

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011017\
 Data File : BF092187.D
 Acq On : 10 Jan 2017 17:37
 Operator : UM/SJ
 Sample : I1057-07RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP9RE

Quant Time: Jan 11 12:13:44 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

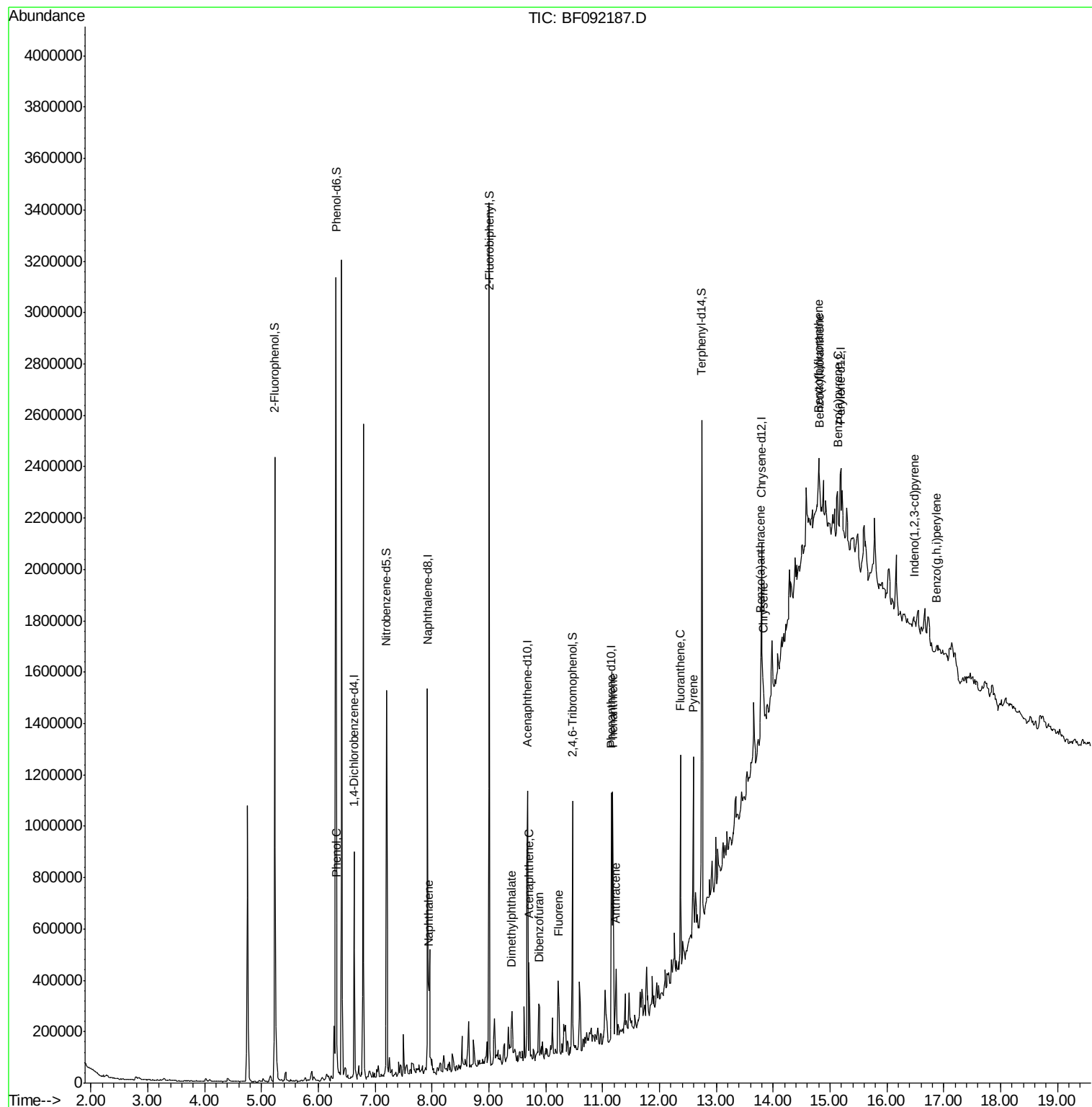
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	159756	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	646159	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	290827	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	402258	20.00	ng	0.00
75) Chrysene-d12	13.80	240	239124	20.00	ng	0.01
86) Perylene-d12	15.19	264	159054	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	778326	81.35	ng	0.00
7) Phenol-d6	6.31	99	1126031	96.40	ng	0.00
23) Nitrobenzene-d5	7.20	82	556352	47.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	109303	45.41	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	1066723	73.39	ng	0.00
78) Terphenyl-d14	12.74	244	643184	65.23	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.32	94	83083	6.24	ng	# 72
31) Naphthalene	7.94	128	110686	3.74	ng	99
49) Dimethylphthalate	9.41	163	69605	3.74	ng	99
51) Acenaphthene	9.70	154	105100	6.39	ng	99
54) Dibenzofuran	9.89	168	100874	4.54	ng	91
57) Fluorene	10.22	166	99115	6.14	ng	96
70) Phenanthrene	11.18	178	433925	19.89	ng	97
71) Anthracene	11.24	178	116070	4.12	ng	96
74) Fluoranthene	12.37	202	348047	15.70	ng	99
77) Pyrene	12.60	202	295550	16.85	ng	98
80) Benzo(a)anthracene	13.79	228	123763	9.17	ng	# 93
82) Chrysene	13.82	228	102513m	7.57	ng	
85) Indeno(1,2,3-cd)pyrene	16.48	276	37231	3.17	ng	98
87) Benzo(b)fluoranthene	14.80	252	95439m	9.64	ng	
88) Benzo(k)fluoranthene	14.81	252	47064m	5.57	ng	
89) Benzo(a)pyrene	15.13	252	63880	7.27	ng	# 59
91) Benzo(a,h,i)perylene	16.87	276	32263	4.29	ng	# 66

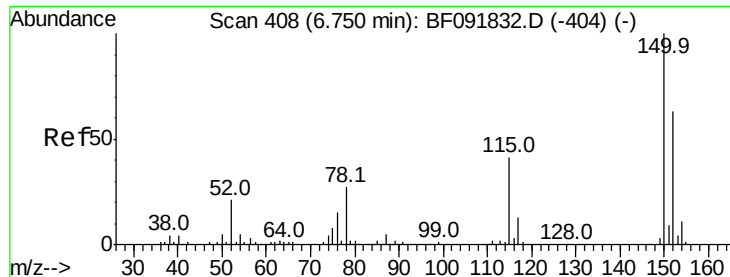
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011017\
Data File : BF092187.D
Acq On : 10 Jan 2017 17:37
Operator : UM/SJ
Sample : I1057-07RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P3-SP9RE

Quant Time: Jan 11 12:13:44 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



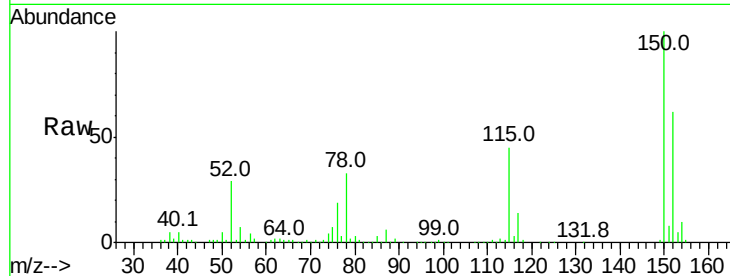


#1

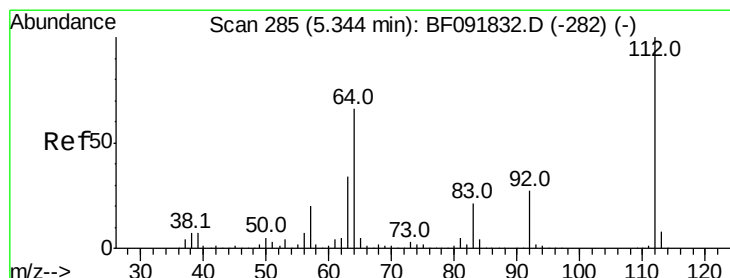
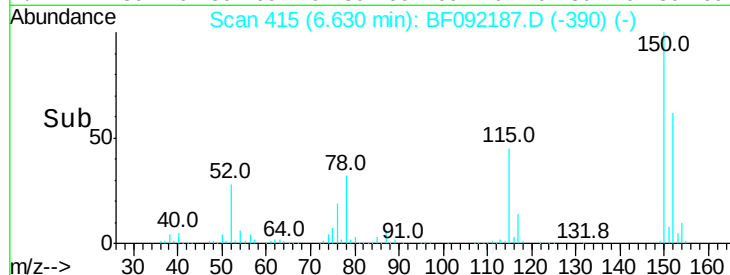
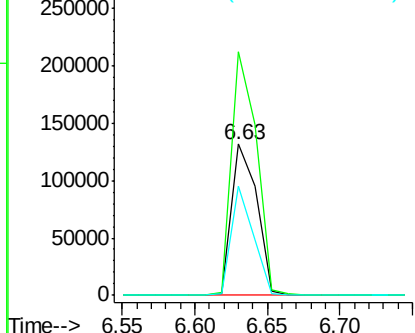
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 415
Delta R.T. -0.01 min
Lab File: BF092187.D
Acq: 10 Jan 2017 17:37

Instrument :
BNA_F
ClientSampleId :
P3-SP9RE

Tot Ion:152 Resp: 159756
Ion Ratio Lower Upper
152 100
150 161.1 124.9 187.3
115 72.7 46.0 69.0#



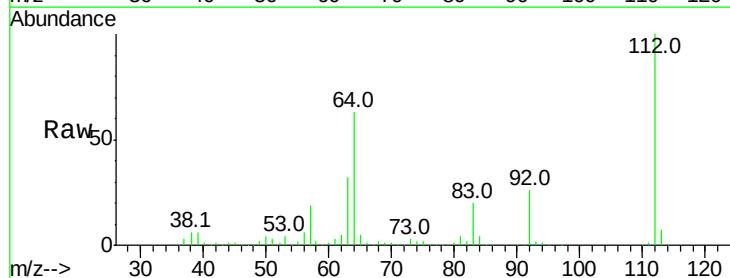
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



