

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011017\
 Data File : BF092185.D
 Acq On : 10 Jan 2017 16:42
 Operator : UM/SJ
 Sample : I1057-05RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP7RE

Quant Time: Jan 11 12:10:46 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

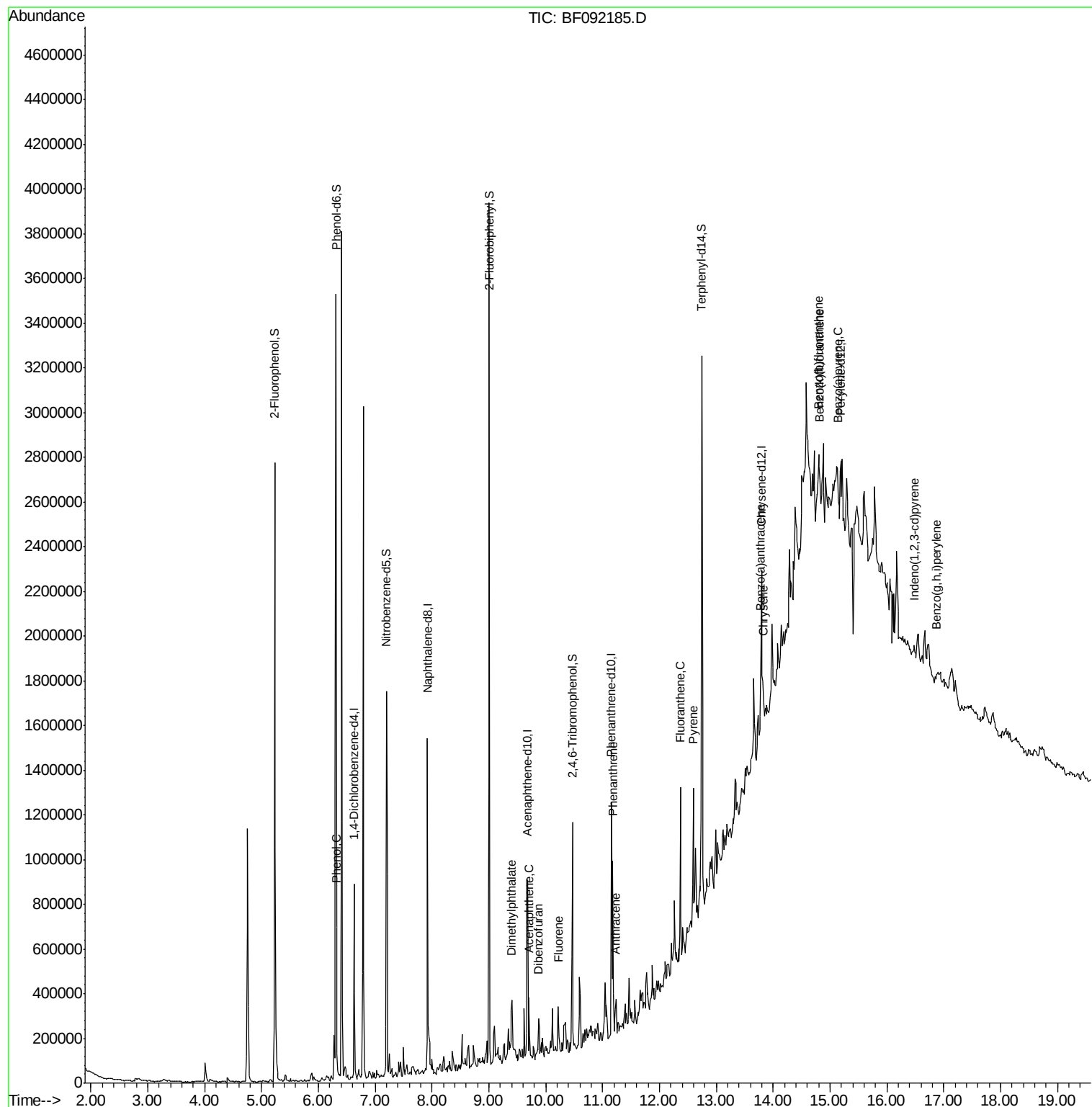
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	144981	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	579072	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	256707	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	378994	20.00	ng	0.00
75) Chrysene-d12	13.80	240	226452	20.00	ng	0.01
86) Perylene-d12	15.19	264	161236	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	886550	102.10	ng	0.00
7) Phenol-d6	6.31	99	1301364	122.76	ng	0.00
23) Nitrobenzene-d5	7.20	82	699517	67.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	127210	59.88	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	1214690	99.09	ng	0.00
78) Terphenyl-d14	12.75	244	841626	90.14	ng	0.00
Target Compounds						
10) Phenol	6.32	94	87638	7.25	ng	Qvalue # 73
49) Dimethylphthalate	9.41	163	108873	6.63	ng	99
51) Acenaphthene	9.70	154	58959	4.06	ng	97
54) Dibenzofuran	9.88	168	52151	2.66	ng	# 95
57) Fluorene	10.22	166	54099	3.79	ng	# 93
70) Phenanthrene	11.18	178	298030	14.50	ng	98
71) Anthracene	11.24	178	66385	2.25	ng	97
74) Fluoranthene	12.37	202	305069	14.31	ng	98
77) Pyrene	12.60	202	277170	16.68	ng	98
80) Benzo(a)anthracene	13.79	228	114524	8.96	ng	# 91
82) Chrysene	13.82	228	87853m	6.85	ng	
85) Indeno(1,2,3-cd)pyrene	16.48	276	29182	2.63	ng	# 95
87) Benzo(b)fluoranthene	14.80	252	85593m	8.53	ng	
88) Benzo(k)fluoranthene	14.81	252	37542m	4.39	ng	
89) Benzo(a)pyrene	15.13	252	59574	6.69	ng	# 52
91) Benzo(g,h,i)perylene	16.88	276	29803	3.91	ng	# 53

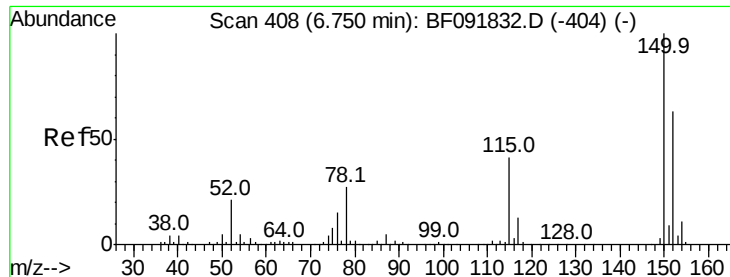
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF092185.D

Acq: 10 Jan 2017 16:42

Instrument :

BNA_F

ClientSampleId :

P3-SP7RE

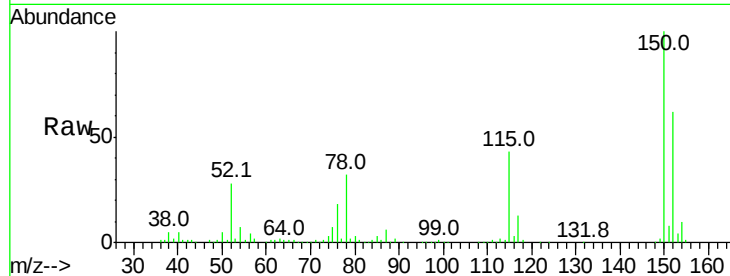
Tot Ion:152 Resp: 144981

Ion Ratio Lower Upper

152 100

150 161.1 124.9 187.3

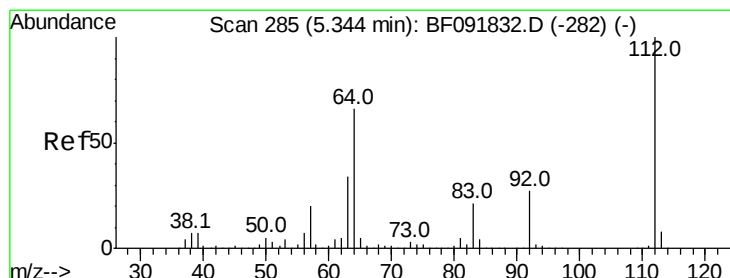
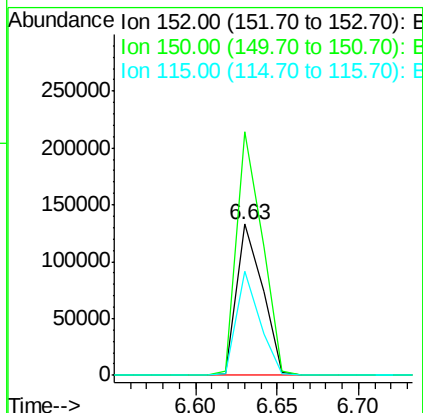
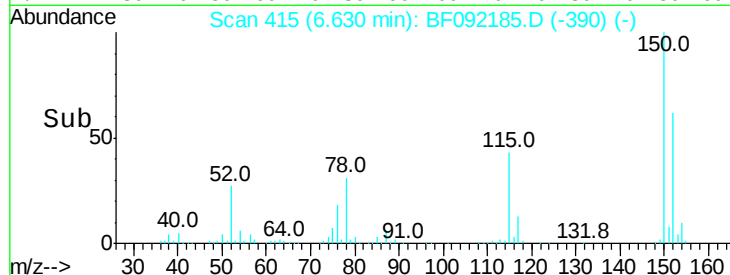
115 69.0 46.0 69.0#



