

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020717\
 Data File : BF092826.D
 Acq On : 7 Feb 2017 13:54
 Operator : SJ/MA
 Sample : I1699-03RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 07 15:24:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

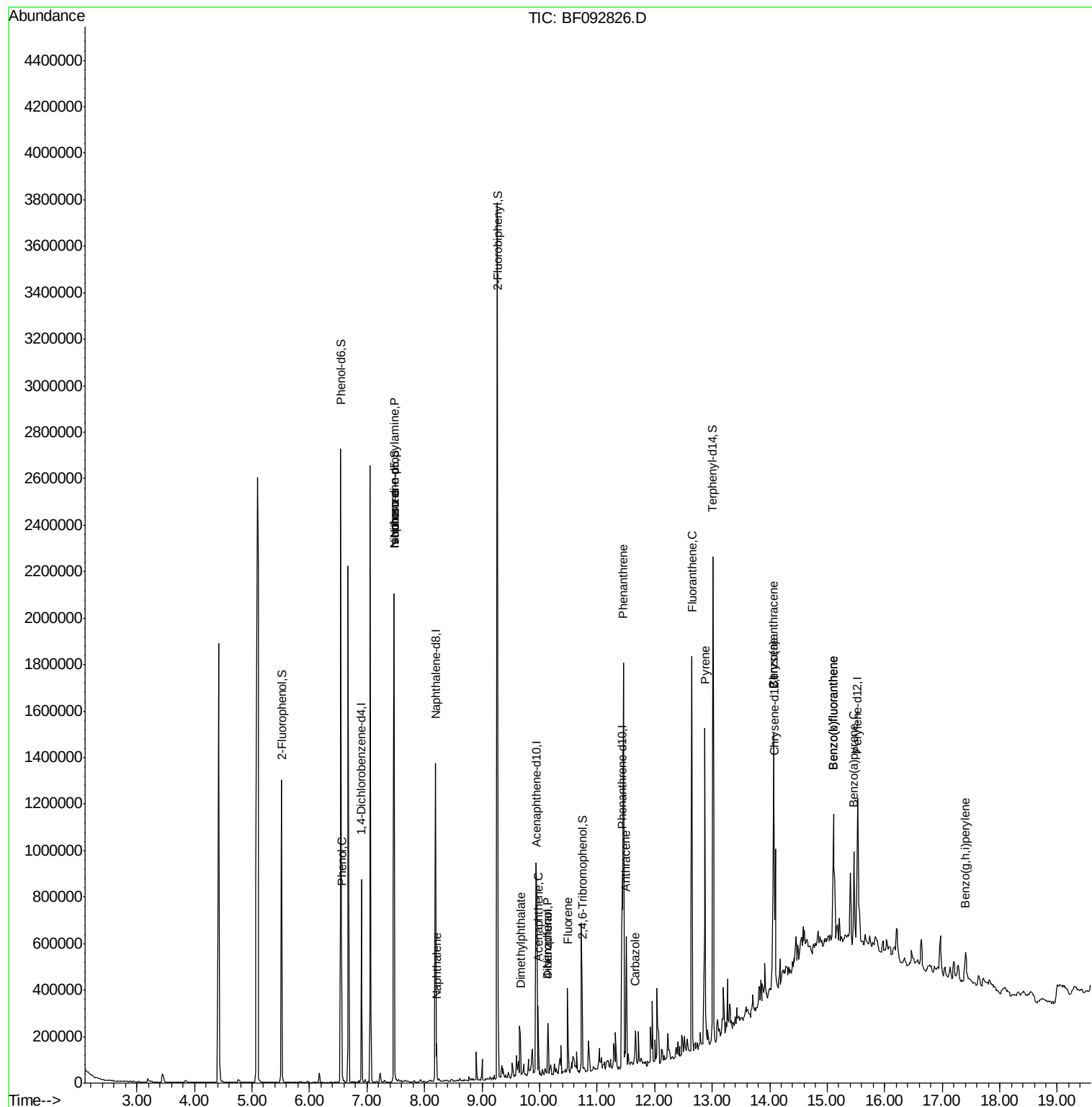
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	142245	20.00	ng	-0.07
21) Naphthalene-d8	8.19	136	582641	20.00	ng	-0.07
38) Acenaphthene-d10	9.95	164	286224	20.00	ng	-0.06
63) Phenanthrene-d10	11.44	188	410021	20.00	ng	-0.06
75) Chrysene-d12	14.08	240	316121	20.00	ng	-0.07
86) Perylene-d12	15.53	264	280991	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	507766	61.24	ng	-0.06
7) Phenol-d6	6.54	99	967891	90.73	ng	-0.06
23) Nitrobenzene-d5	7.47	82	689344	65.89	ng	-0.07
41) 2,4,6-Tribromophenol	10.74	330	75199	36.33	ng	-0.07
44) 2-Fluorobiphenyl	9.26	172	1105347	69.96	ng	-0.07
78) Terphenyl-d14	13.01	244	747593	55.57	ng	-0.07
Target Compounds						Qvalue
10) Phenol	6.56	94	48493	3.89	ng	82
19) n-Nitroso-di-n-propylamine	7.47	70	90639	13.35	ng	# 80
25) Isophorone	7.47	82	681438	34.95	ng	# 65
31) Naphthalene	8.21	128	63326	2.14	ng	97
49) Dimethylphthalate	9.66	163	114085	5.92	ng	98
51) Acenaphthene	9.97	154	61788	3.69	ng	96
54) Dibenzofuran	10.14	168	74370	3.32	ng	97
55) 4-Nitrophenol	10.14	139	29227	8.52	ng	# 7
57) Fluorene	10.49	166	104349	6.06	ng	100
70) Phenanthrene	11.46	178	721246	30.70	ng	97
71) Anthracene	11.50	178	209826	8.89	ng	96
72) Carbazole	11.66	167	53366	2.37	ng	98
74) Fluoranthene	12.65	202	693400	28.62	ng	95
77) Pyrene	12.88	202	581666	24.59	ng	98
80) Benzo(a)anthracene	14.07	228	300679	15.55	ng	99
82) Chrysene	14.07	228	300679	16.61	ng	97
87) Benzo(b)fluoranthene	15.11	252	424572	22.96	ng	97
88) Benzo(k)fluoranthene	15.11	252	424572	26.59	ng	# 96
89) Benzo(a)pyrene	15.46	252	215588	13.48	ng	# 92
91) Benzo(a,h,i)perylene	17.40	276	100233	7.67	ng	# 90