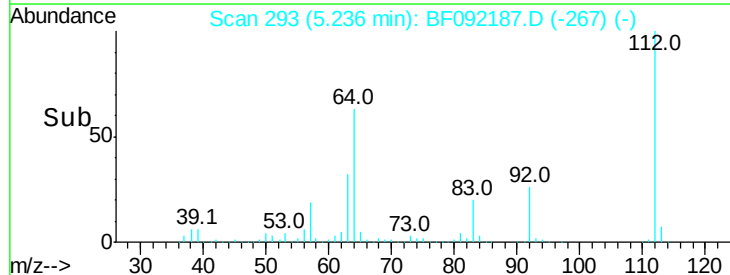
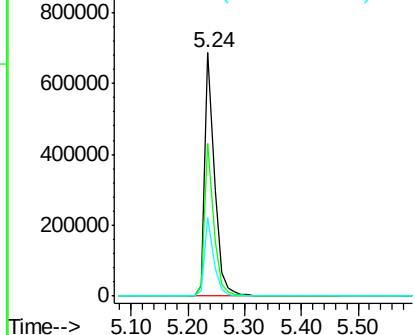
#5

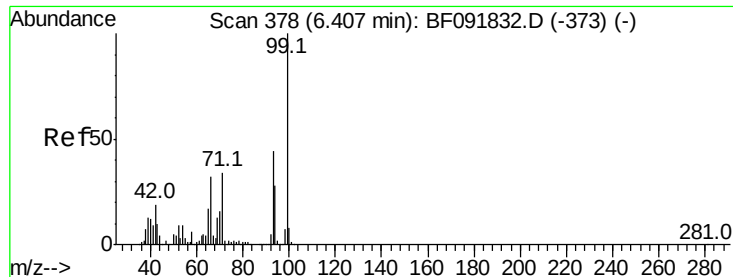
2-Fluorophenol
Concen: 81.35 ng
RT: 5.24 min Scan# 293
Delta R.T. 0.00 min
Lab File: BF092187.D
Acq: 10 Jan 2017 17:37

Tgt Ion:112 Resp: 778326
Ion Ratio Lower Upper
112 100
64 62.8 46.1 69.1
63 32.1 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: 96.40 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092187.D

Acq: 10 Jan 2017 17:37

Instrument :

BNA_F

ClientSampleId :

P3-SP9RE

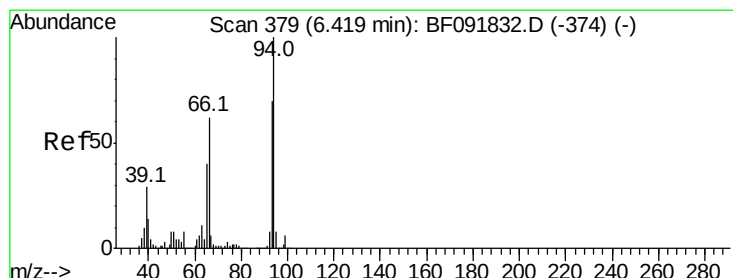
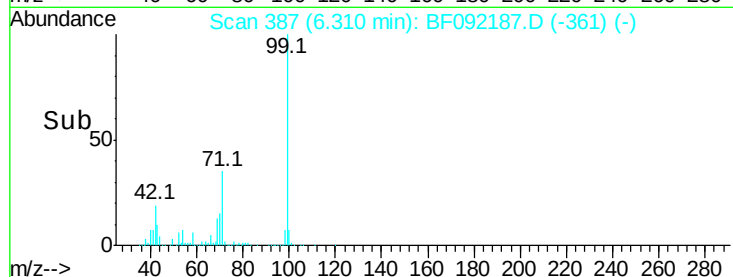
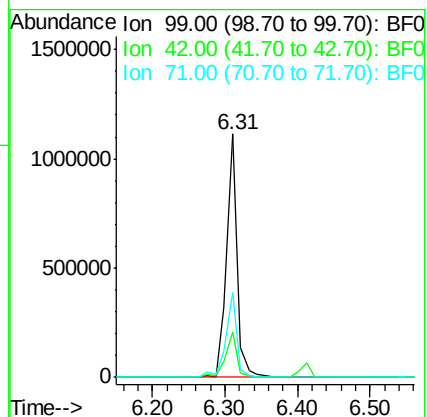
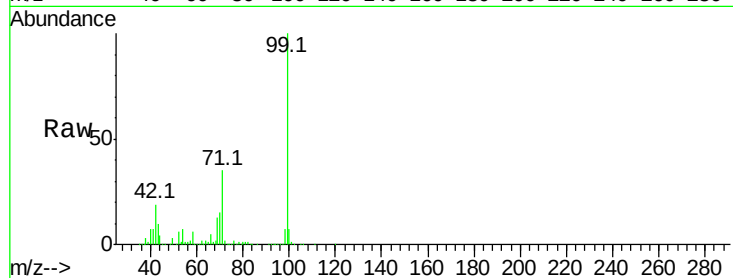
Tot Ion: 99 Resp: 1126031

Ion Ratio Lower Upper

99 100

42 18.5 15.6 23.4

71 34.8 27.5 41.3



#10

Phenol

Concen: 6.24 ng

RT: 6.32 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF092187.D

Acq: 10 Jan 2017 17:37

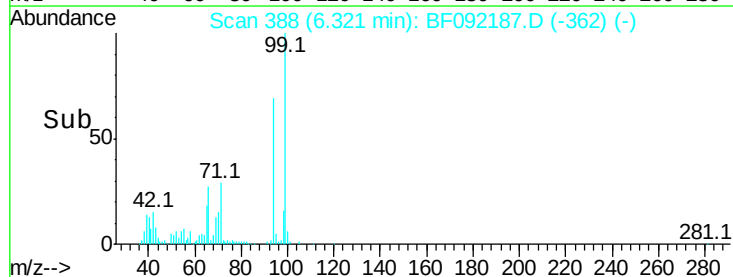
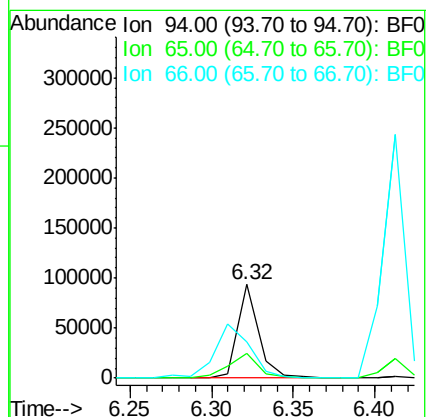
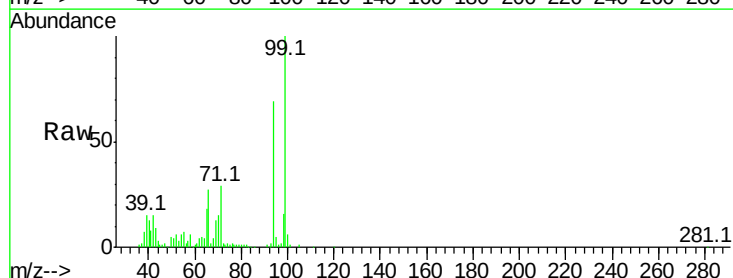
Tgt Ion: 94 Resp: 83083

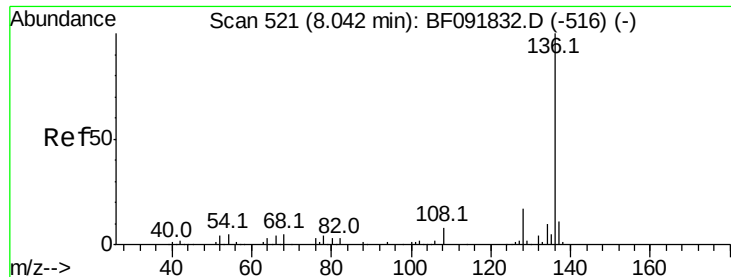
Ion Ratio Lower Upper

94 100

65 26.7 21.4 61.4

66 39.2 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: BF092187.D

Acq: 10 Jan 2017 17:37

Instrument :

BNA_F

ClientSampleId :

P3-SP9RE

Tot Ion:136 Resp: 646159

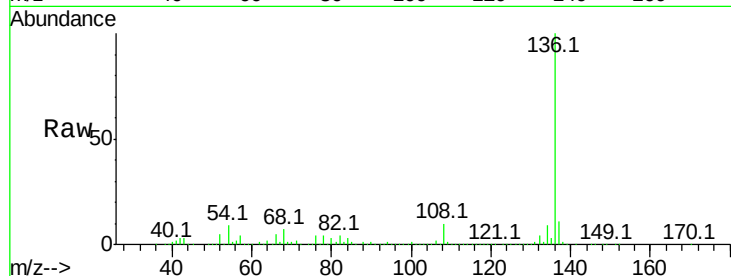
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 8.8 4.5 6.7#

68 6.6 3.6 5.4#

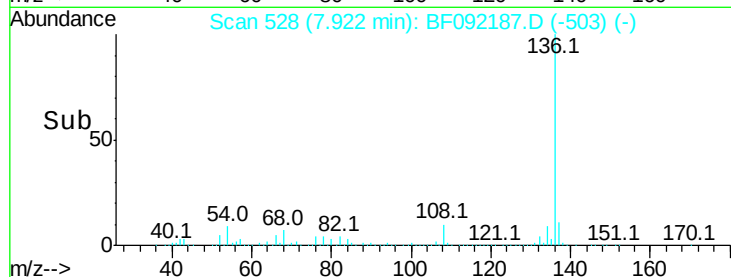


Abundance Ion 136.00 (135.70 to 136.70): E

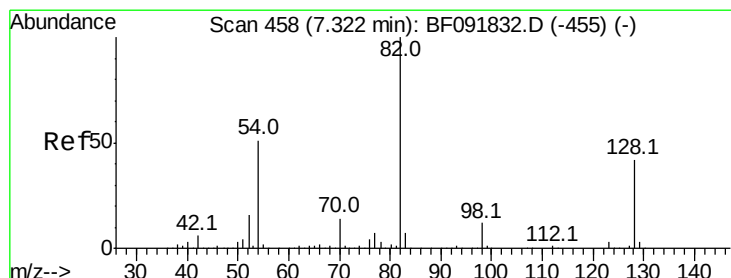
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 47.88 ng