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: 102.10 ng

RT: 5.24 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF092185.D

Acq: 10 Jan 2017 16:42

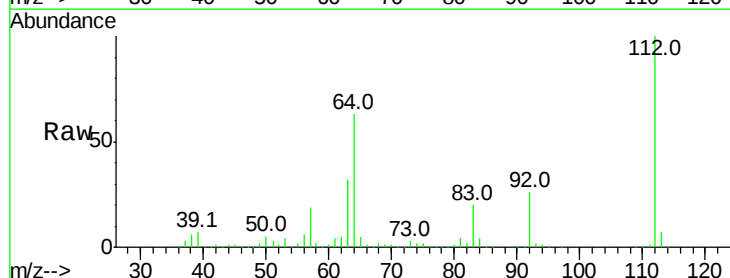
Tgt Ion:112 Resp: 886550

Ion Ratio Lower Upper

112 100

64 63.2 46.1 69.1

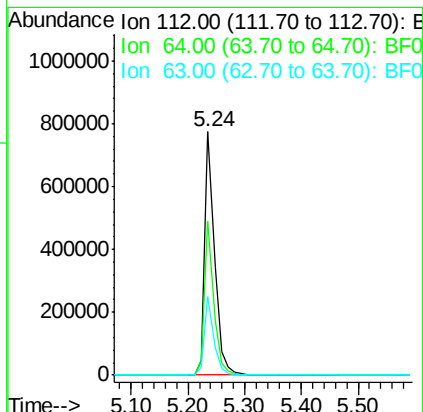
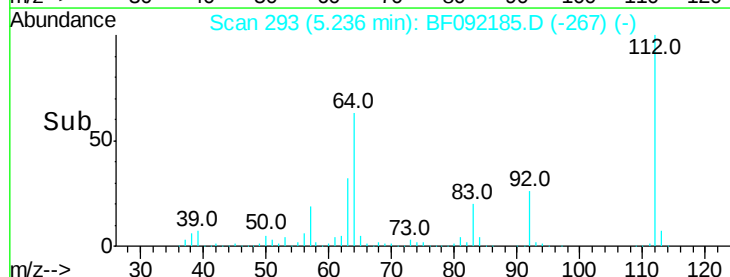
63 32.3 23.8 35.6

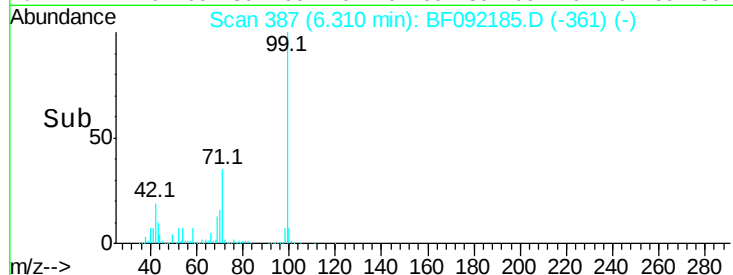
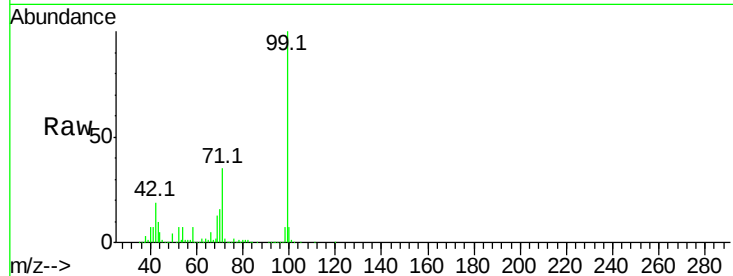


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.76 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092185.D

Acq: 10 Jan 2017 16:42

Instrument :

BNA_F

ClientSampleId :

P3-SP7RE

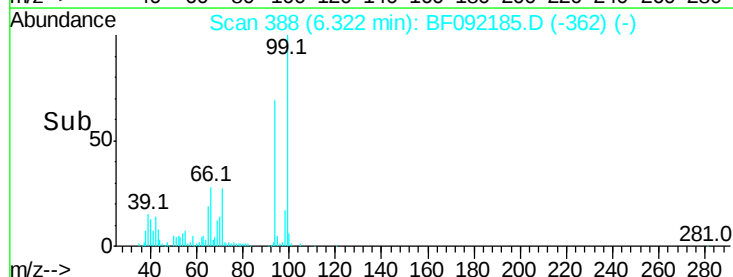
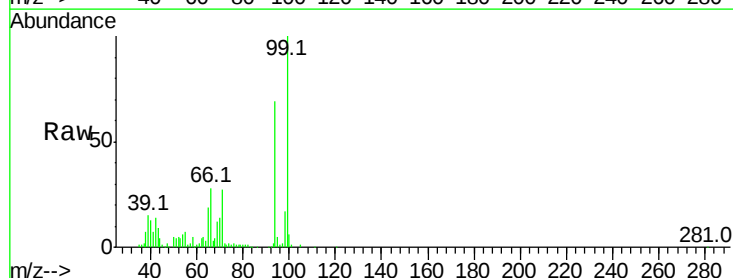
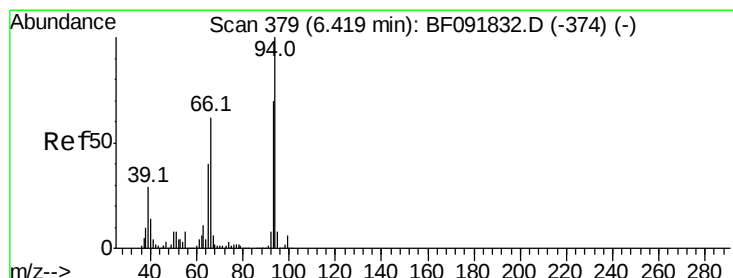
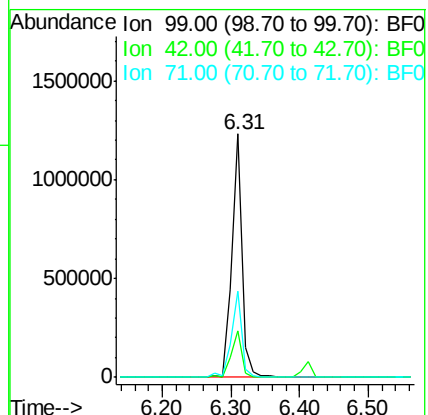
Tot Ion: 99 Resp: 1301364

Ion Ratio Lower Upper

99 100

42 19.3 15.6 23.4

71 35.3 27.5 41.3



#10

Phenol

Concen: 7.25 ng

RT: 6.32 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF092185.D

Acq: 10 Jan 2017 16:42

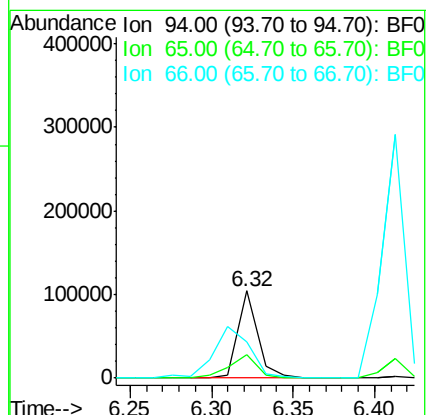
Tgt Ion: 94 Resp: 87638

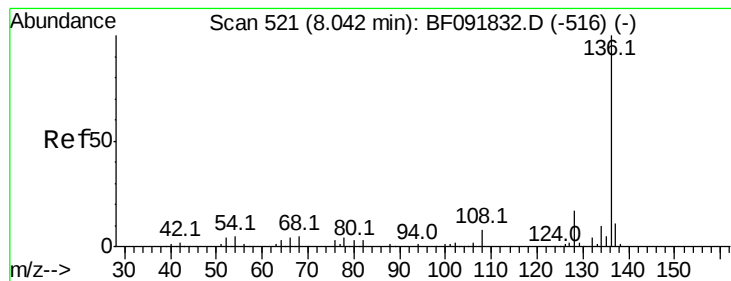
Ion Ratio Lower Upper

94 100

65 27.2 21.4 61.4

66 41.0 44.0 84.0#

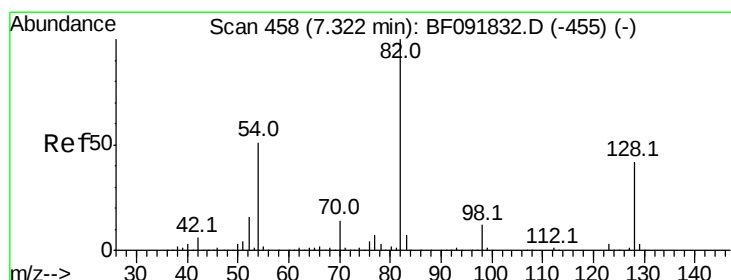
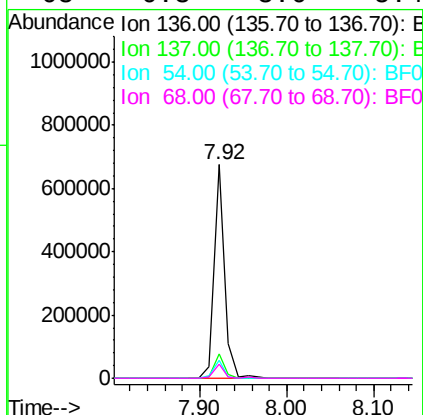
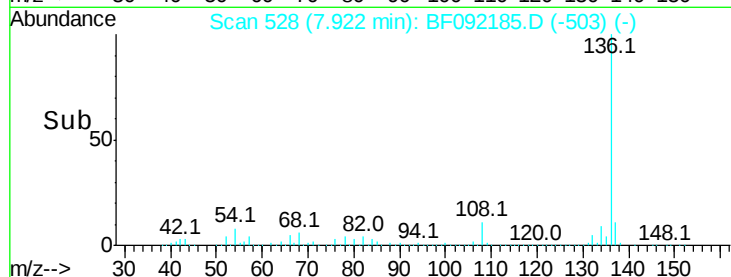
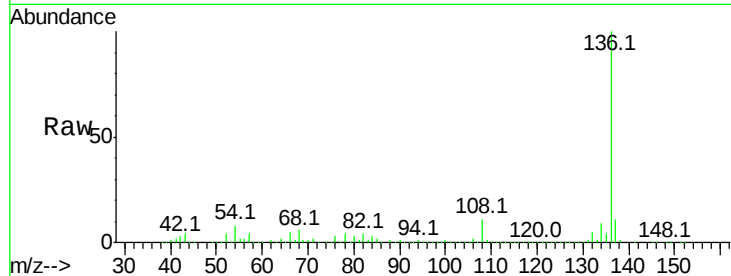




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF092185.D
Acq: 10 Jan 2017 16:42

