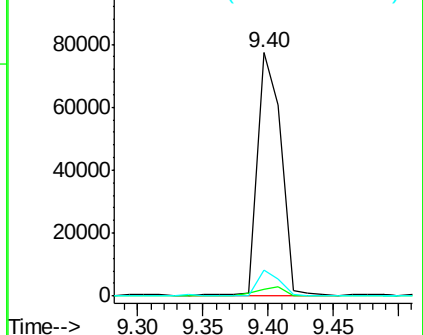


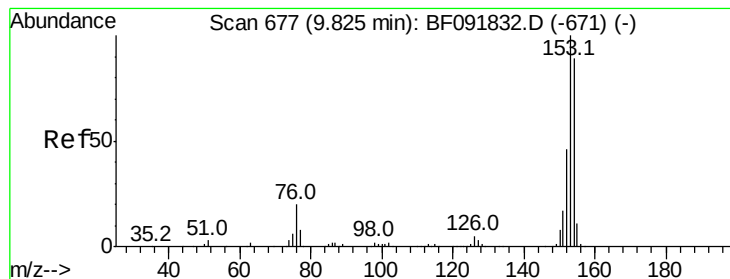
#49
Dimethylphthalate
Concen: 5.72 ng
RT: 9.40 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF092184.D
Acq: 10 Jan 2017 16:15

Tgt Ion:163 Resp: 96528
Ion Ratio Lower Upper
163 100
194 3.0 3.0 4.4
164 10.5 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 3.21 ng

RT: 9.70 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

Instrument :

BNA_F

ClientSampleId :

P3-SP6RE

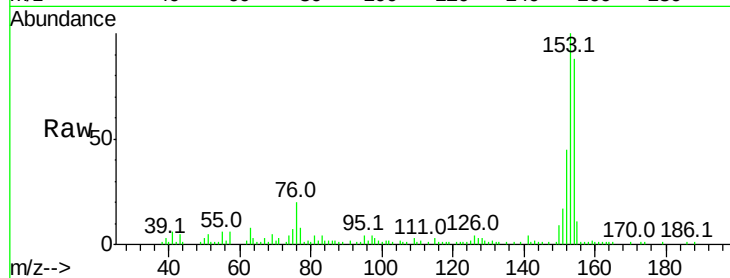
Tot Ion:154 Resp: 47847

Ion Ratio Lower Upper

154 100

153 113.7 88.6 133.0

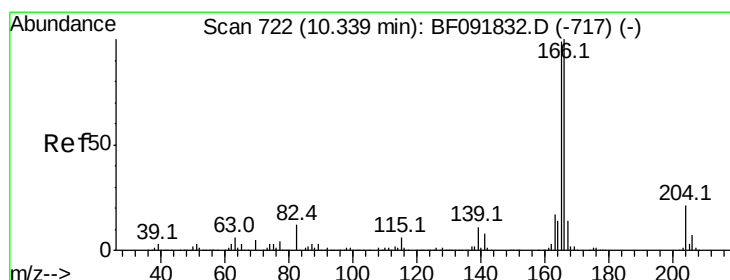
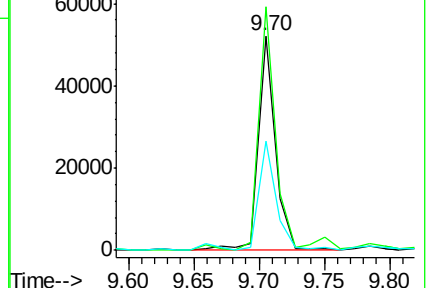
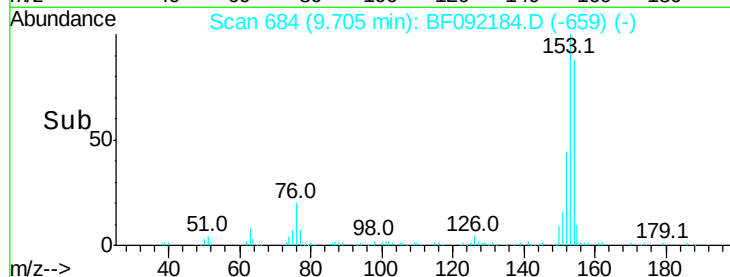
152 50.8 41.6 62.4



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



#57

Fluorene

Concen: 3.30 ng

RT: 10.22 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

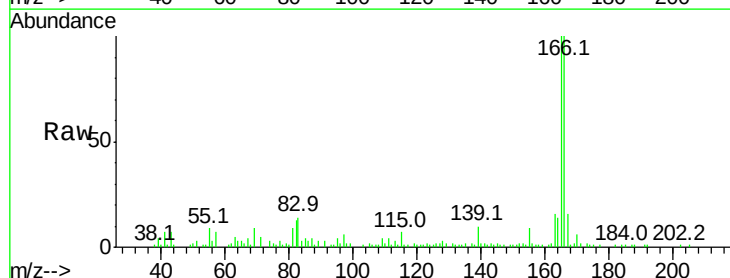
Tgt Ion:166 Resp: 48381

Ion Ratio Lower Upper

166 100

165 100.4 77.8 116.8

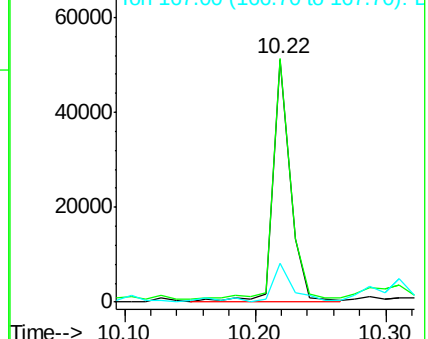
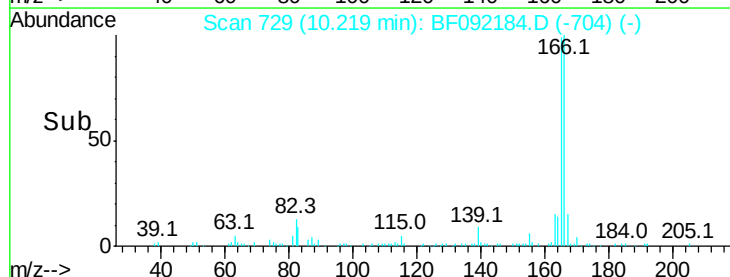
167 15.8 10.8 16.2