RT: 7.20 min Scan# 465

Delta R.T. -0.01 min

Lab File: BF092187.D

Acq: 10 Jan 2017 17:37

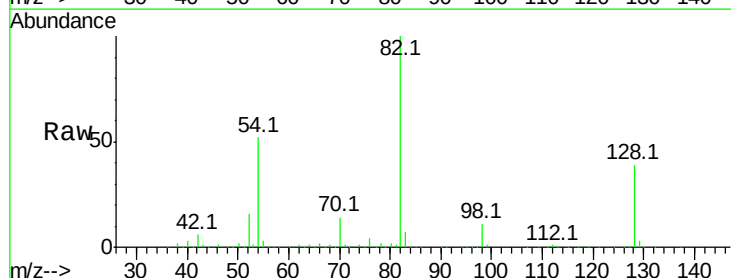
Tgt Ion: 82 Resp: 556352

Ion Ratio Lower Upper

82 100

128 39.4 34.6 52.0

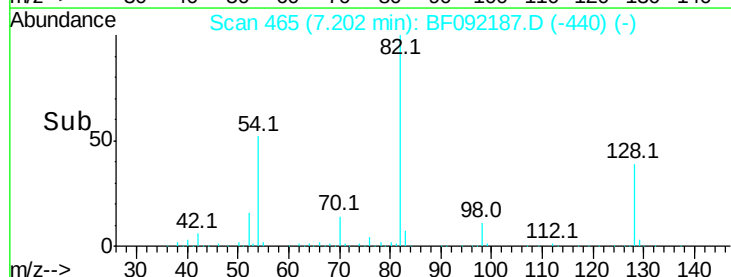
54 51.7 39.5 59.3



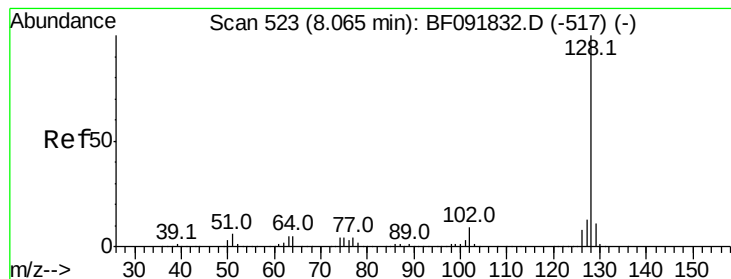
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#31

Naphthalene

Concen: 3.74 ng

RT: 7.94 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF092187.D

Acq: 10 Jan 2017 17:37

Instrument :

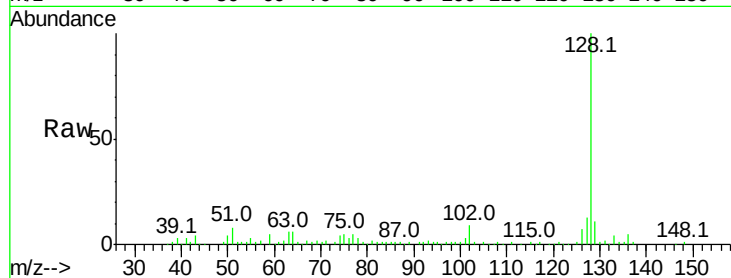
BNA_F

ClientSampleId :

P3-SP9RE

Tot Ion:128 Resp: 110686

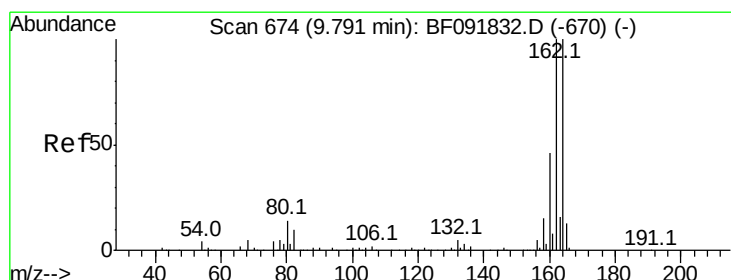
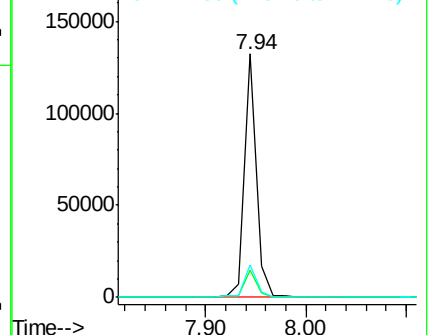
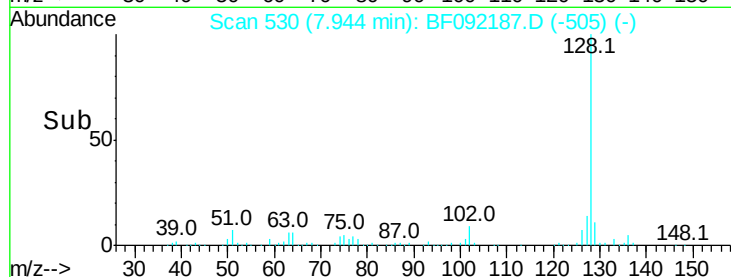
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.5	14.3
127	13.5	10.8	16.2



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 682

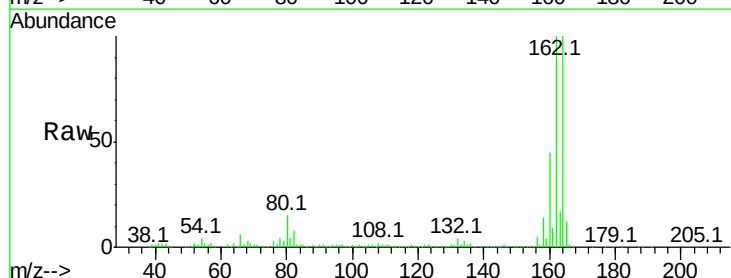
Delta R.T. 0.00 min

Lab File: BF092187.D

Acq: 10 Jan 2017 17:37

Tgt Ion:164 Resp: 290827

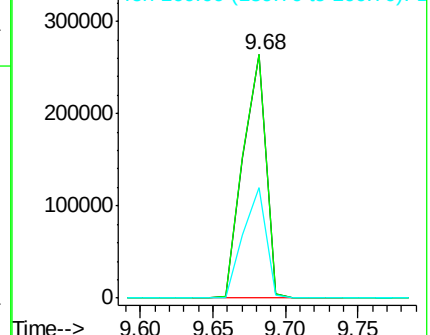
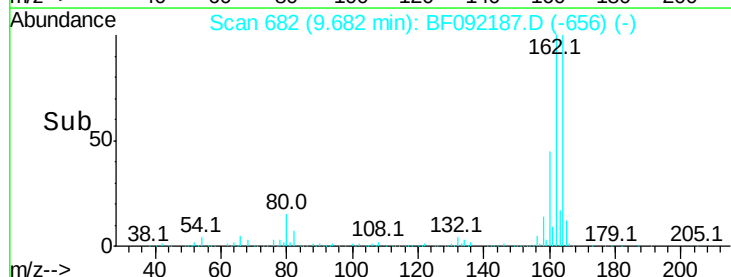
Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.2	120.2
160	45.4	36.9	55.3

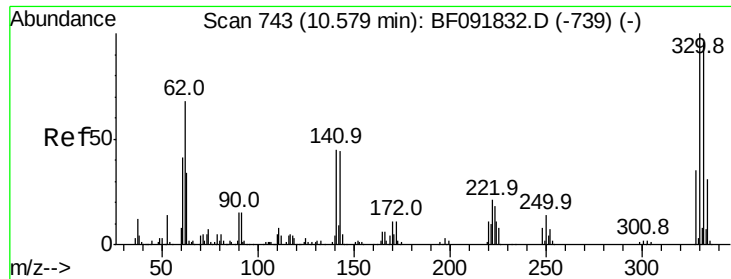


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

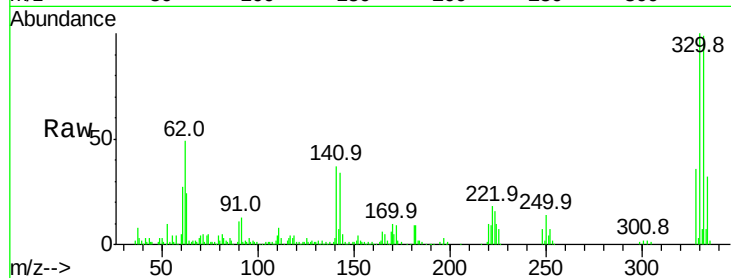




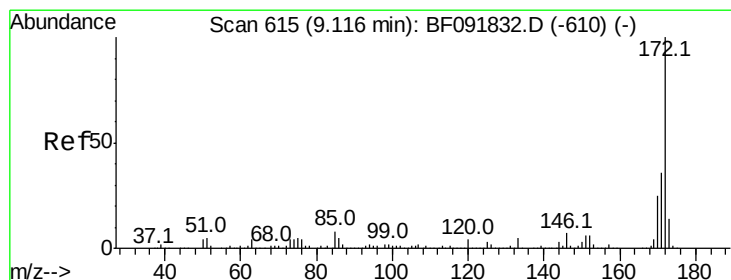
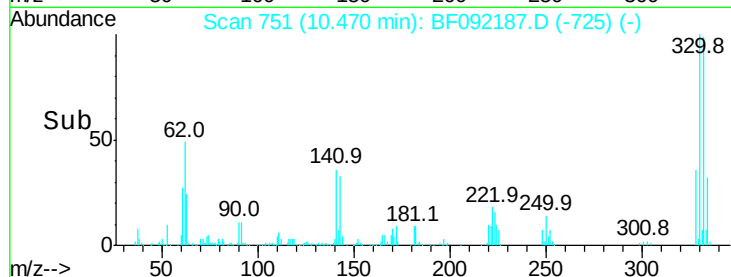
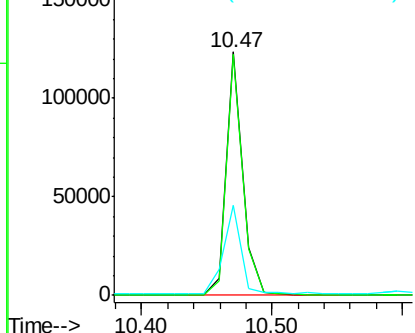
#41
 2,4,6-Tribromophenol
 Concen: 45.41 ng
 RT: 10.47 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BF092187.D
 Acq: 10 Jan 2017 17:37

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP9RE

Tot Ion:330 Resp: 109303
 Ion Ratio Lower Upper
 330 100
 332 98.7 77.4 116.2
 141 39.9 34.1 51.1