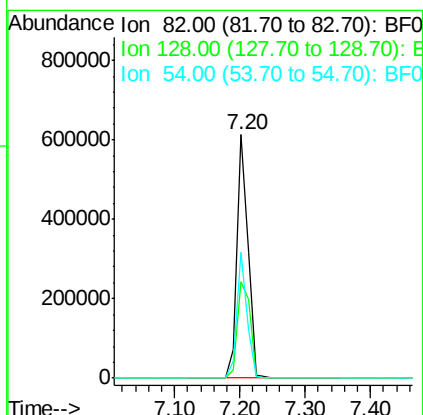
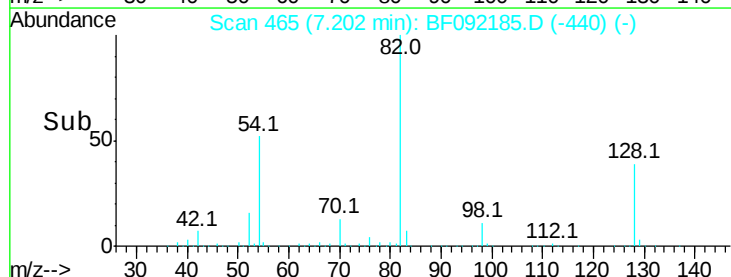
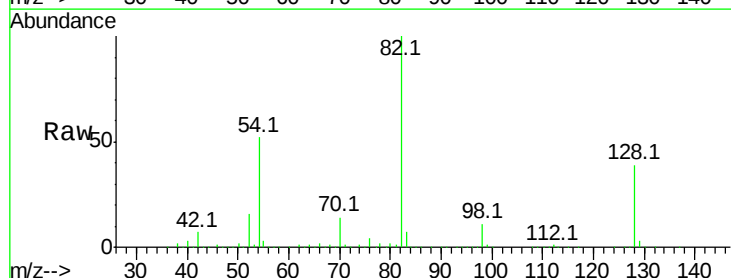
Instrument :
BNA_F
ClientSampleId :
P3-SP7RE

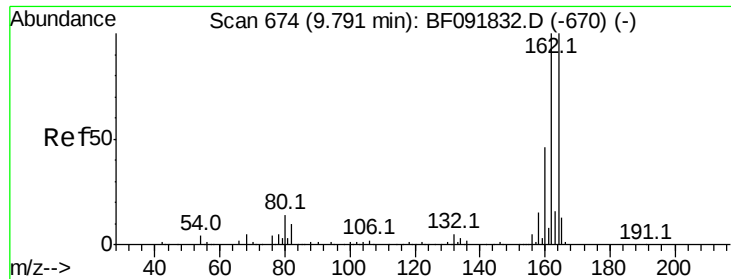
Tot Ion:	136	Resp:	579072
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	8.3	4.5	6.7#
68	6.3	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 67.17 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF092185.D
Acq: 10 Jan 2017 16:42

Tgt Ion:	82	Resp:	699517
Ion	Ratio	Lower	Upper
82	100		
128	39.4	34.6	52.0
54	51.8	39.5	59.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF092185.D

Acq: 10 Jan 2017 16:42

Instrument :

BNA_F

ClientSampled :

P3-SP7RE

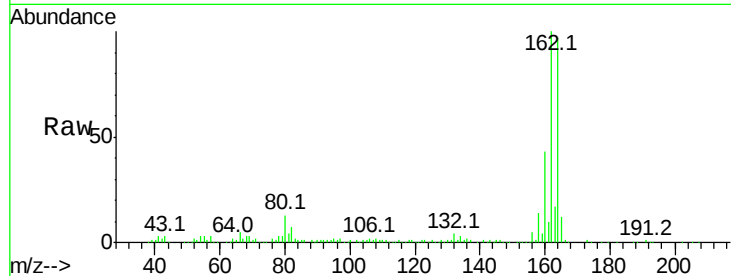
Tot Ion:164 Resp: 256707

Ion Ratio Lower Upper

164 100

162 102.8 80.2 120.2

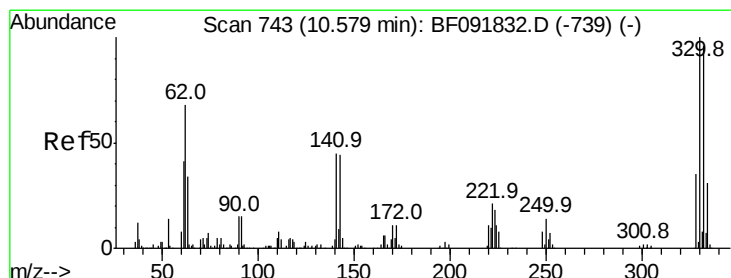
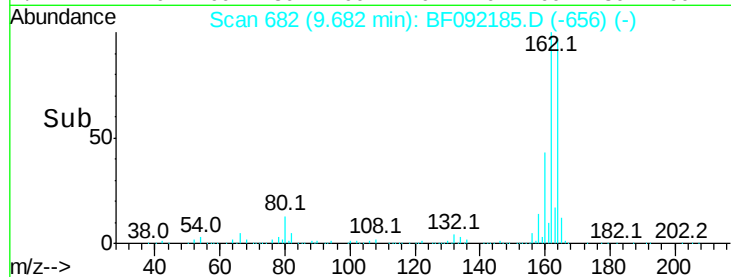
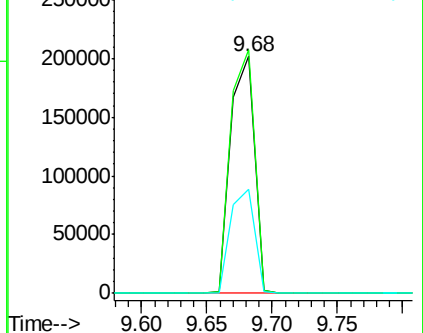
160 44.2 36.9 55.3



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: 59.88 ng

RT: 10.47 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF092185.D

Acq: 10 Jan 2017 16:42

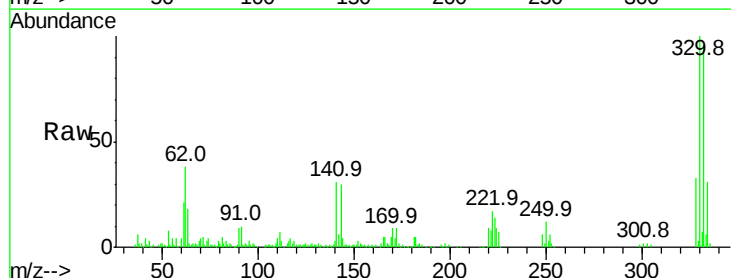
Tgt Ion:330 Resp: 127210

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.2

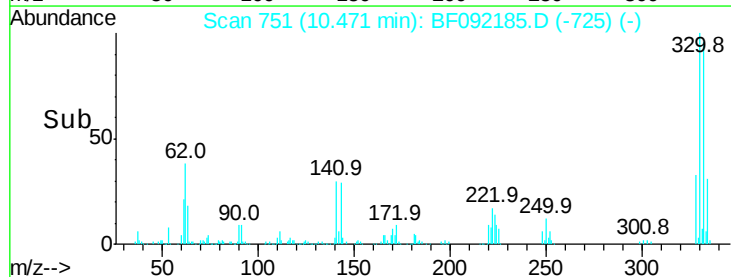
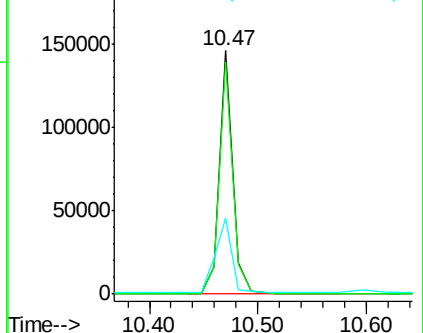
141 38.0 34.1 51.1

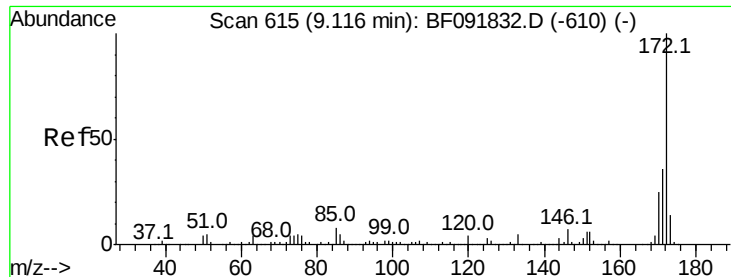


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



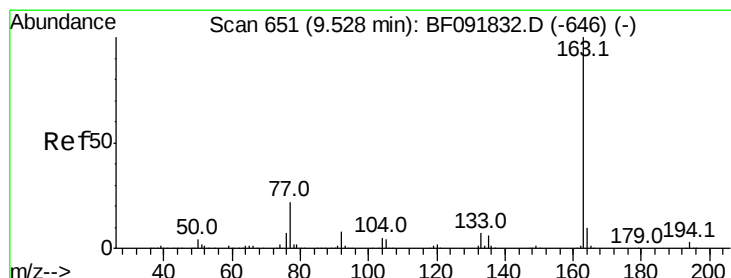
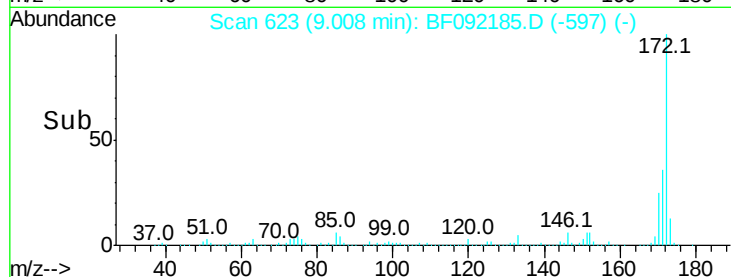
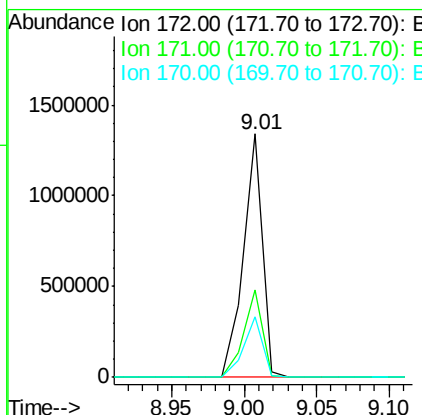
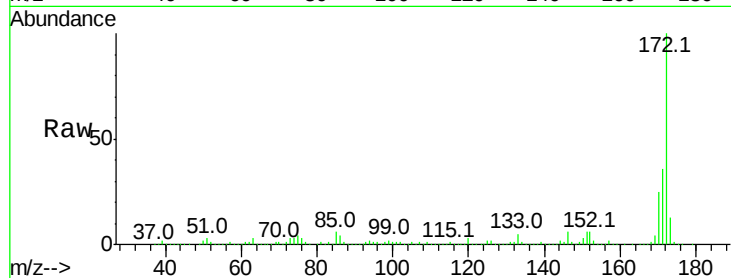


#44
 2-Fluorobiphenyl
 Concen: 99.09 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092185.D
 Acq: 10 Jan 2017 16:42