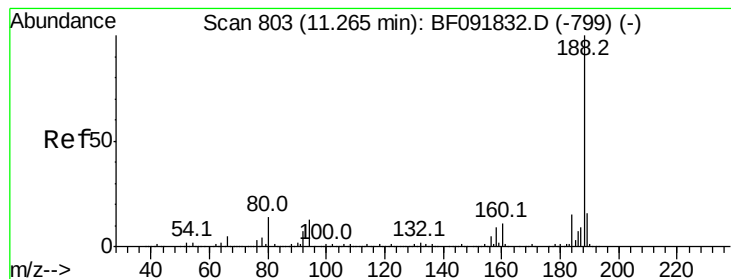


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.16 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

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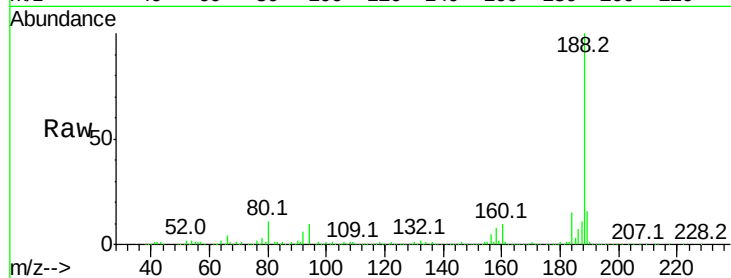
Tot Ion:188 Resp: 403411

Ion Ratio Lower Upper

188 100

94 10.3 10.0 15.0

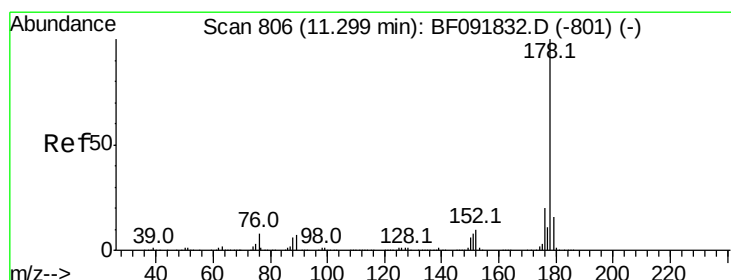
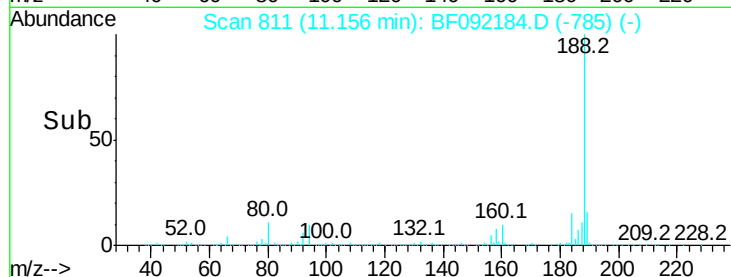
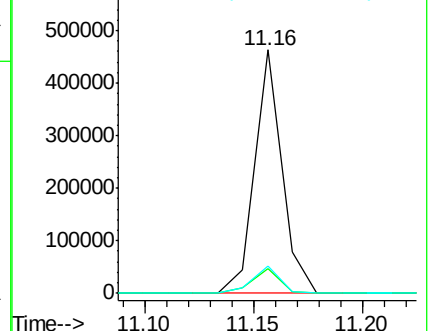
80 11.1 11.2 16.8#



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: 13.59 ng

RT: 11.18 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

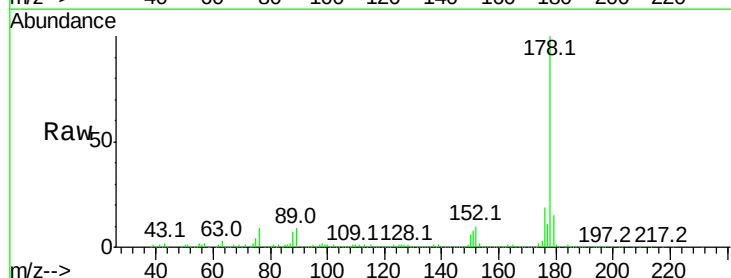
Tgt Ion:178 Resp: 297239

Ion Ratio Lower Upper

178 100

176 19.0 16.6 25.0

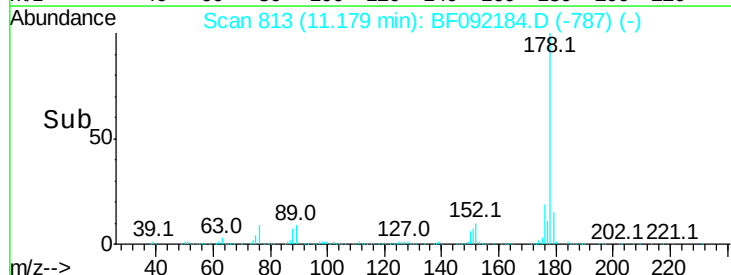
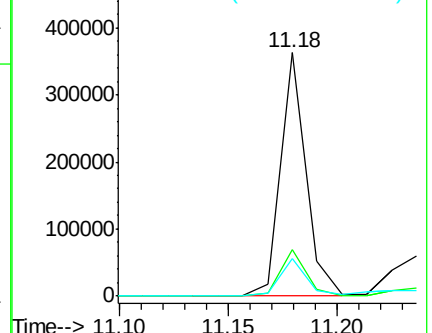
179 15.3 12.8 19.2