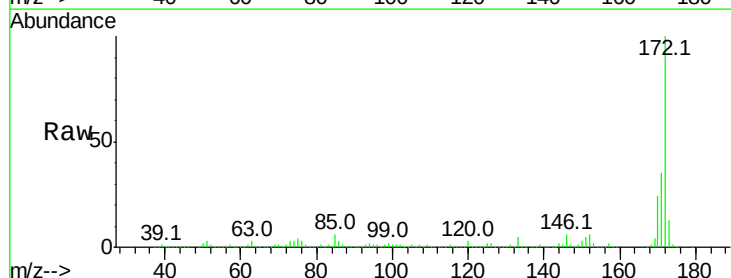


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

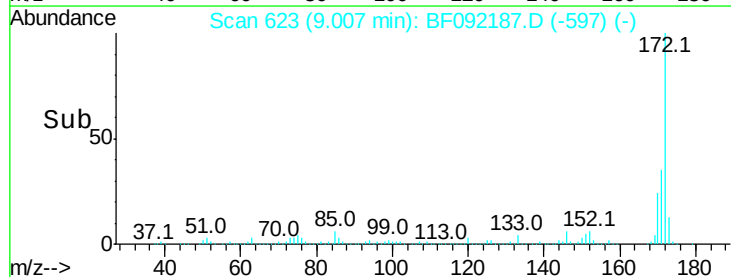
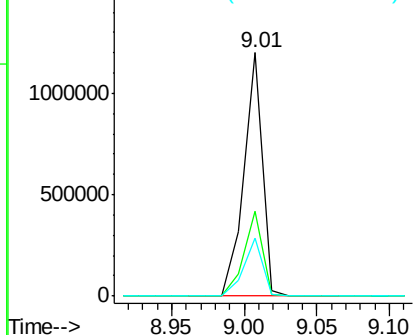


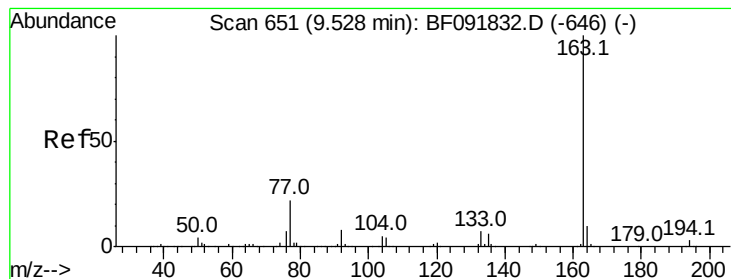
#44
 2-Fluorobiphenyl
 Concen: 73.39 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092187.D
 Acq: 10 Jan 2017 17:37

Tgt Ion:172 Resp: 1066723
 Ion Ratio Lower Upper
 172 100
 171 35.0 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: 3.74 ng

RT: 9.41 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF092187.D

Acq: 10 Jan 2017 17:37

Instrument :

BNA_F

ClientSampleId :

P3-SP9RE

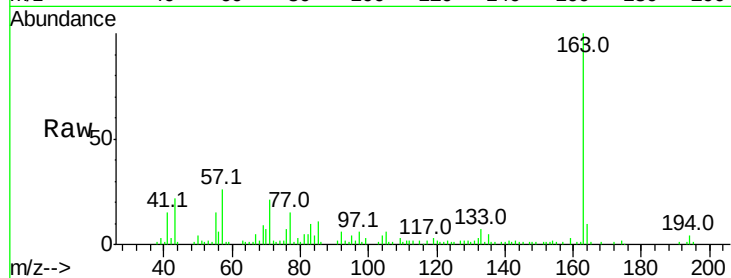
Tot Ion:163 Resp: 69605

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

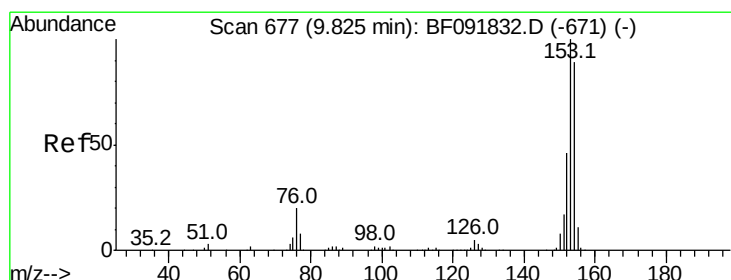
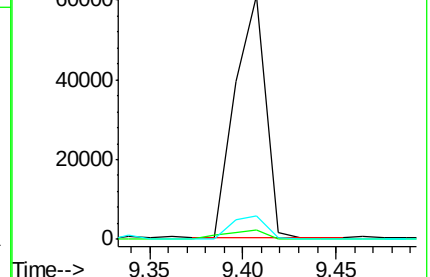
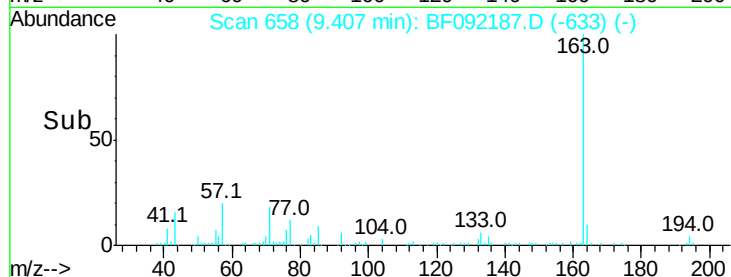
164 9.8 8.0 12.0



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: 6.39 ng

RT: 9.70 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF092187.D

Acq: 10 Jan 2017 17:37

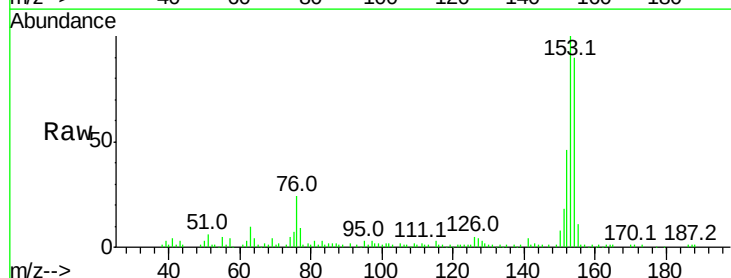
Tgt Ion:154 Resp: 105100

Ion Ratio Lower Upper

154 100

153 111.2 88.6 133.0

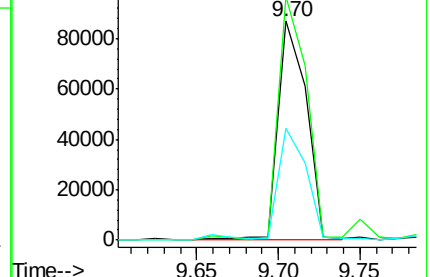
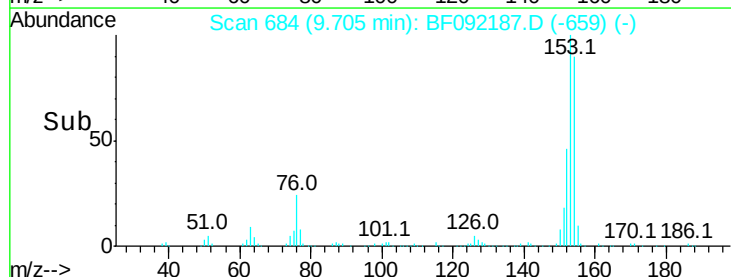
152 51.0 41.6 62.4

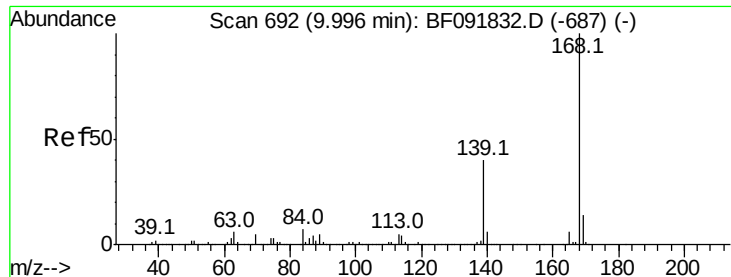


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

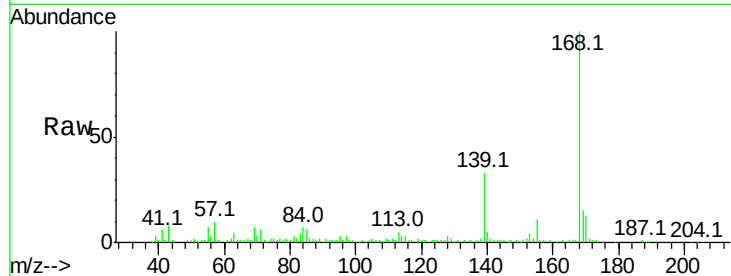




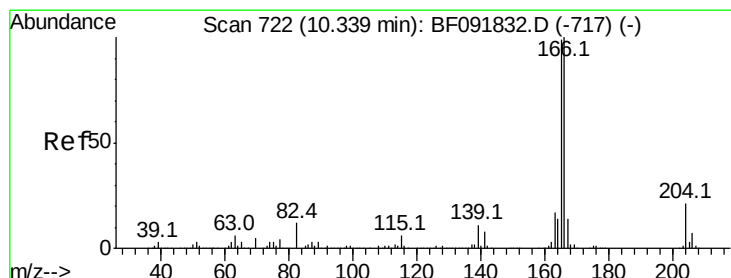
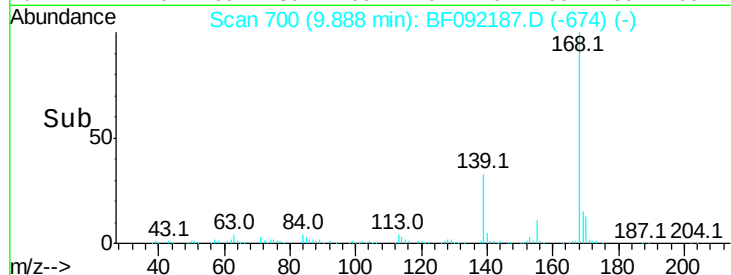
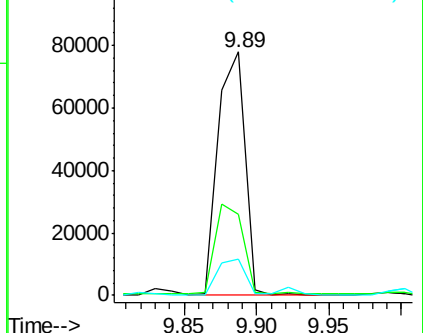
#54
Dibenzofuran
Concen: 4.54 ng
RT: 9.89 min Scan# 700
Delta R.T. 0.00 min
Lab File: BF092187.D
Acq: 10 Jan 2017 17:37

Instrument :
BNA_F
ClientSampleId :
P3-SP9RE

Tot Ion:168 Resp: 100874
Ion Ratio Lower Upper
168 100
139 33.4 32.6 49.0
169 15.1 11.3 16.9