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP7RE

Tot Ion:172 Resp: 1214690

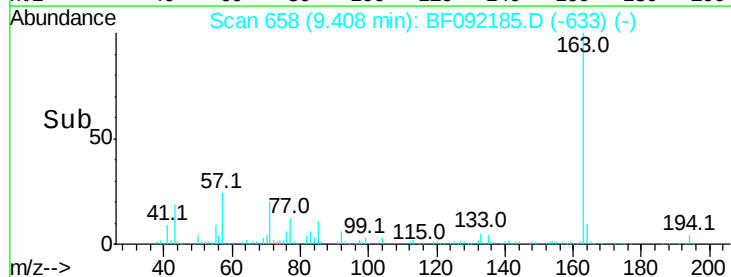
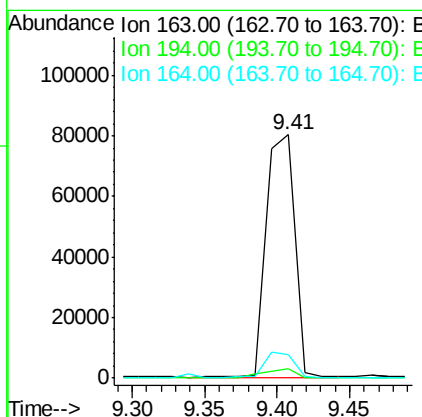
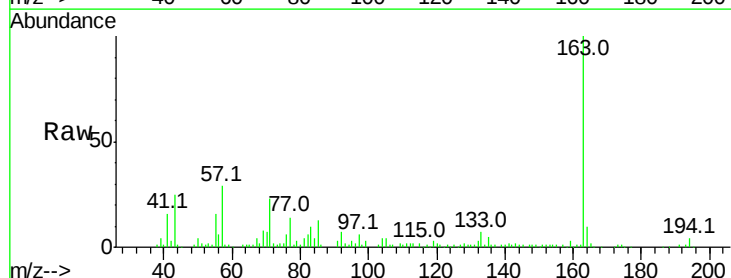
Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.0
170	24.7	20.2	30.4

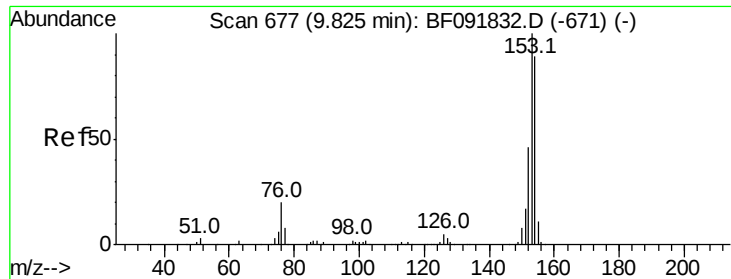


#49
 Dimethylphthalate
 Concen: 6.63 ng
 RT: 9.41 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF092185.D
 Acq: 10 Jan 2017 16:42

Tgt Ion:163 Resp: 108873

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.4
164	9.8	8.0	12.0





#51

Acenaphthene

Concen: 4.06 ng

RT: 9.70 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF092185.D

Acq: 10 Jan 2017 16:42

Instrument :

BNA_F

ClientSampleId :

P3-SP7RE

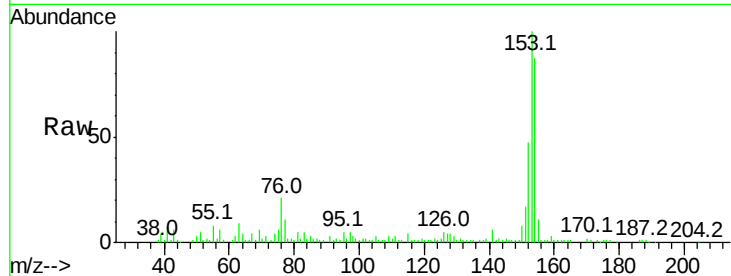
Tot Ion:154 Resp: 58959

Ion Ratio Lower Upper

154 100

153 114.8 88.6 133.0

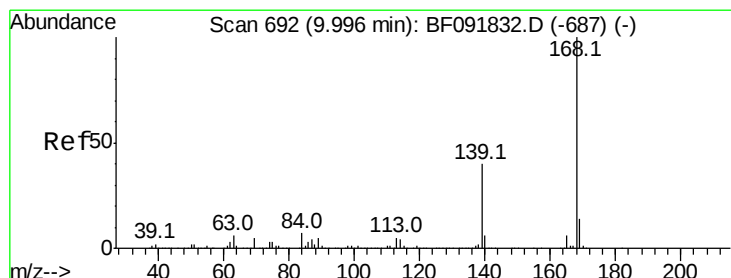
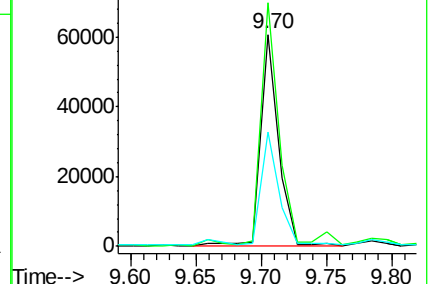
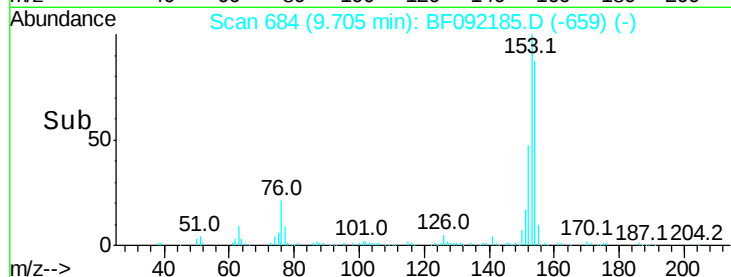
152 53.9 41.6 62.4



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



#54

Dibenzofuran

Concen: 2.66 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF092185.D

Acq: 10 Jan 2017 16:42

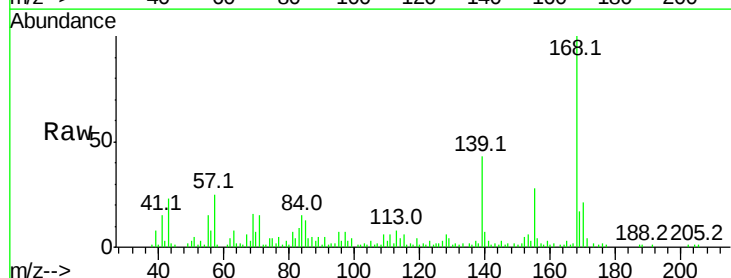
Tgt Ion:168 Resp: 52151

Ion Ratio Lower Upper

168 100

139 43.1 32.6 49.0

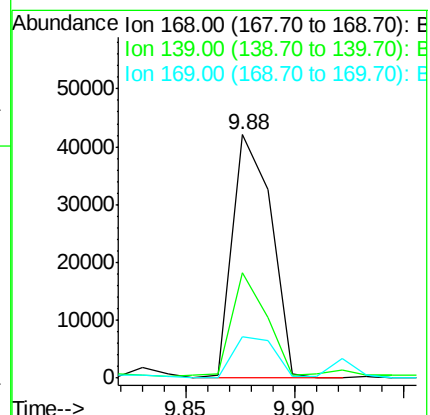
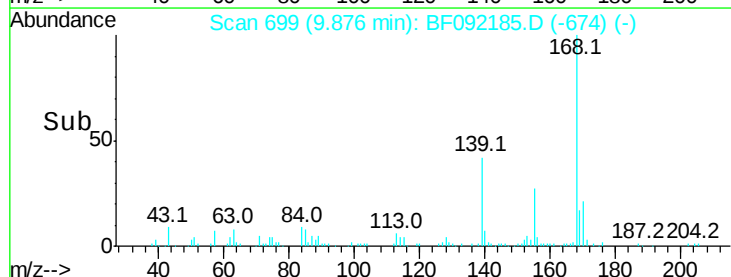
169 17.1 11.3 16.9#

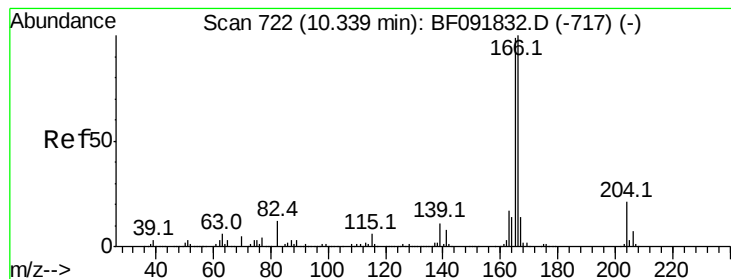


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 3.79 ng

RT: 10.22 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF092185.D

Acq: 10 Jan 2017 16:42

Instrument :

BNA_F

ClientSampleId :

P3-SP7RE

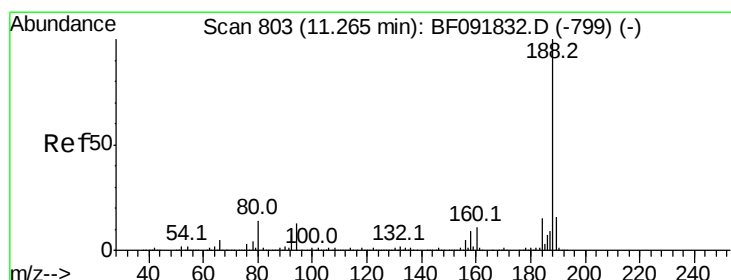
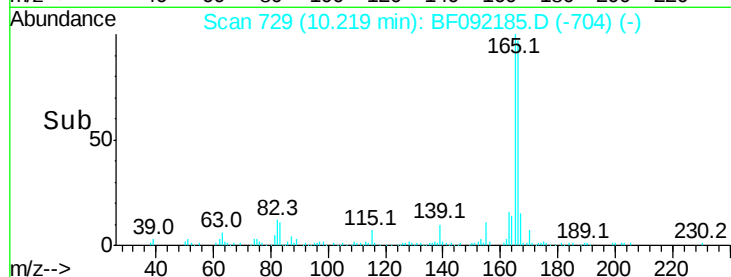
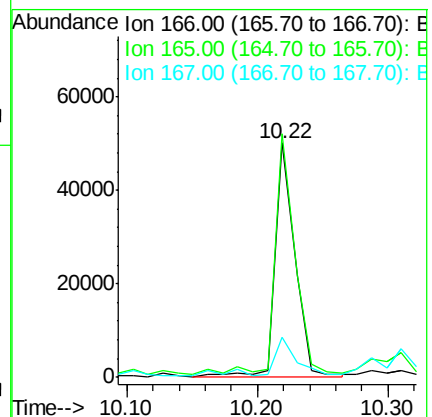
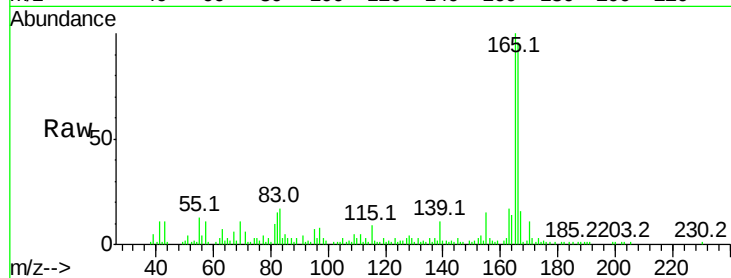
Tot Ion:166 Resp: 54099