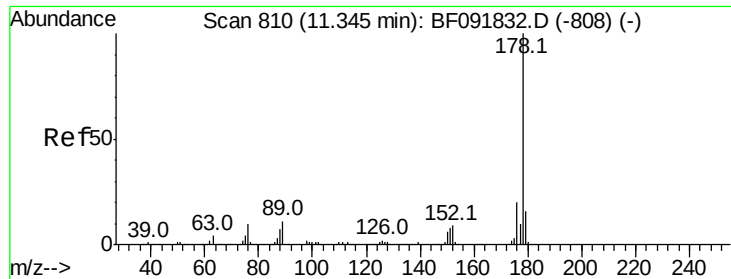


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.14 ng

RT: 11.24 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

Instrument :

BNA_F

ClientSampleId :

P3-SP6RE

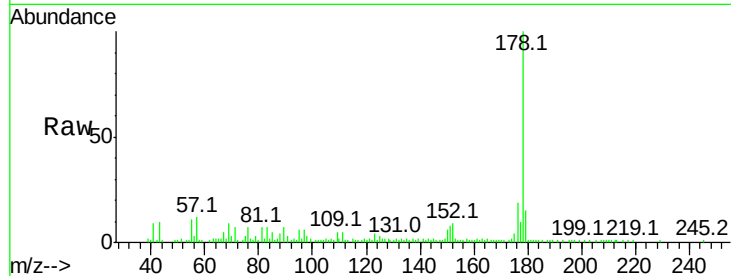
Tot Ion:178 Resp: 67889

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

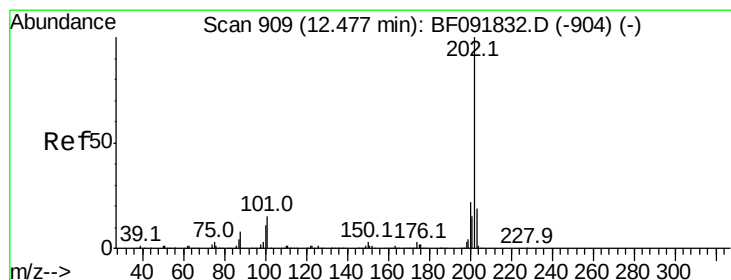
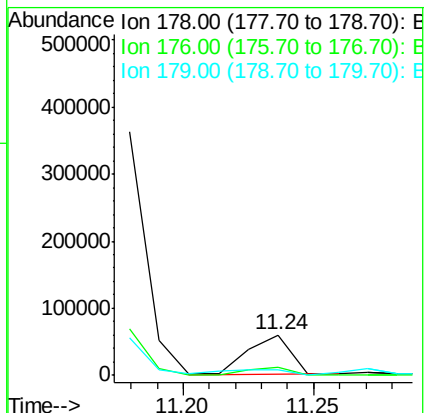
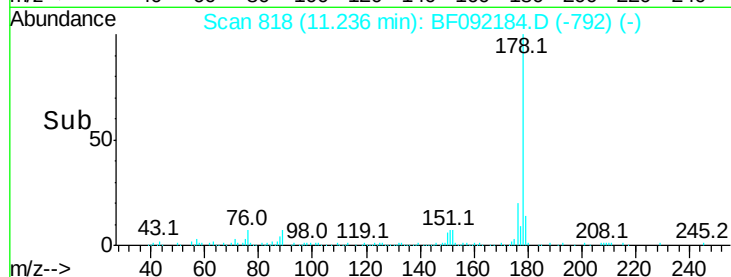
179 15.2 13.2 19.8



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



#74

Fluoranthene

Concen: 14.68 ng

RT: 12.37 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

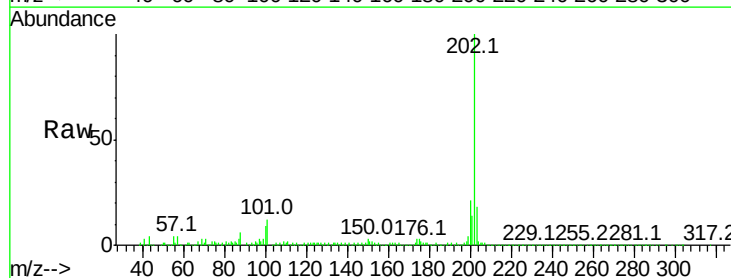
Tgt Ion:202 Resp: 331181

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.6

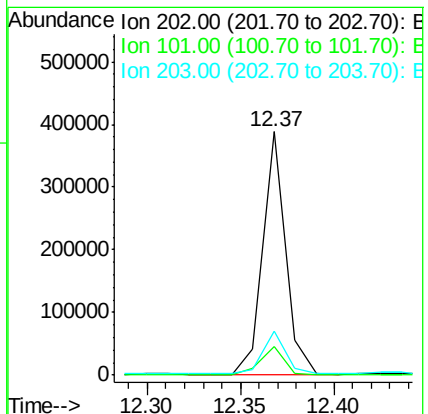
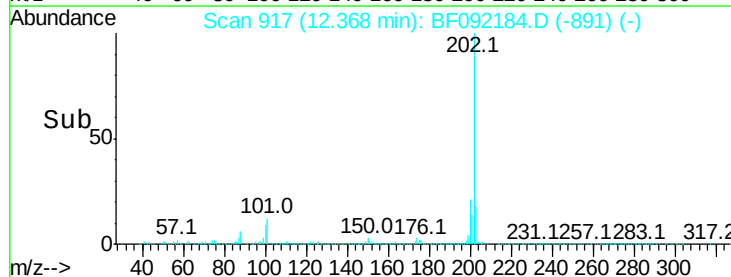
203 18.0 0.0 38.7

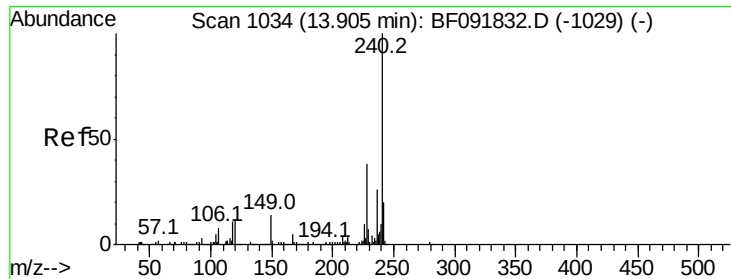


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF092184.D

Acq: 10 Jan 2017 16:15

Instrument :