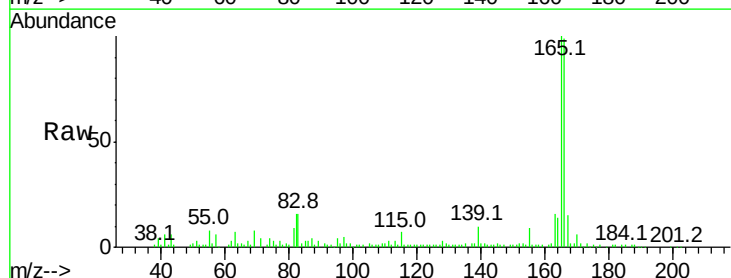


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

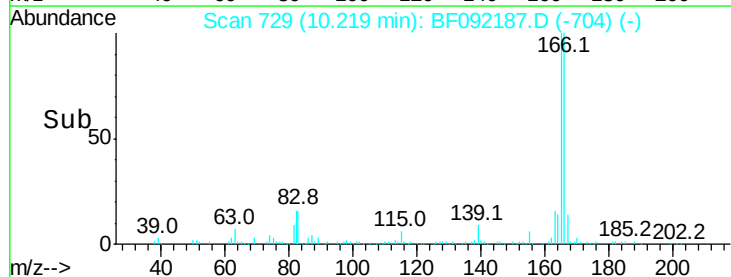
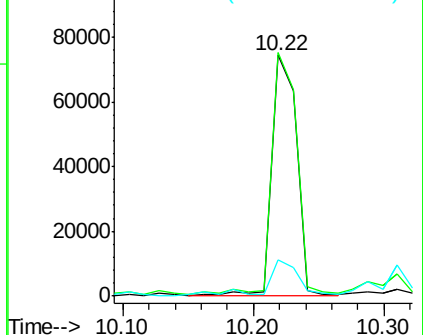


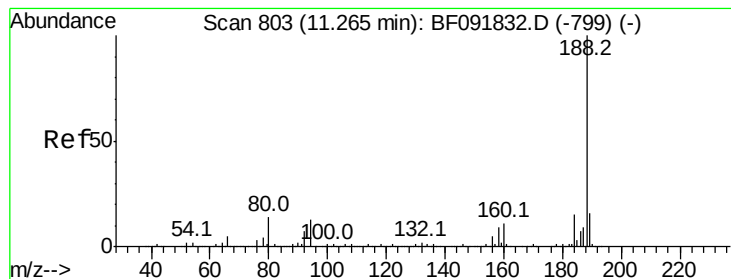
#57
Fluorene
Concen: 6.14 ng
RT: 10.22 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF092187.D
Acq: 10 Jan 2017 17:37

Tgt Ion:166 Resp: 99115
Ion Ratio Lower Upper
166 100
165 101.1 77.8 116.8
167 15.0 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: BF092187.D

Acq: 10 Jan 2017 17:37

Instrument :

BNA_F

ClientSampleId :

P3-SP9RE

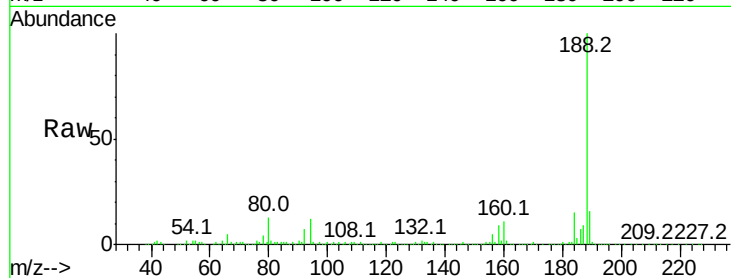
Tot Ion:188 Resp: 402258

Ion Ratio Lower Upper

188 100

94 11.9 10.0 15.0

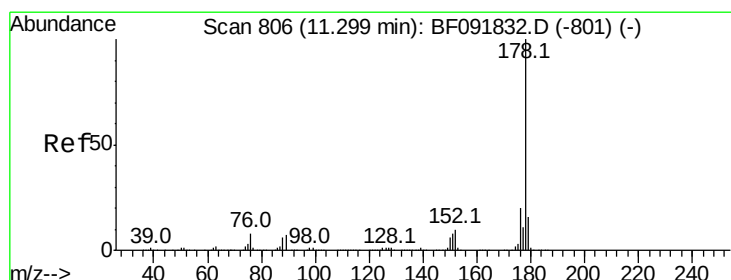
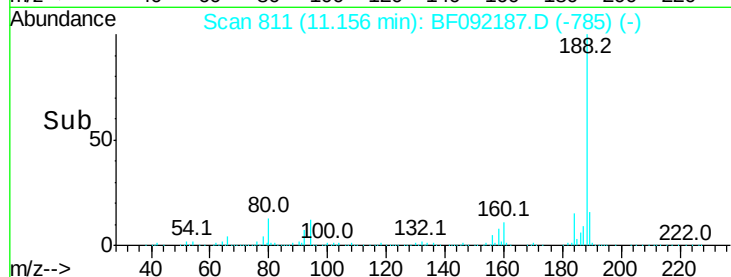
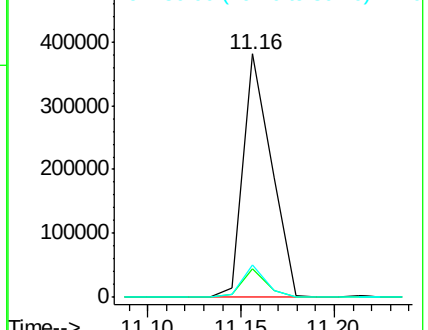
80 13.3 11.2 16.8



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: 19.89 ng

RT: 11.18 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF092187.D

Acq: 10 Jan 2017 17:37

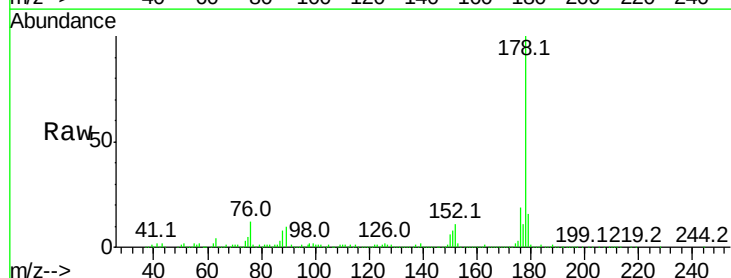
Tgt Ion:178 Resp: 433925

Ion Ratio Lower Upper

178 100

176 18.8 16.6 25.0

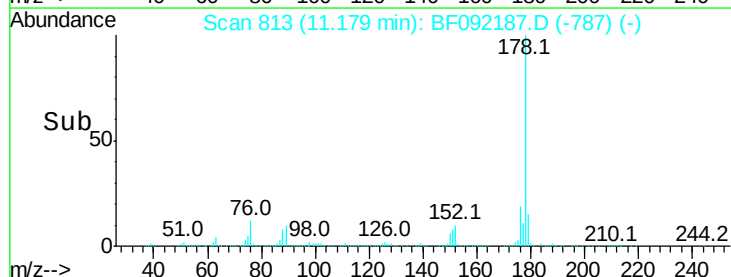
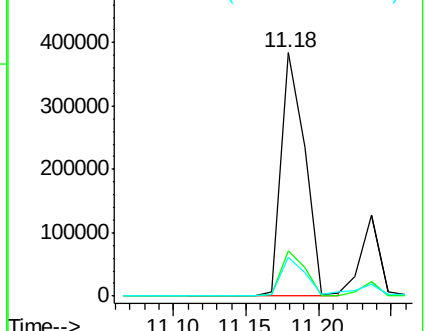
179 15.8 12.8 19.2

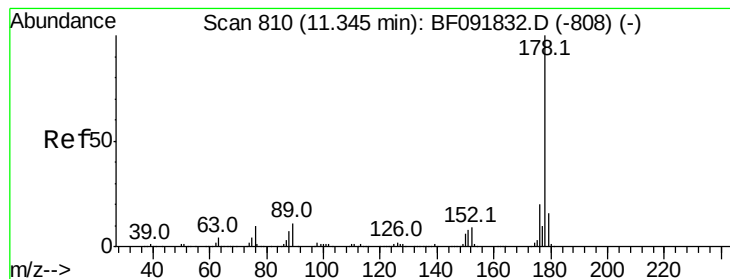


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.12 ng

RT: 11.24 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF092187.D

Acq: 10 Jan 2017 17:37

Instrument :

BNA_F

ClientSampleId :

P3-SP9RE

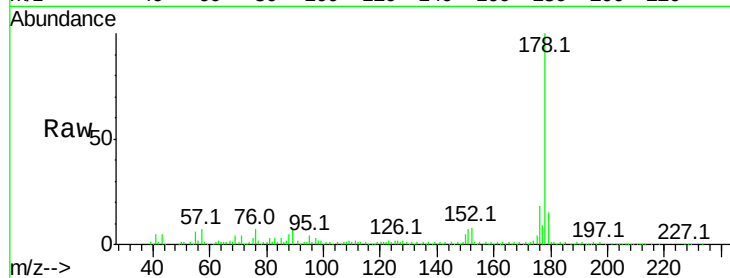
Tot Ion:178 Resp: 116070

Ion Ratio Lower Upper

178 100

176 17.7 15.9 23.9

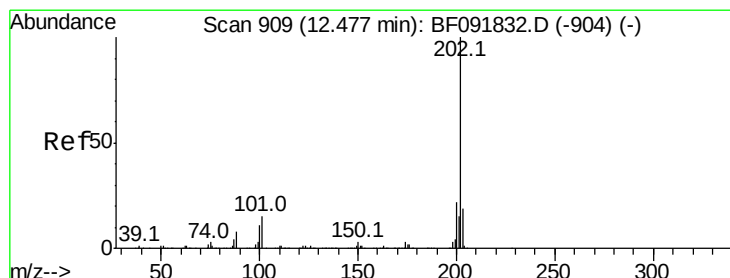
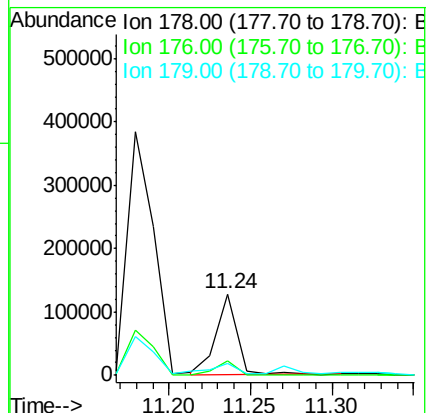
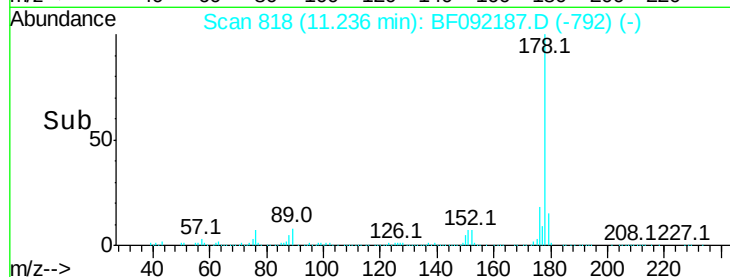
179 15.2 13.2 19.8