Ion Ratio Lower Upper

166 100

165 103.8 77.8 116.8

167 16.9 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: BF092185.D

Acq: 10 Jan 2017 16:42

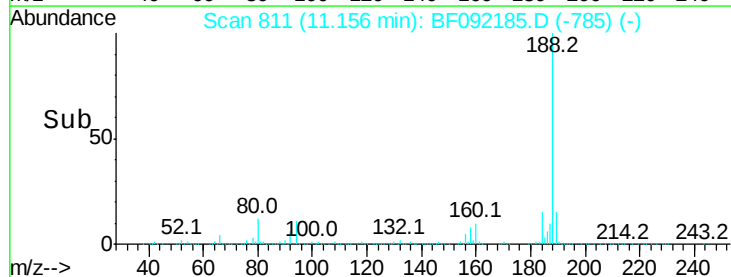
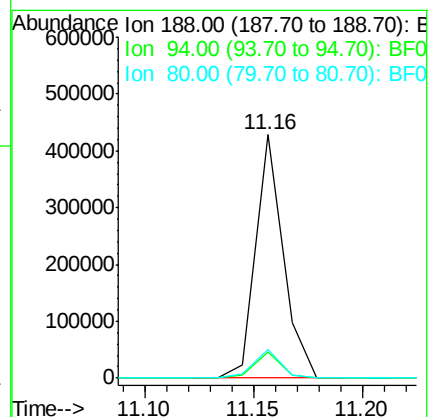
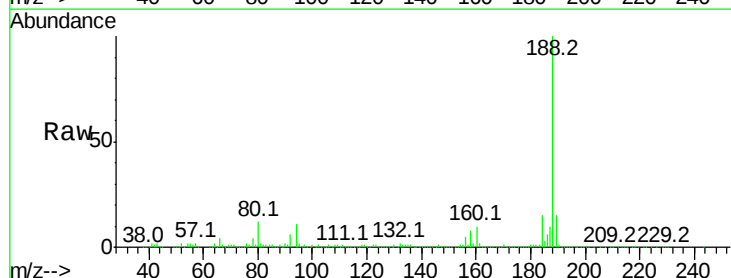
Tgt Ion:188 Resp: 378994

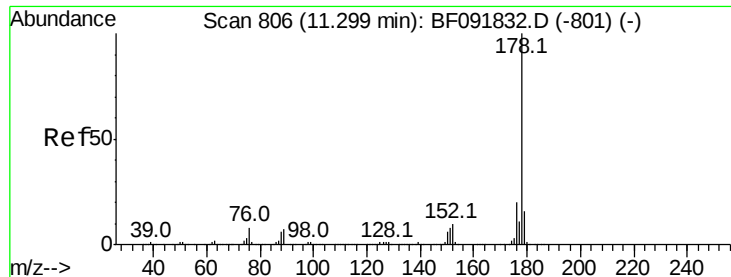
Ion Ratio Lower Upper

188 100

94 10.9 10.0 15.0

80 11.8 11.2 16.8





#70

Phenanthrene

Concen: 14.50 ng

RT: 11.18 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF092185.D

Acq: 10 Jan 2017 16:42

Instrument :

BNA_F

ClientSampleId :

P3-SP7RE

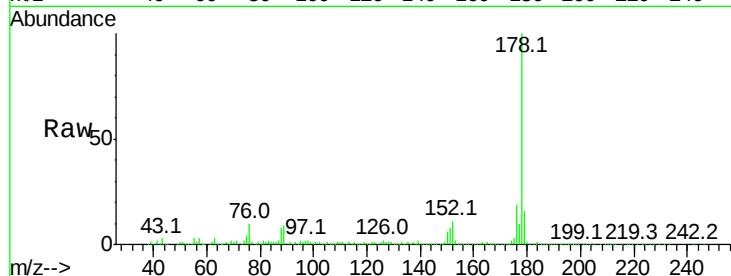
Tot Ion:178 Resp: 298030

Ion Ratio Lower Upper

178 100

176 19.4 16.6 25.0

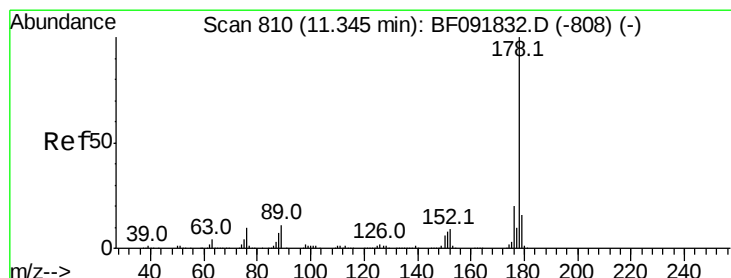
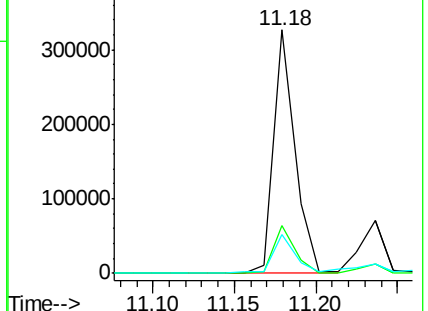
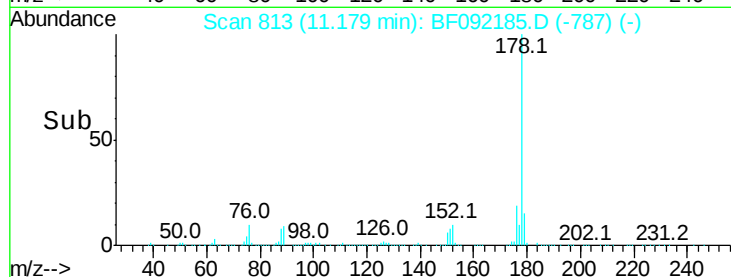
179 15.8 12.8 19.2



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: 2.25 ng

RT: 11.24 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF092185.D

Acq: 10 Jan 2017 16:42

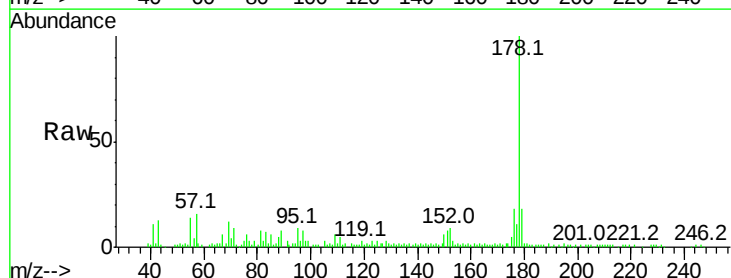
Tgt Ion:178 Resp: 66385

Ion Ratio Lower Upper

178 100

176 18.3 15.9 23.9

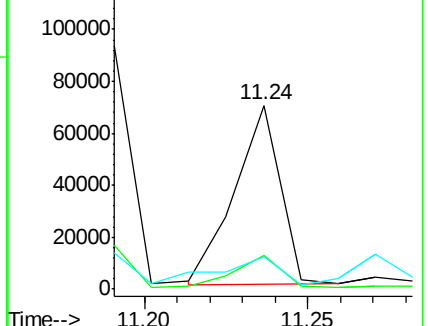
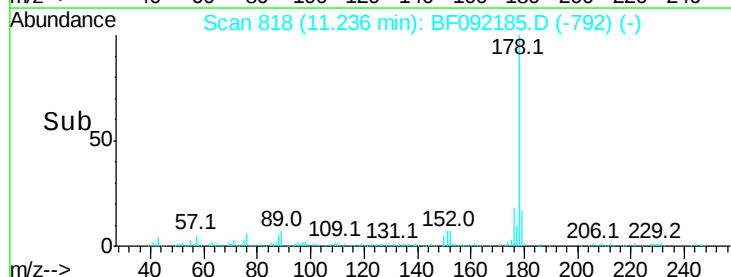
179 17.6 13.2 19.8

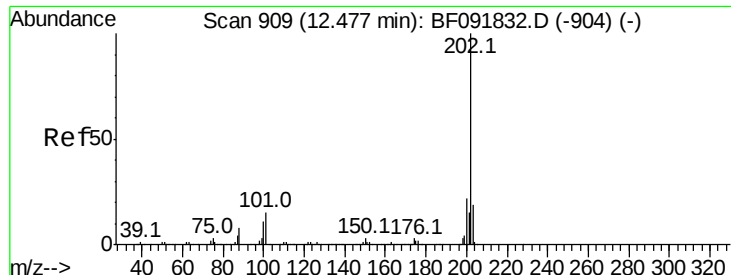


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 14.31 ng

RT: 12.37 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF092185.D

Acq: 10 Jan 2017 16:42

Instrument :

BNA_F

ClientSampleId :