BNA_F

ClientSampleId :

P3-SP6RE

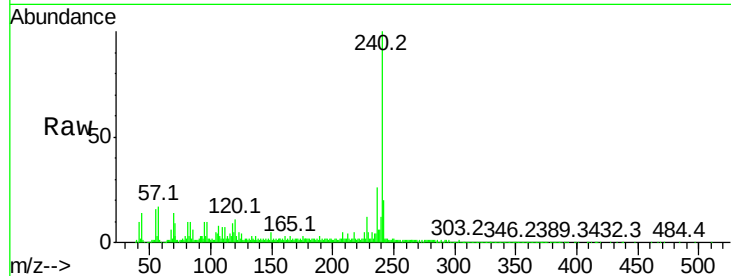
Tot Ion:240 Resp: 250116

Ion Ratio Lower Upper

240 100

120 11.4 12.9 19.3#

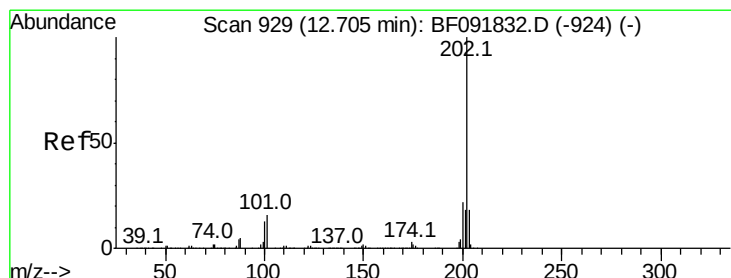
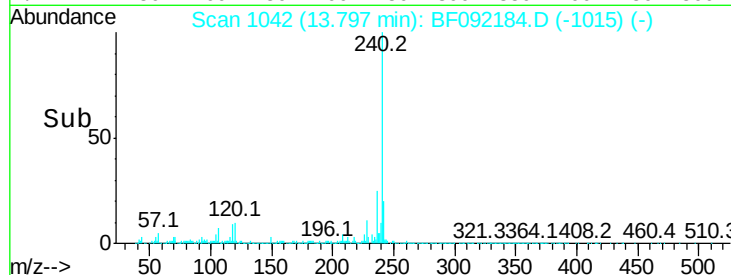
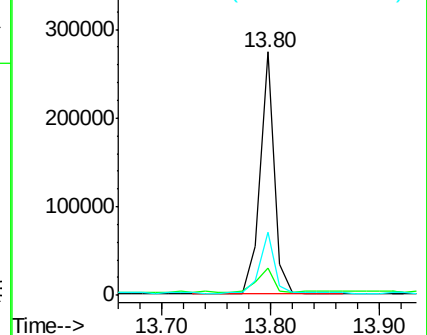
236 26.0 20.9 31.3



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

Pyrene

Concen: 14.97 ng

RT: 12.60 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

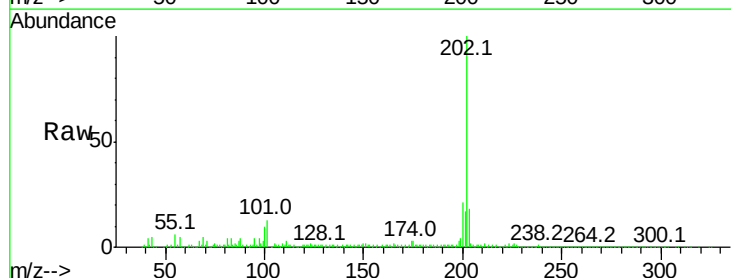
Tgt Ion:202 Resp: 274723

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

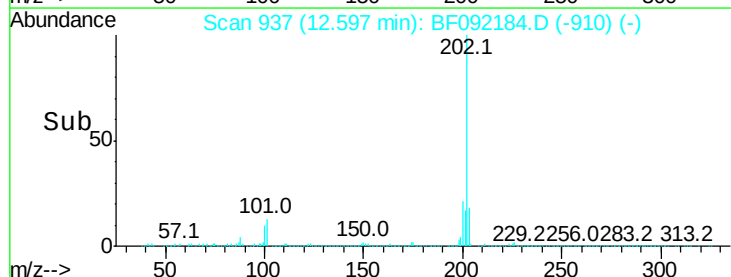
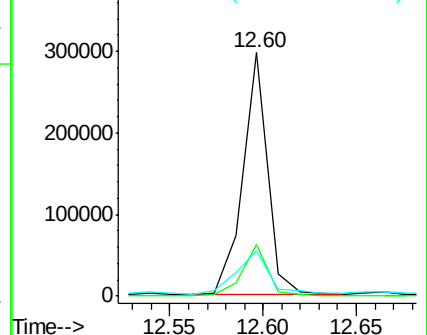
203 18.4 14.7 22.1

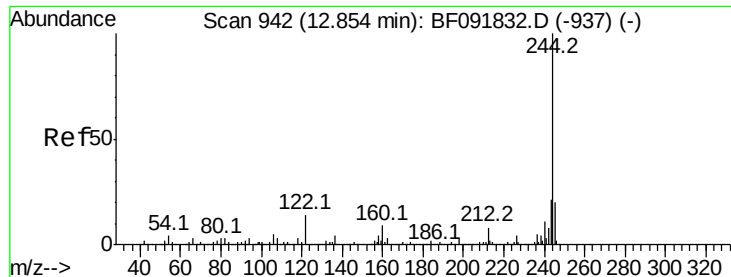


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 73.19 ng

RT: 12.75 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

Instrument :

BNA_F

ClientSampleId :