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: 15.70 ng

RT: 12.37 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF092187.D

Acq: 10 Jan 2017 17:37

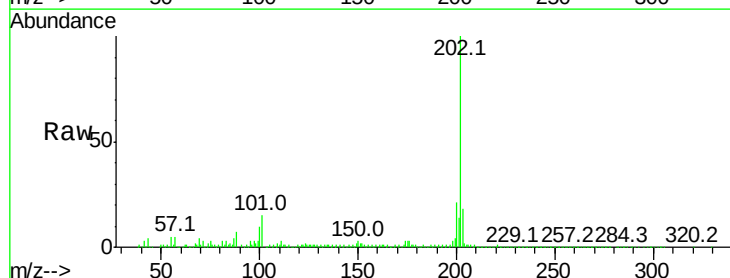
Tgt Ion:202 Resp: 348047

Ion Ratio Lower Upper

202 100

101 14.6 0.0 34.6

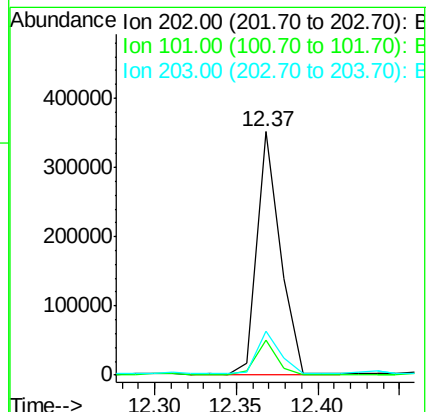
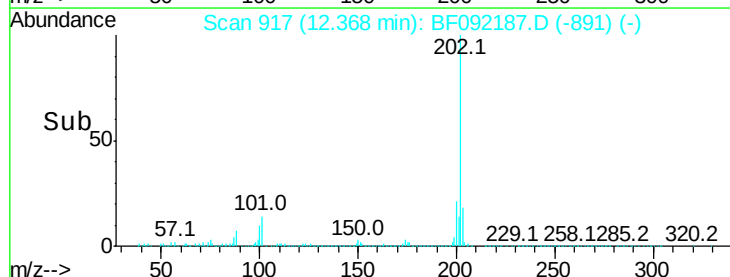
203 18.0 0.0 38.7

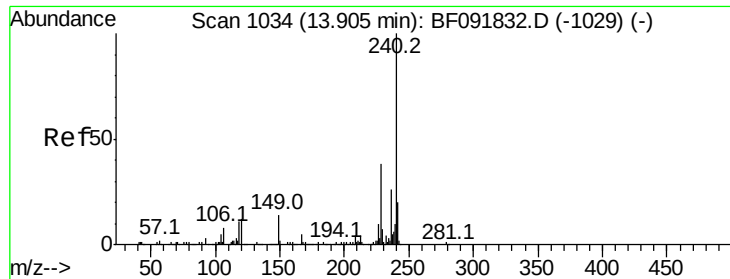


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF092187.D

Acq: 10 Jan 2017 17:37

Instrument :

BNA_F

ClientSampleId :

P3-SP9RE

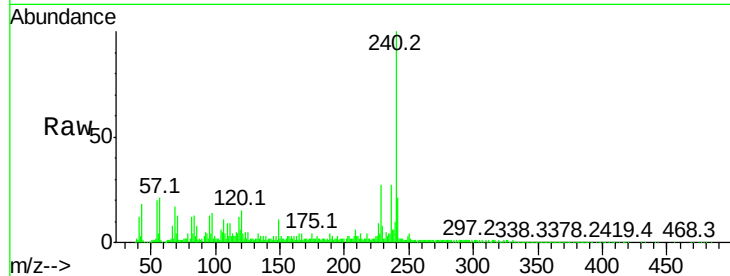
Tot Ion:240 Resp: 239124

Ion Ratio Lower Upper

240 100

120 15.3 12.9 19.3

236 26.5 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

13.80

200000

150000

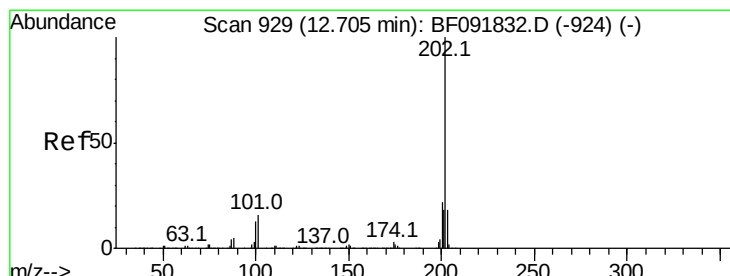
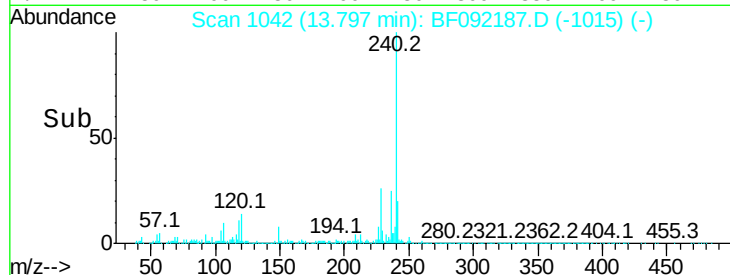
100000

50000

0

13.70 13.80 13.90

Time-->



#77

Pyrene

Concen: 16.85 ng

RT: 12.60 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF092187.D

Acq: 10 Jan 2017 17:37

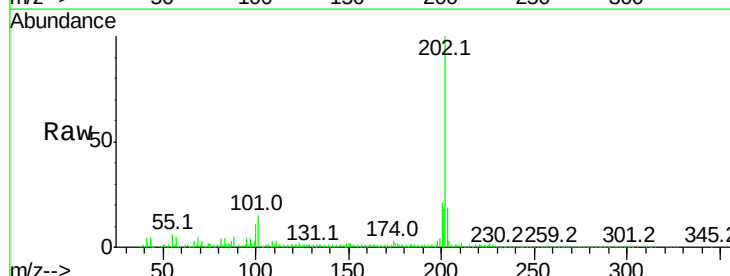
Tgt Ion:202 Resp: 295550

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

203 18.7 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

12.60

400000

300000

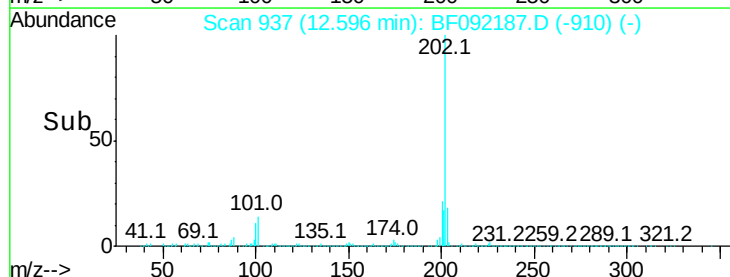
200000

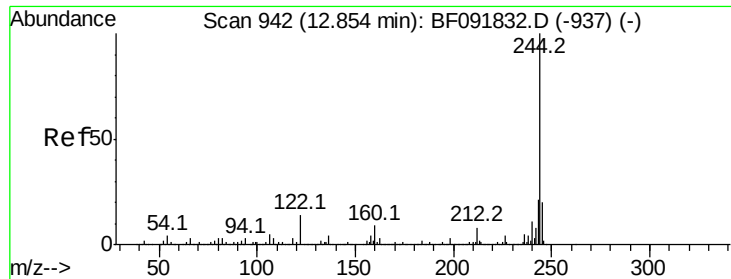
100000

0

12.55 12.60 12.65

Time-->

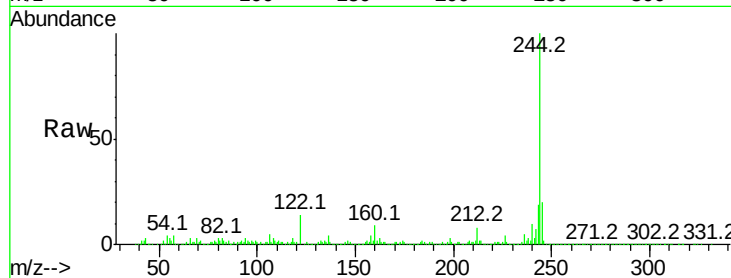




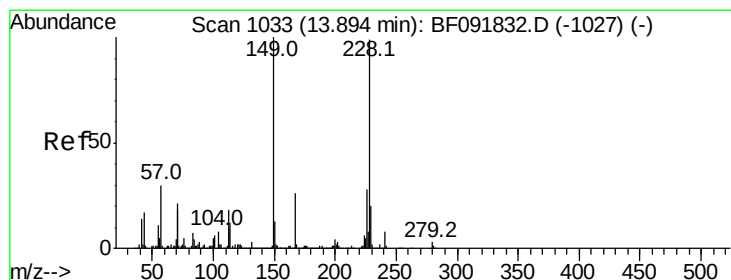
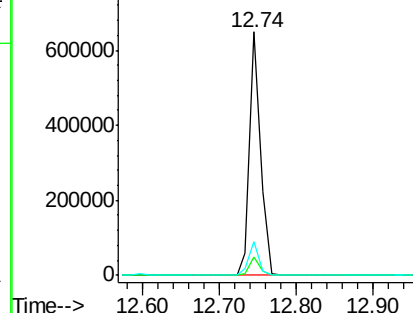
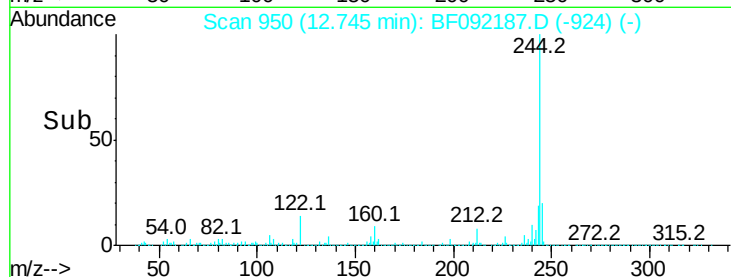
#78
 Terphenyl-d14
 Concen: 65.23 ng
 RT: 12.74 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BF092187.D
 Acq: 10 Jan 2017 17:37

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP9RE

Tot Ion:244 Resp: 643184
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 14.0 11.4 17.2