P3-SP7RE

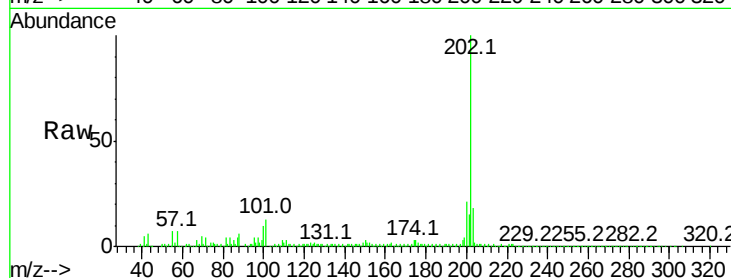
Tot Ion:202 Resp: 305069

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.6

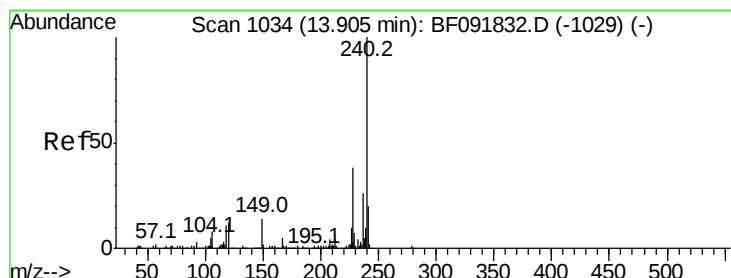
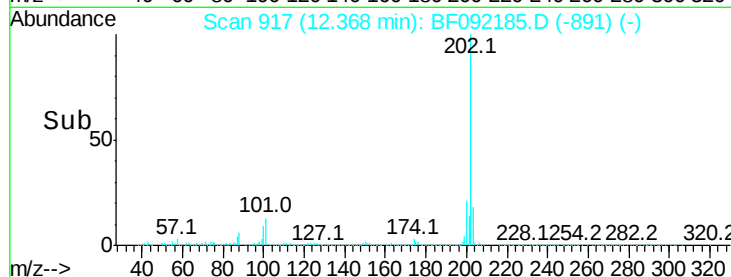
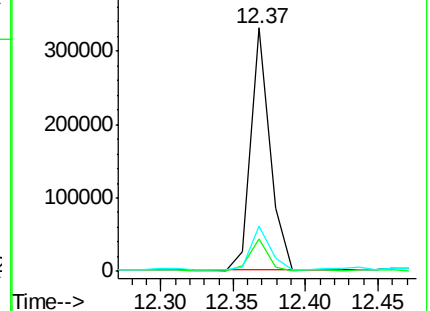
203 18.5 0.0 38.7



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: BF092185.D

Acq: 10 Jan 2017 16:42

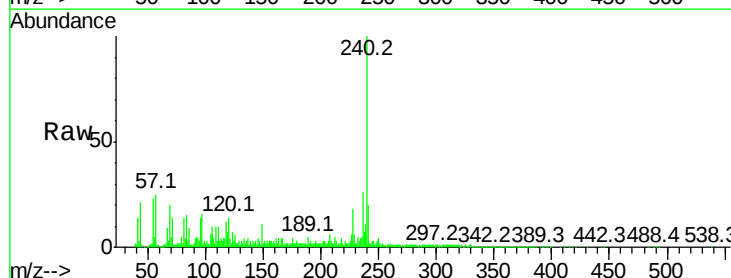
Tgt Ion:240 Resp: 226452

Ion Ratio Lower Upper

240 100

120 14.3 12.9 19.3

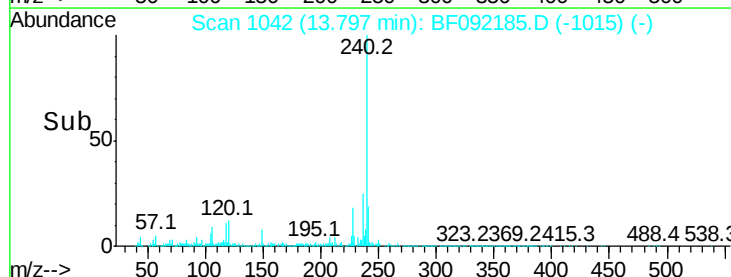
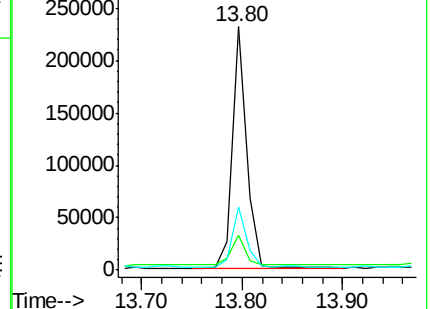
236 26.1 20.9 31.3

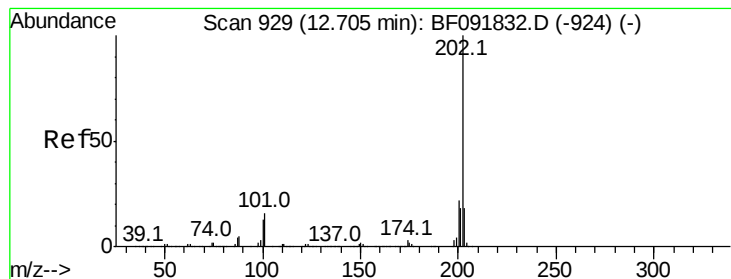


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 16.68 ng

RT: 12.60 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF092185.D

Acq: 10 Jan 2017 16:42

Instrument :

BNA_F

ClientSampleId :

P3-SP7RE

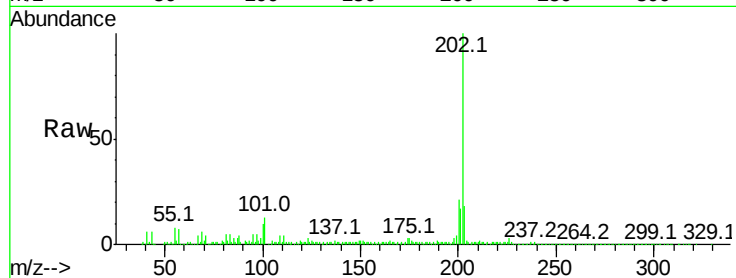
Tot Ion:202 Resp: 277170

Ion Ratio Lower Upper

202 100

200 20.7 17.7 26.5

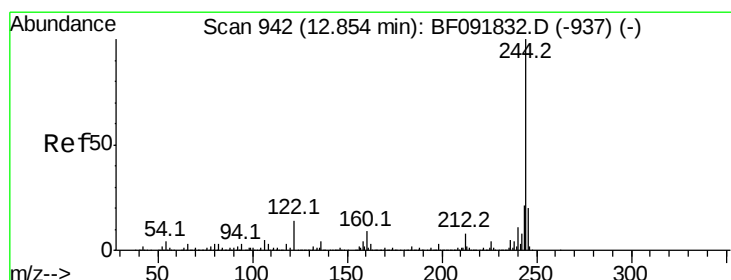
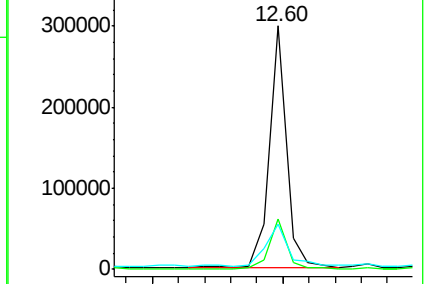
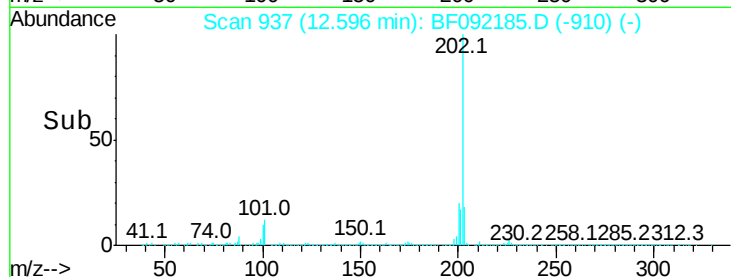
203 18.5 14.7 22.1



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: 90.14 ng

RT: 12.75 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF092185.D

Acq: 10 Jan 2017 16:42

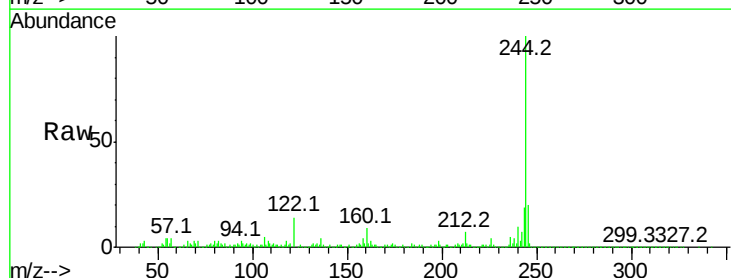
Tgt Ion:244 Resp: 841626

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

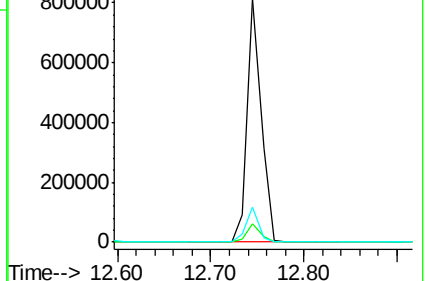
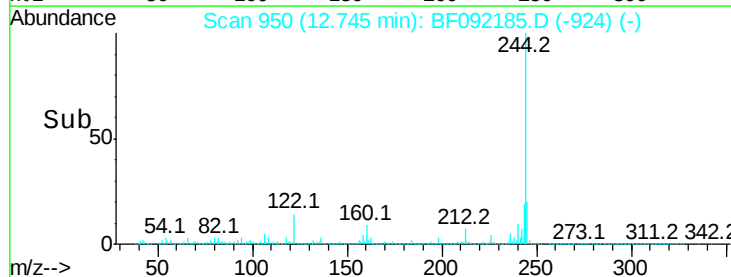
122 14.3 11.4 17.2