P3-SP6RE

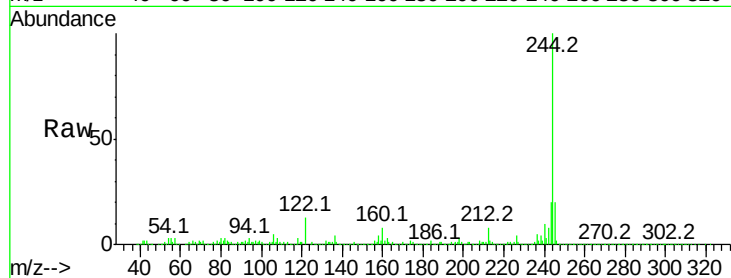
Tot Ion:244 Resp: 754780

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

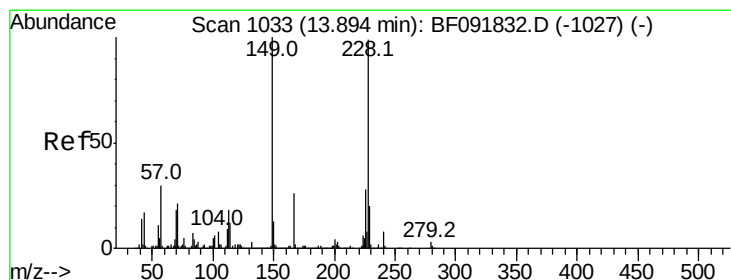
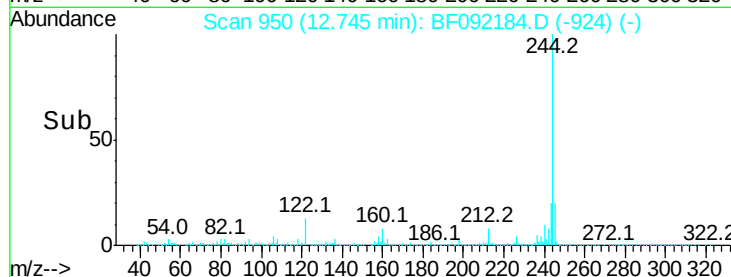
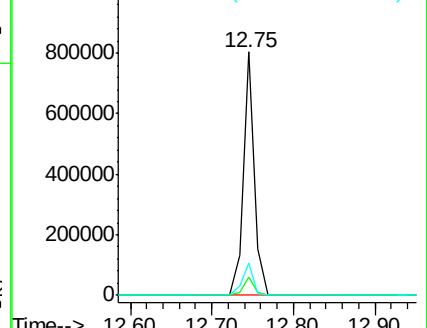
122 13.3 11.4 17.2



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: 7.66 ng m

RT: 13.79 min Scan# 1041

Delta R.T. 0.01 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

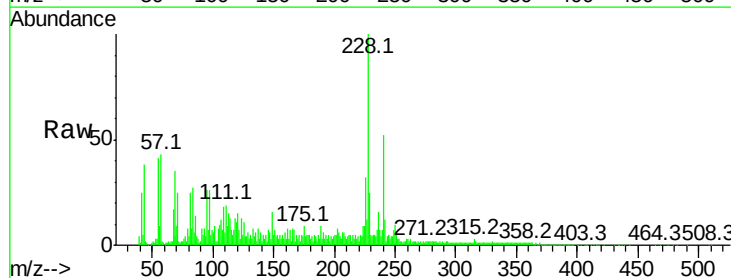
Tgt Ion:228 Resp: 108130

Ion Ratio Lower Upper

228 100

226 31.7 22.4 33.6

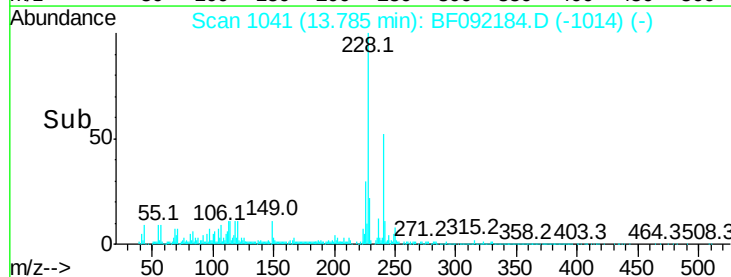
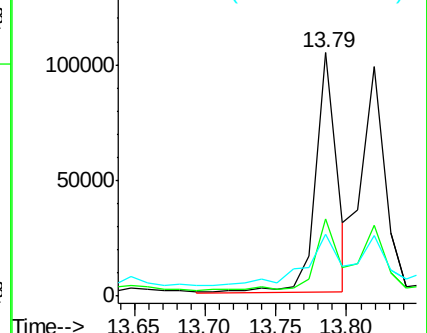
229 25.2 16.2 24.4#

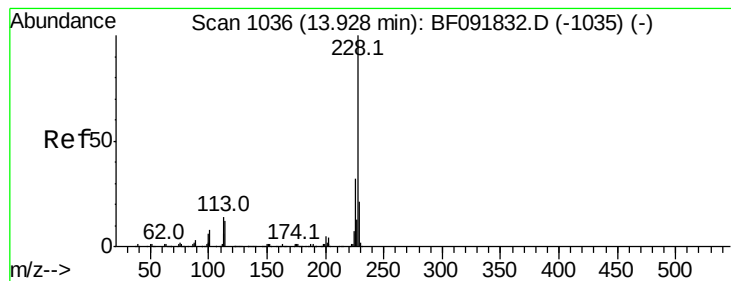


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.17 ng/mL

RT: 13.82 min Scan# 1044

Delta R.T. 0.01 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

Instrument :

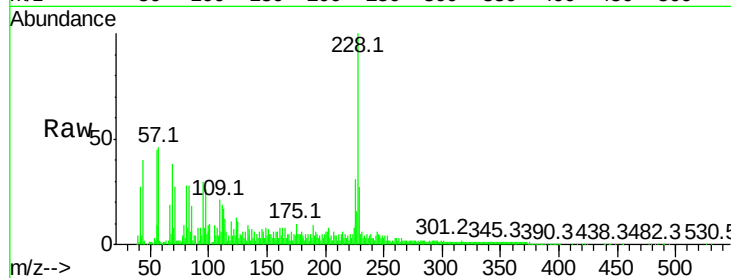
BNA_F

ClientSampleId :