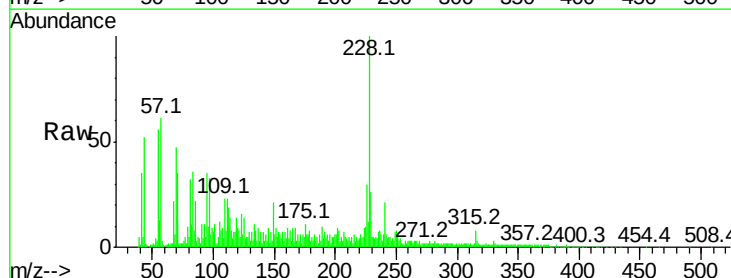


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

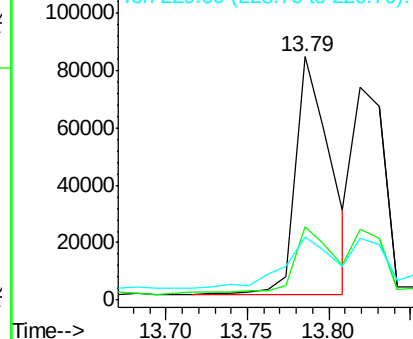
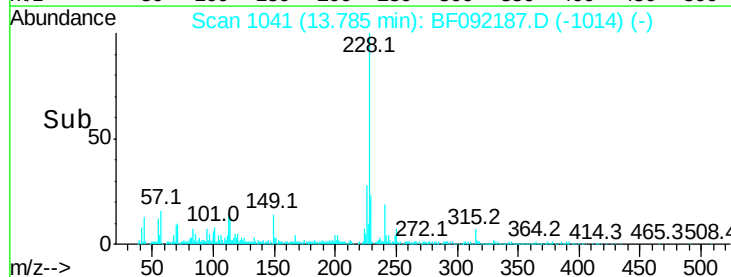


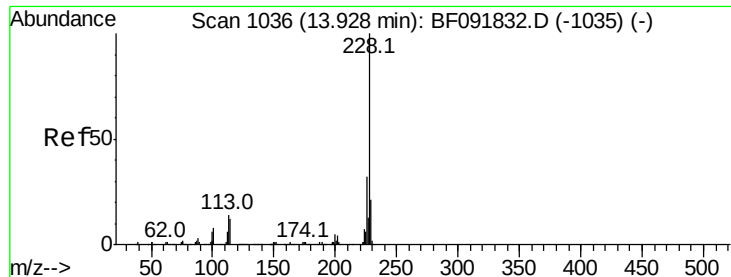
#80
 Benzo(a)anthracene
 Concen: 9.17 ng
 RT: 13.79 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: BF092187.D
 Acq: 10 Jan 2017 17:37

Tgt Ion:228 Resp: 123763
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.4 33.6
 229 25.8 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

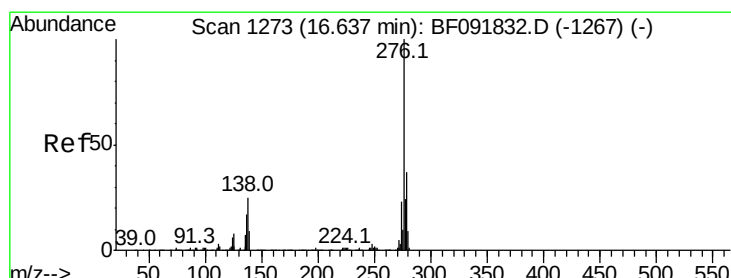
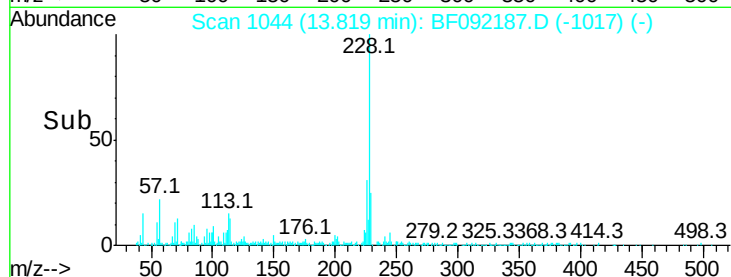
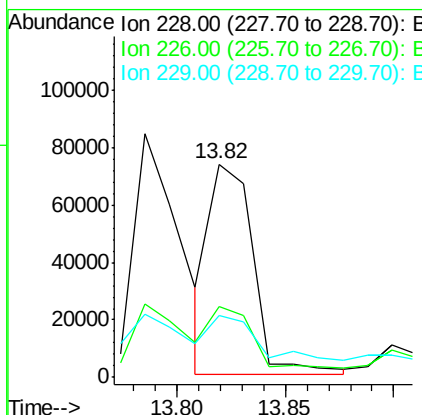
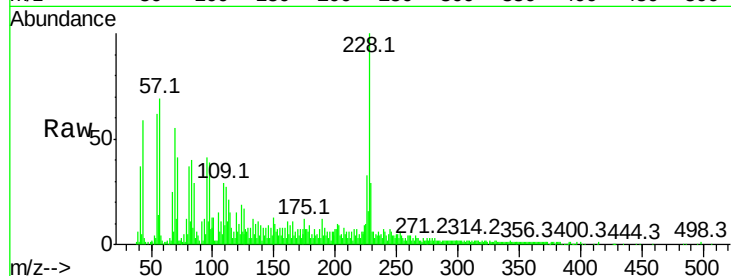




#82
Chrysene
Concen: 7.57 ng/ml
RT: 13.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: BF092187.D
Acq: 10 Jan 2017 17:37

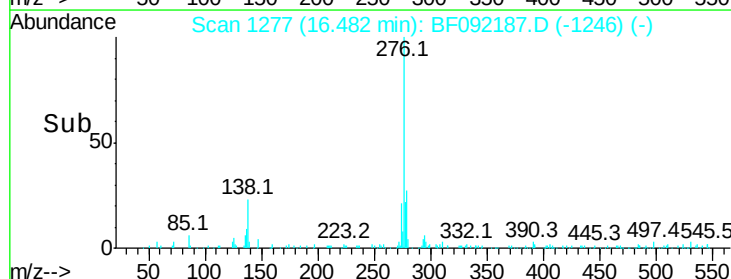
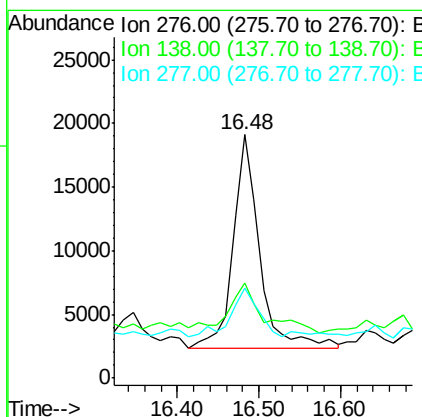
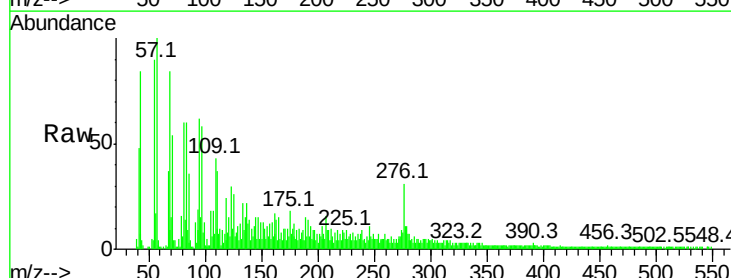
Instrument :
BNA_F
ClientSampleId :
P3-SP9RE

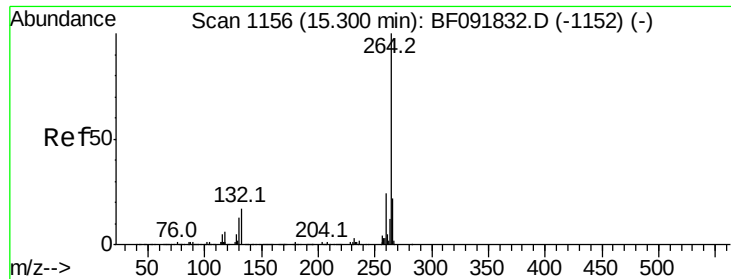
Tot Ion:228 Resp: 102513
Ion Ratio Lower Upper
228 100
226 33.2 25.4 38.0
229 29.0 16.2 24.2#



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.17 ng
RT: 16.48 min Scan# 1277
Delta R.T. 0.06 min
Lab File: BF092187.D
Acq: 10 Jan 2017 17:37

Tgt Ion:276 Resp: 37231
Ion Ratio Lower Upper
276 100
138 29.0 21.8 32.6
277 25.8 20.2 30.4

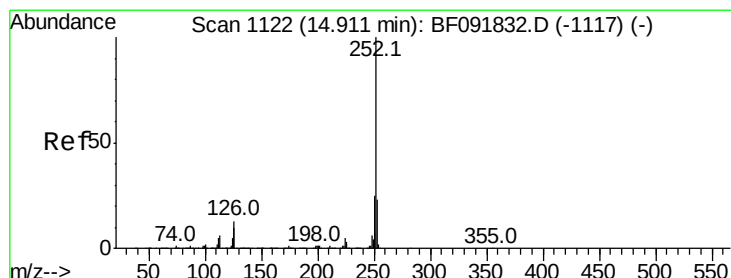
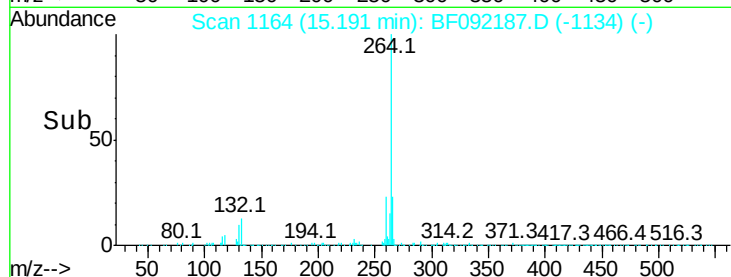
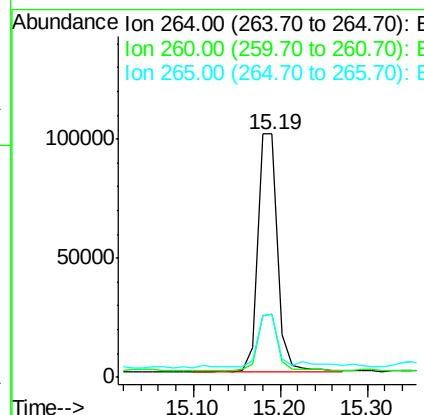
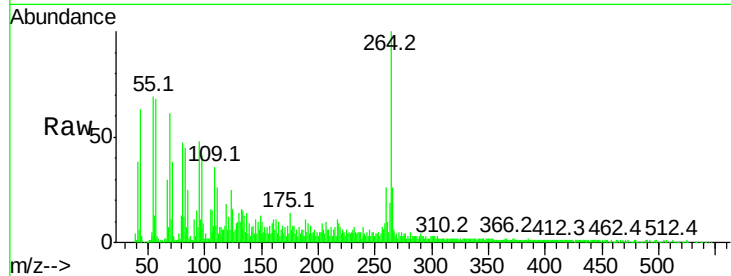