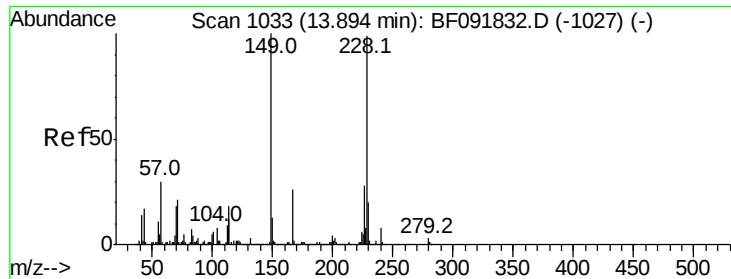


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

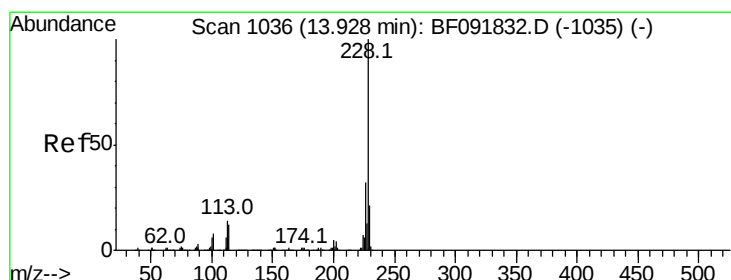
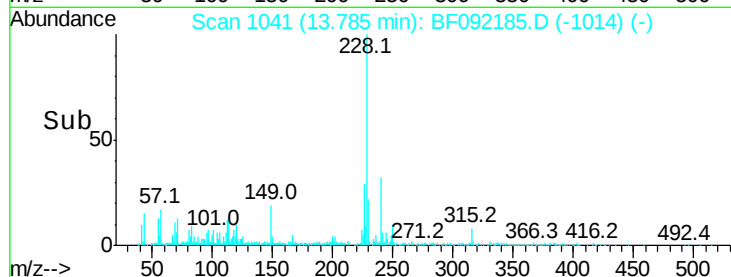
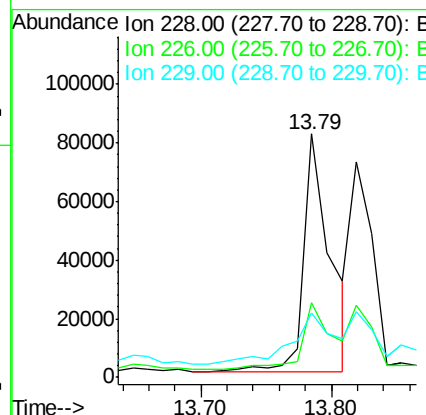
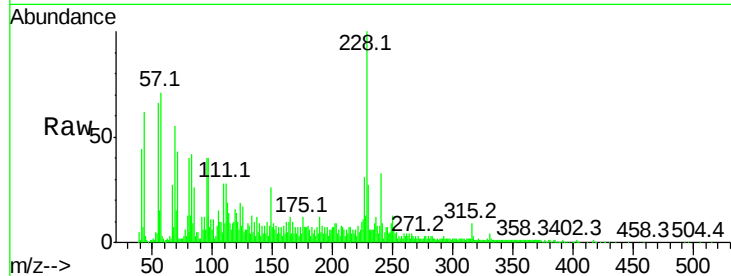




#80
Benzo(a)anthracene
Concen: 8.96 ng
RT: 13.79 min Scan# 1041
Delta R.T. 0.01 min
Lab File: BF092185.D
Acq: 10 Jan 2017 16:42

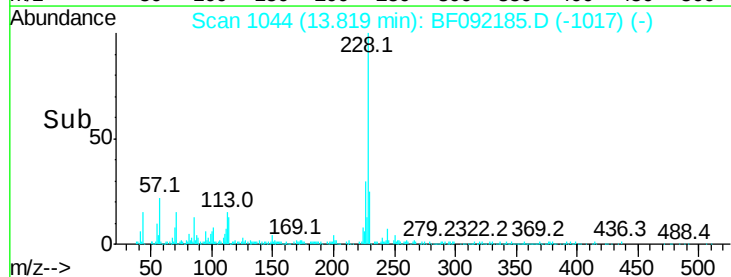
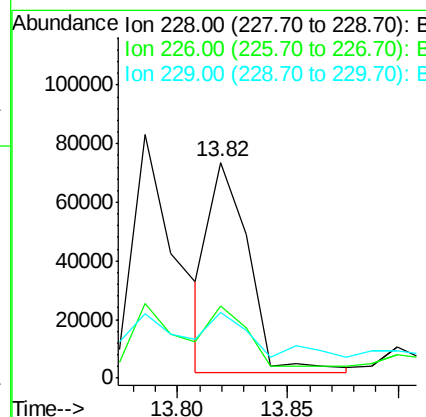
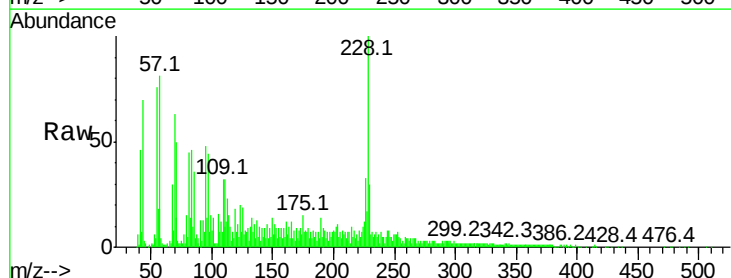
Instrument :
BNA_F
ClientSampleId :
P3-SP7RE

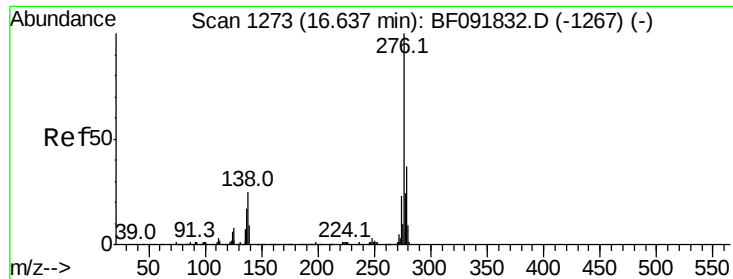
Tot Ion:228 Resp: 114524
Ion Ratio Lower Upper
228 100
226 30.8 22.4 33.6
229 26.5 16.2 24.4#



#82
Chrysene
Concen: 6.85 ng m
RT: 13.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: BF092185.D
Acq: 10 Jan 2017 16:42

Tgt Ion:228 Resp: 87853
Ion Ratio Lower Upper
228 100
226 33.2 25.4 38.0
229 30.4 16.2 24.2#

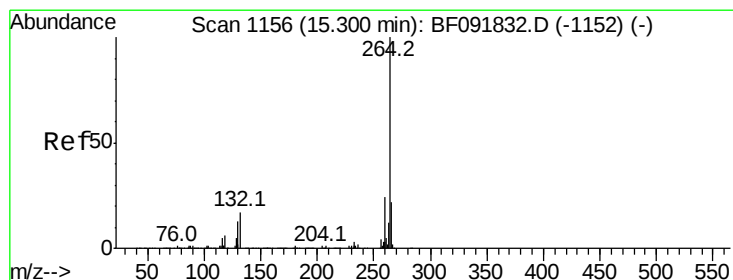
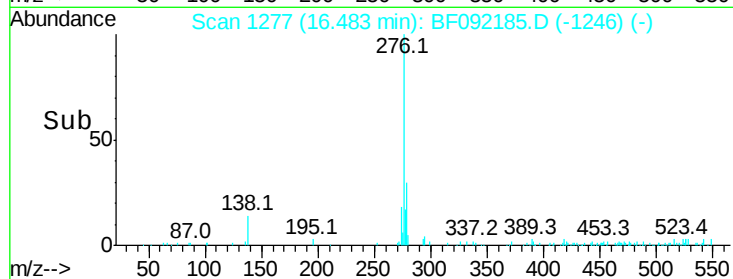
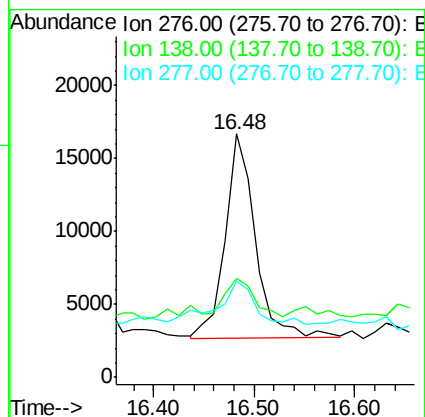
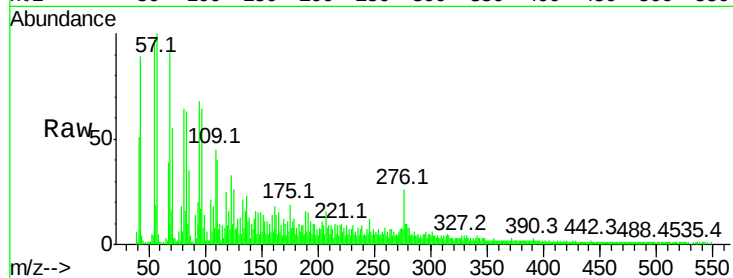




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.63 ng
RT: 16.48 min Scan# 1277
Delta R.T. 0.06 min
Lab File: BF092185.D
Acq: 10 Jan 2017 16:42

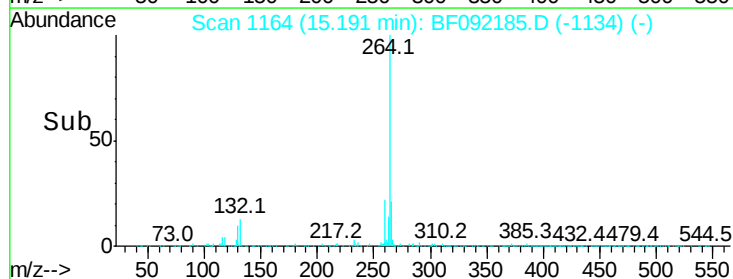
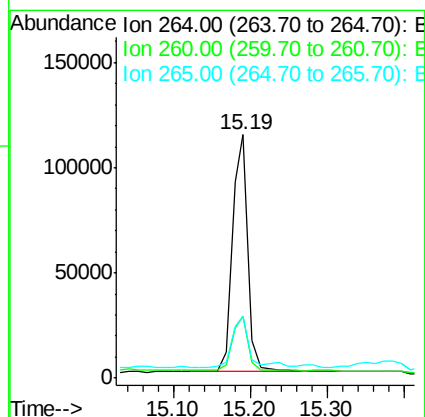
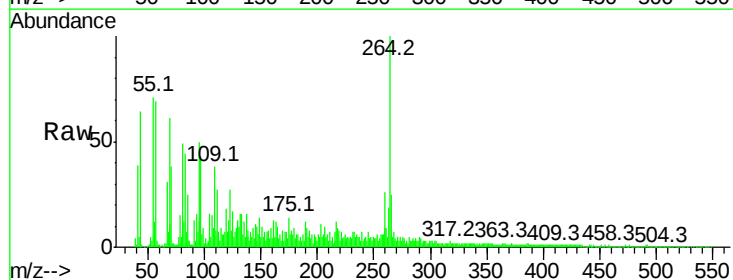
Instrument :
BNA_F
ClientSampleId :
P3-SP7RE