P3-SP6RE

Tot Ion: 228 Resp: 115695

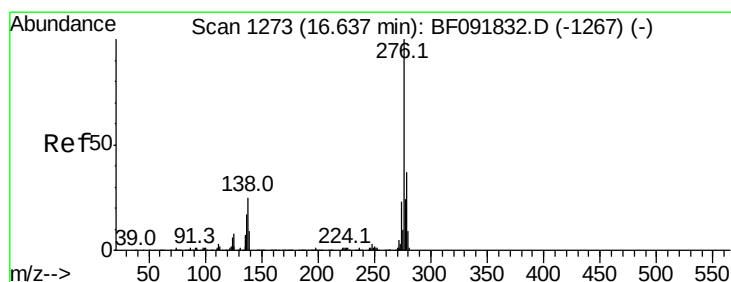
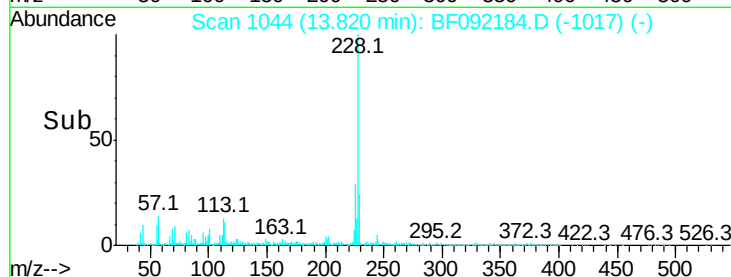
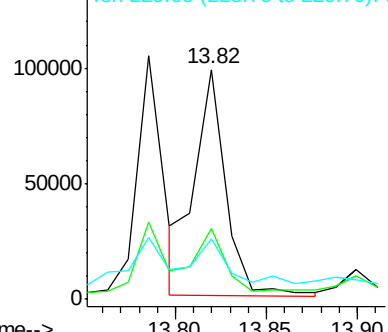
Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.0
229	26.6	16.2	24.2



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: 2.87 ng/mL

RT: 16.47 min Scan# 1276

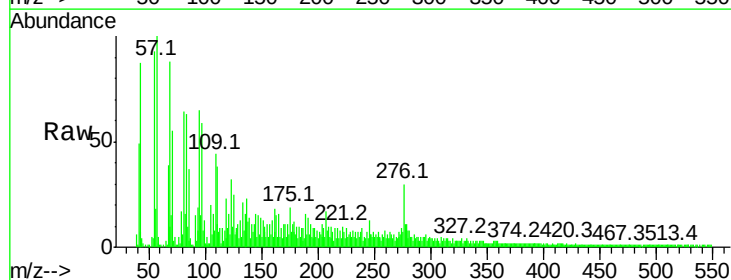
Delta R.T. 0.05 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

Tgt Ion: 276 Resp: 35171

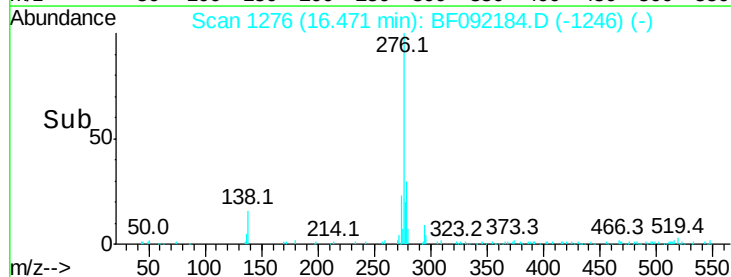
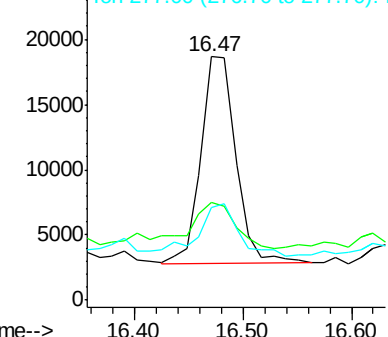
Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.8	32.6
277	27.8	20.2	30.4

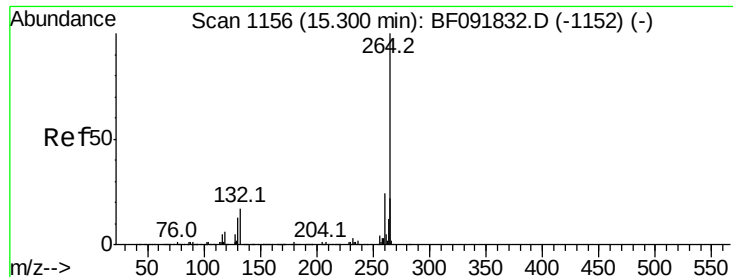


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

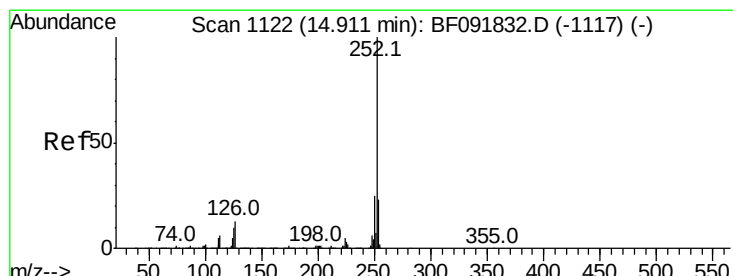
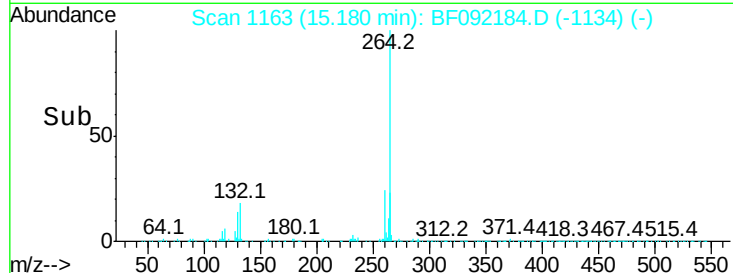
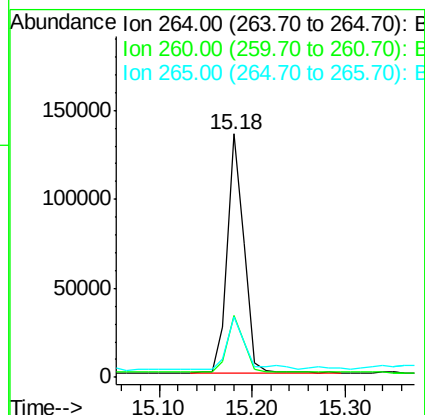
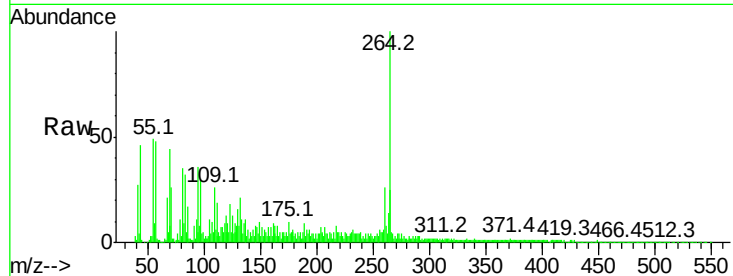