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1164
Delta R.T. 0.05 min
Lab File: BF092187.D
Acq: 10 Jan 2017 17:37

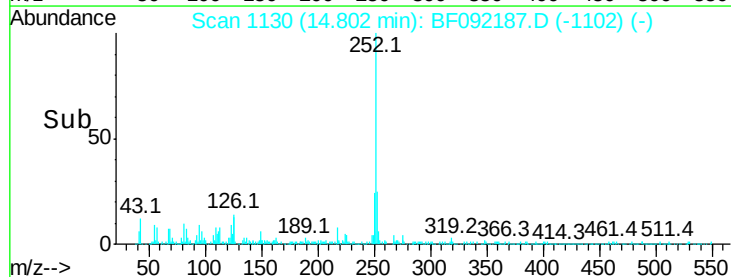
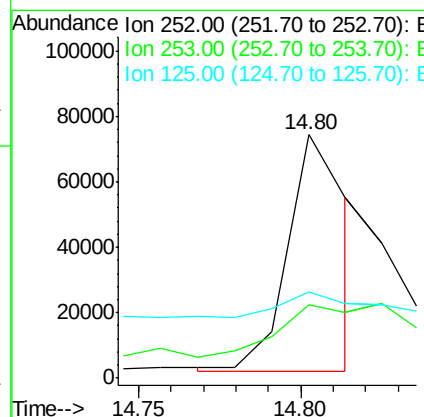
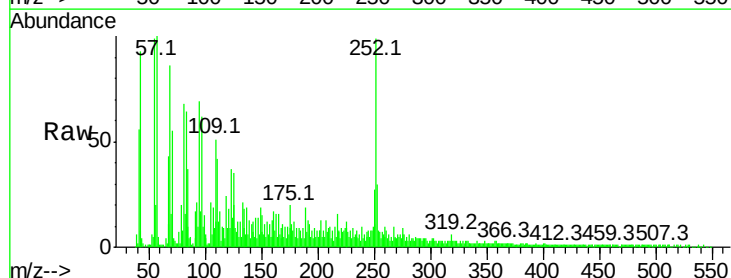
Instrument :
BNA_F
ClientSampleId :
P3-SP9RE

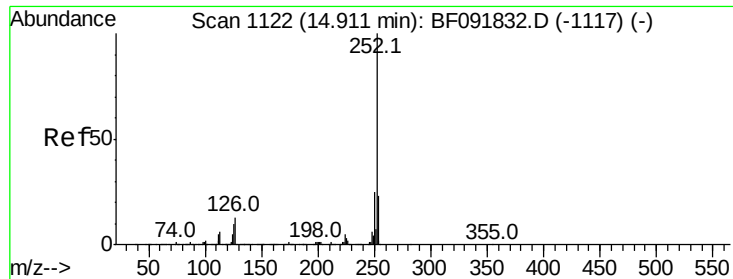
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.2	28.8
265	26.1	17.4	26.0#



#87
Benzo(b)fluoranthene
Concen: 9.64 ng m
RT: 14.80 min Scan# 1130
Delta R.T. 0.02 min
Lab File: BF092187.D
Acq: 10 Jan 2017 17:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.3	18.2	27.4#
125	35.3	9.8	14.6#





#88

Benzo(k)fluoranthene

Concen: 5.57 ng/mL

RT: 14.81 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BF092187.D

Acq: 10 Jan 2017 17:37

Instrument :

BNA_F

ClientSampleId :

P3-SP9RE

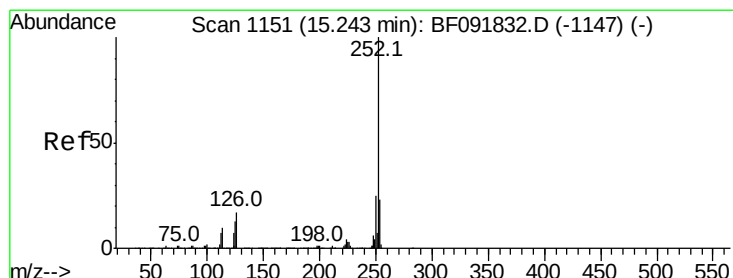
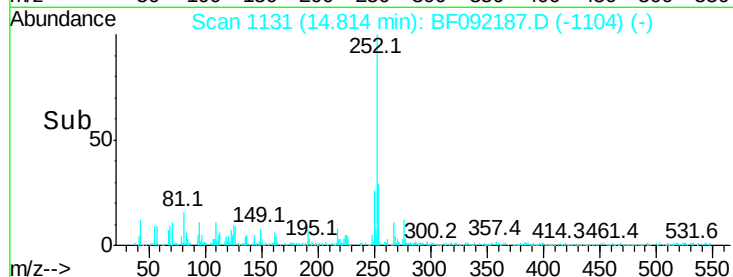
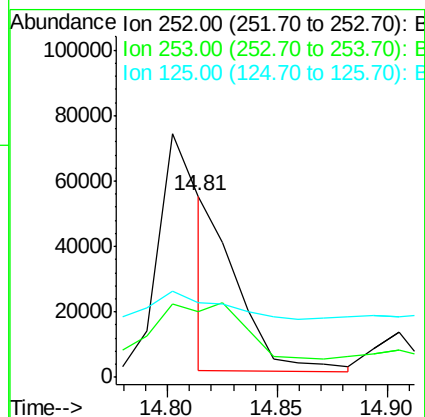
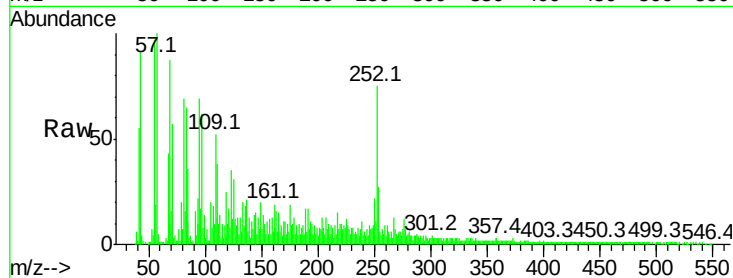
Tot Ion:252 Resp: 47064

Ion Ratio Lower Upper

252 100

253 36.4 18.5 27.7#

125 41.6 8.9 13.3#



#89

Benzo(a)pyrene

Concen: 7.27 ng/mL

RT: 15.13 min Scan# 1159

Delta R.T. 0.03 min

Lab File: BF092187.D

Acq: 10 Jan 2017 17:37

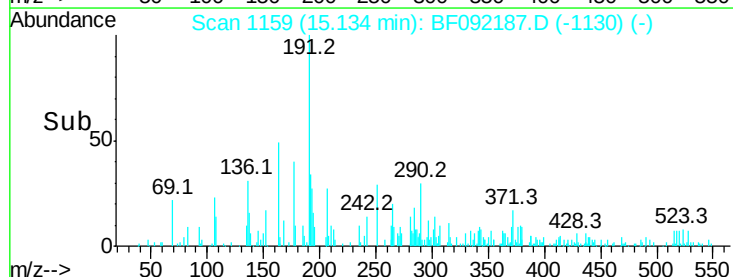
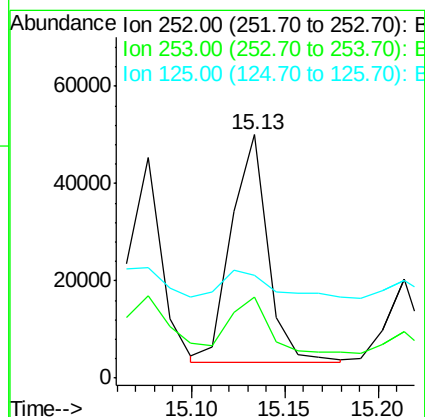
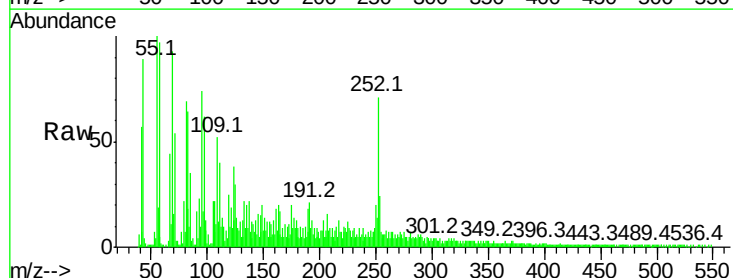
Tgt Ion:252 Resp: 63880

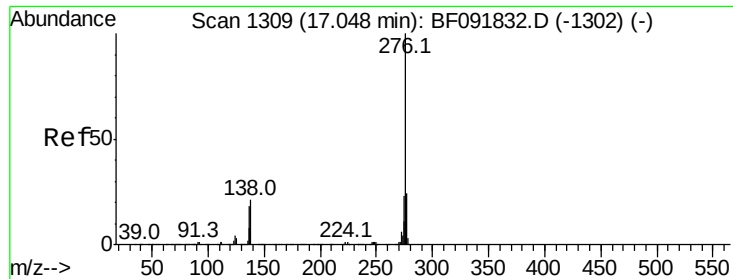
Ion Ratio Lower Upper

252 100

253 33.4 18.2 27.2#

125 42.4 10.0 15.0#





#91

Benzo(a,h,i)perylene

Concen: 4.29 ng

RT: 16.87 min Scan# 1311

Delta R.T. 0.07 min

Lab File: BF092187.D

Acq: 10 Jan 2017 17:37

Instrument :

BNA_F

ClientSampleId :

P3-SP9RE

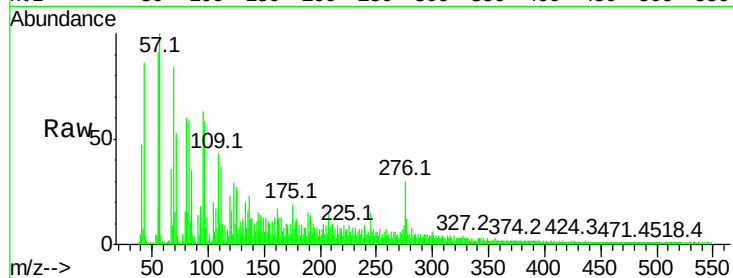
Tot Ion:276 Resp: 32263

Ion Ratio Lower Upper

276 100

277 38.8 19.2 28.8#

138 37.9 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