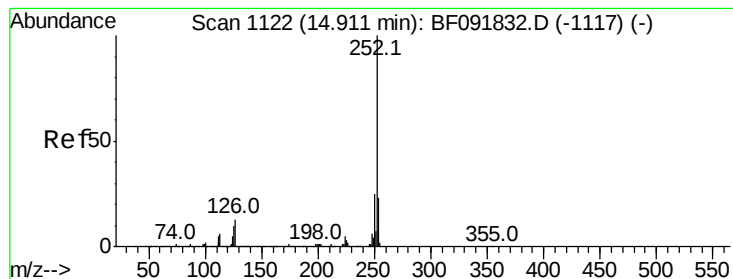
Tot Ion:276 Resp: 29182
Ion Ratio Lower Upper
276 100
138 27.5 21.8 32.6
277 30.6 20.2 30.4#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1164
Delta R.T. 0.05 min
Lab File: BF092185.D
Acq: 10 Jan 2017 16:42

Tgt Ion:264 Resp: 161236
Ion Ratio Lower Upper
264 100
260 25.6 19.2 28.8
265 25.2 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 8.53 ng m

RT: 14.80 min Scan# 1130

Delta R.T. 0.02 min

Lab File: BF092185.D

Acq: 10 Jan 2017 16:42

Instrument :

BNA_F

ClientSampleId :

P3-SP7RE

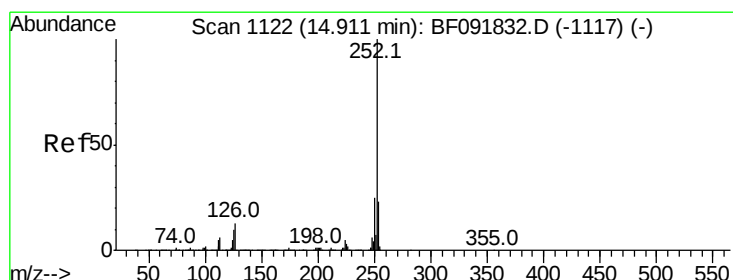
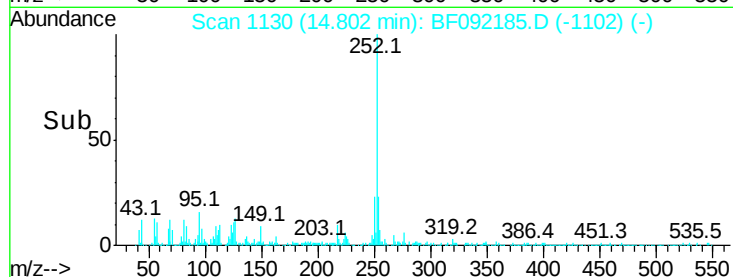
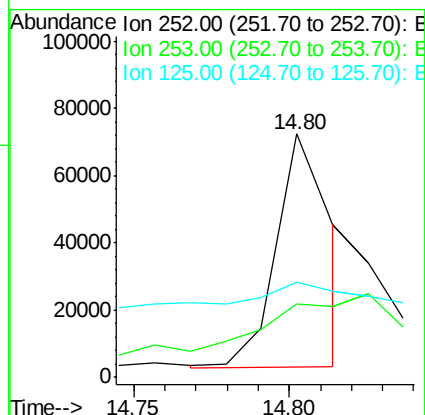
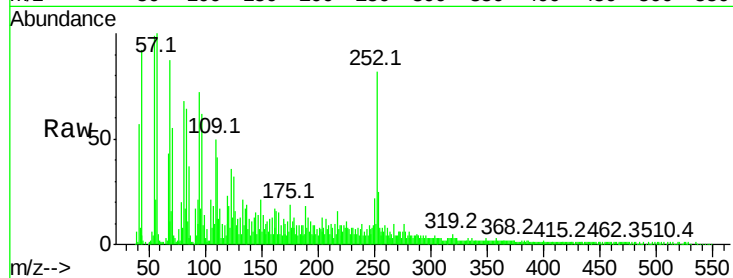
Tot Ion:252 Resp: 85593

Ion Ratio Lower Upper

252 100

253 30.0 18.2 27.4#

125 39.3 9.8 14.6#



#88

Benzo(k)fluoranthene

Concen: 4.39 ng m

RT: 14.81 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BF092185.D

Acq: 10 Jan 2017 16:42

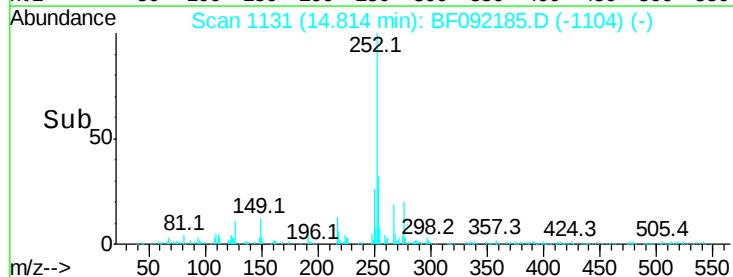
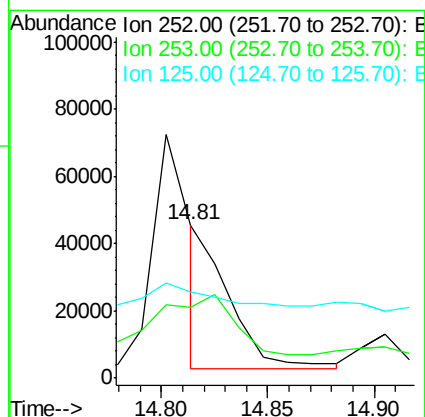
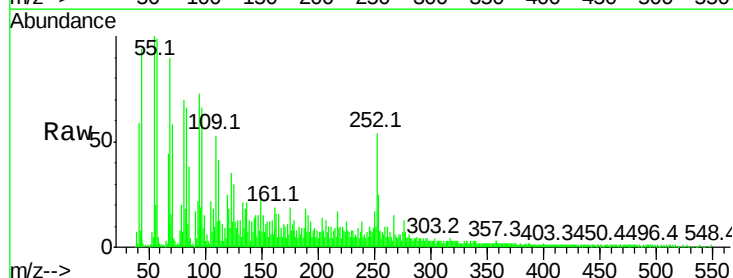
Tgt Ion:252 Resp: 37542

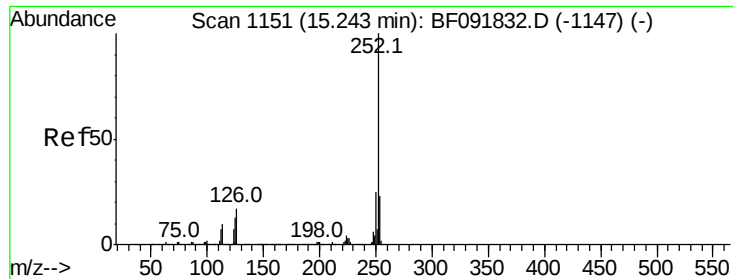
Ion Ratio Lower Upper

252 100

253 45.9 18.5 27.7#

125 56.4 8.9 13.3#





#89

Benzo(a)pyrene

Concen: 6.69 ng

RT: 15.13 min Scan# 1159

Delta R.T. 0.03 min

Lab File: BF092185.D

Acq: 10 Jan 2017 16:42

Instrument :

BNA_F

ClientSampleId :

P3-SP7RE

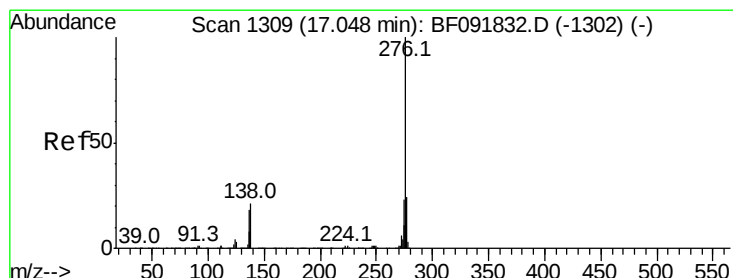
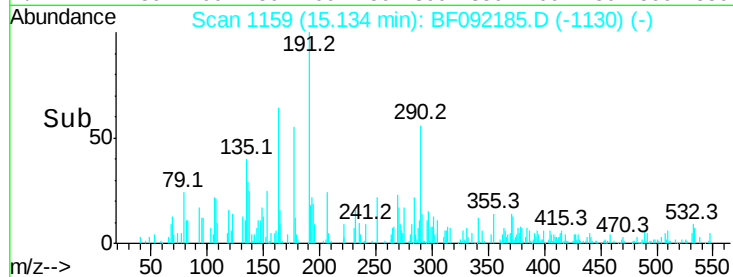
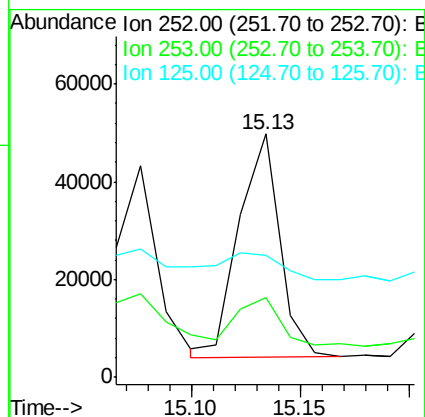
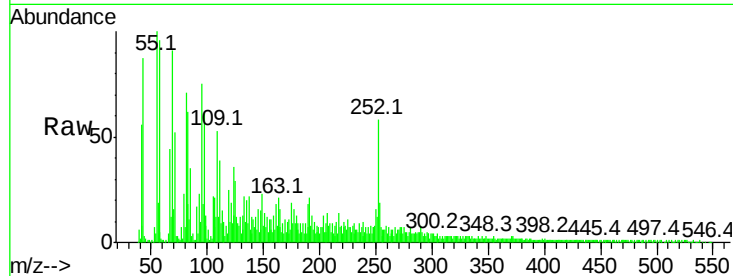
Tot Ion:252 Resp: 59574

Ion Ratio Lower Upper

252 100

253 32.8 18.2 27.2#

125 50.2 10.0 15.0#



#91

Benzo(g,h,i)perylene

Concen: 3.91 ng

RT: 16.88 min Scan# 1312

Delta R.T. 0.08 min

Lab File: BF092185.D

Acq: 10 Jan 2017 16:42

Tgt Ion:276 Resp: 29803

Ion Ratio Lower Upper

276 100

277 42.5 19.2 28.8#

138 46.8 16.0 24.0#