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1163
Delta R.T. 0.03 min
Lab File: BF092184.D
Acq: 10 Jan 2017 16:15

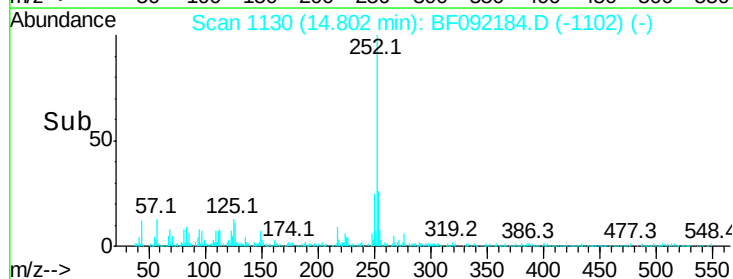
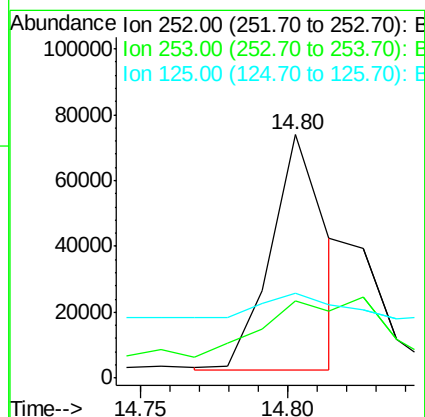
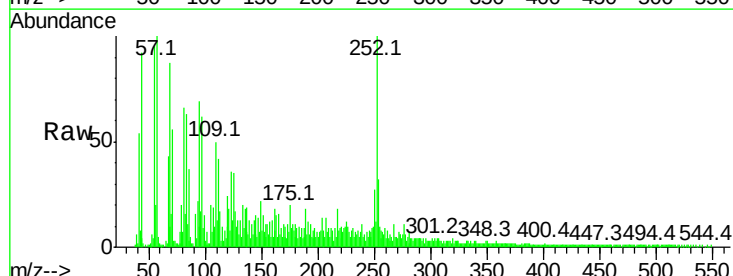
Instrument :
BNA_F
ClientSampleId :
P3-SP6RE

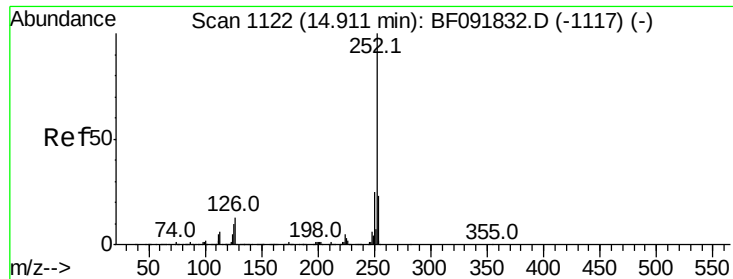
Tot Ion:264 Resp: 168137
Ion Ratio Lower Upper
264 100
260 25.7 19.2 28.8
265 25.1 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 9.00 ng m
RT: 14.80 min Scan# 1130
Delta R.T. 0.02 min
Lab File: BF092184.D
Acq: 10 Jan 2017 16:15

Tgt Ion:252 Resp: 94196
Ion Ratio Lower Upper
252 100
253 31.7 18.2 27.4#
125 35.1 9.8 14.6#





#88

Benzo(k)fluoranthene

Concen: 4.20 ng/mL

RT: 14.81 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

Instrument :

BNA_F

ClientSampleId :

P3-SP6RE

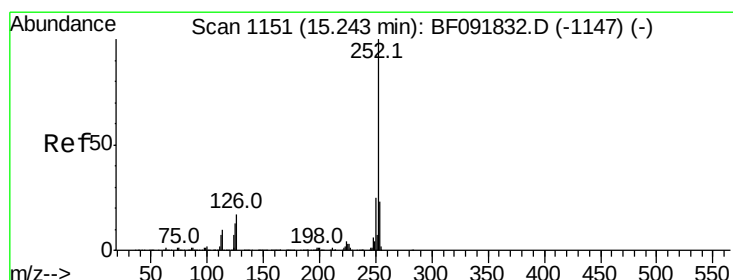
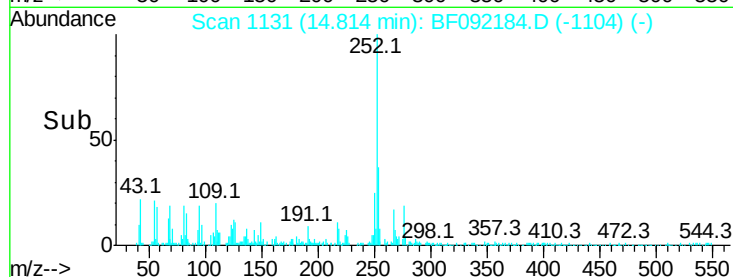
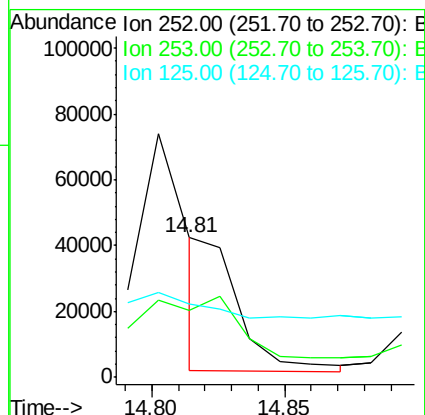
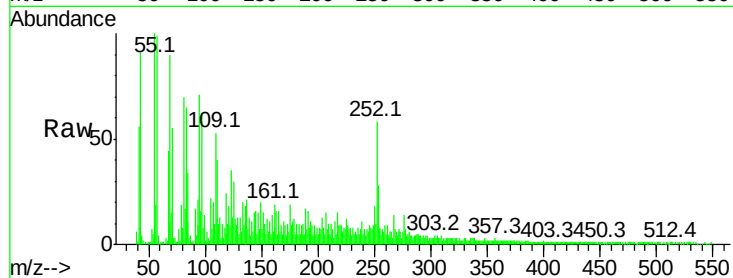
Tot Ion:252 Resp: 37472

Ion Ratio Lower Upper

252 100

253 47.6 18.5 27.7#

125 52.2 8.9 13.3#



#89

Benzo(a)pyrene

Concen: 6.84 ng/mL

RT: 15.12 min Scan# 1158

Delta R.T. 0.02 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

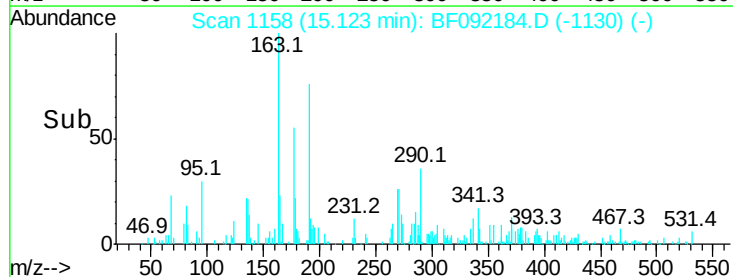
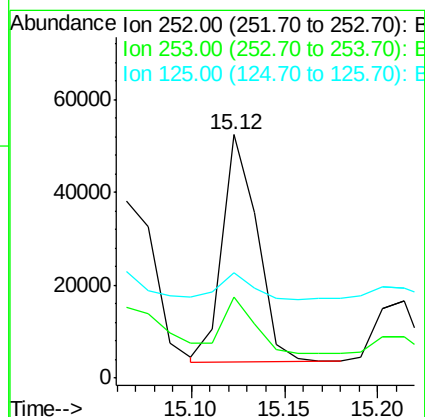
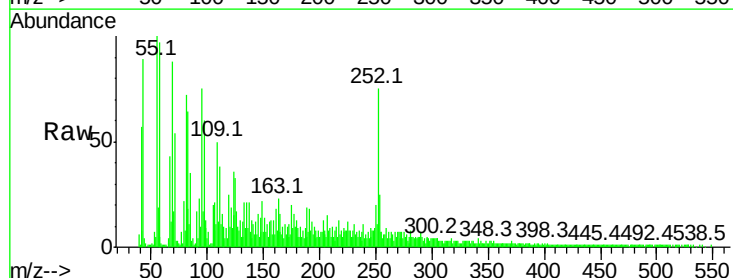
Tgt Ion:252 Resp: 63551

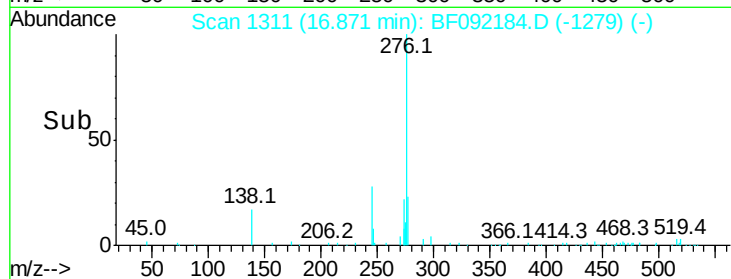
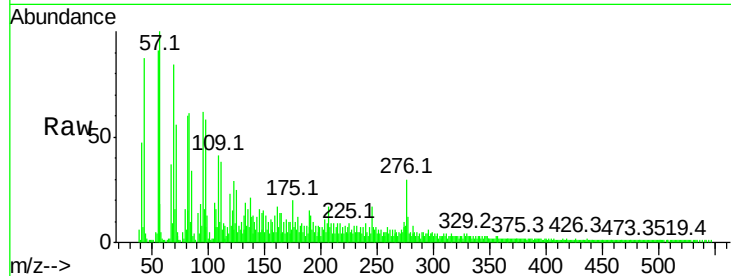
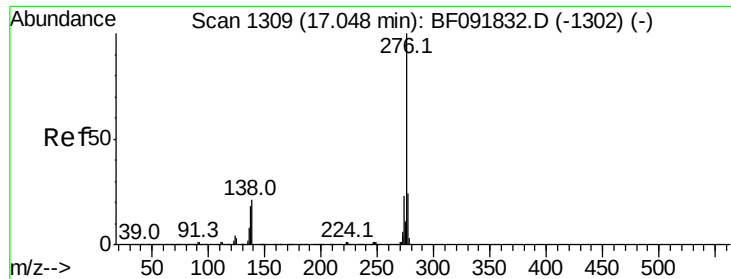
Ion Ratio Lower Upper

252 100

253 33.1 18.2 27.2#

125 43.3 10.0 15.0#





#91

Benzo(a,h,i)perylene

Concen: 4.17 ng

RT: 16.87 min Scan# 1311

Delta R.T. 0.07 min

Lab File: BF092184.D

Acq: 10 Jan 2017 16:15

Instrument :

BNA_F

ClientSampleId :

P3-SP6RE

Tot Ion:276 Resp: 33074

Ion Ratio Lower Upper

276 100

277 39.4 19.2 28.8#

138 40.2 16.0 24.0#