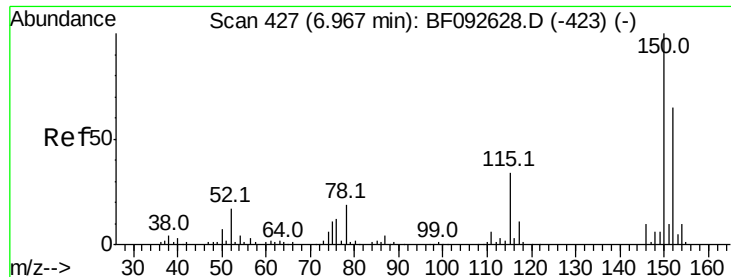
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.07 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

Instrument :

BNA_F

ClientSampled :

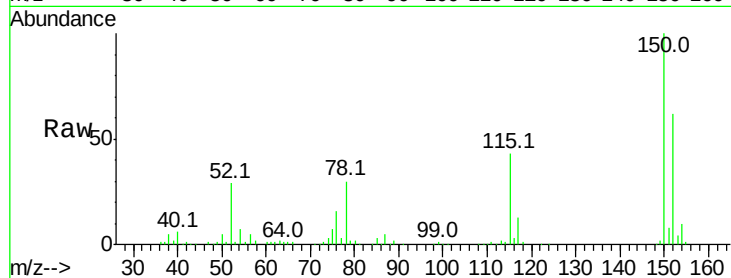
Tot Ion:152 Resp: 142245

Ion Ratio Lower Upper

152 100

150 160.7 124.9 187.3

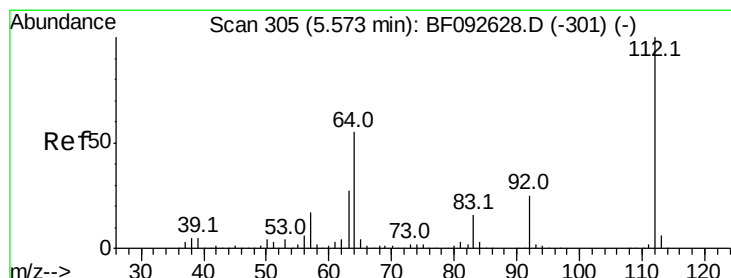
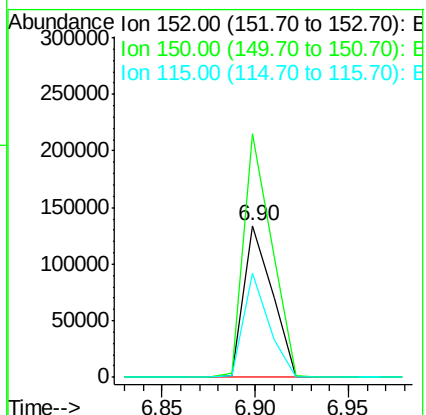
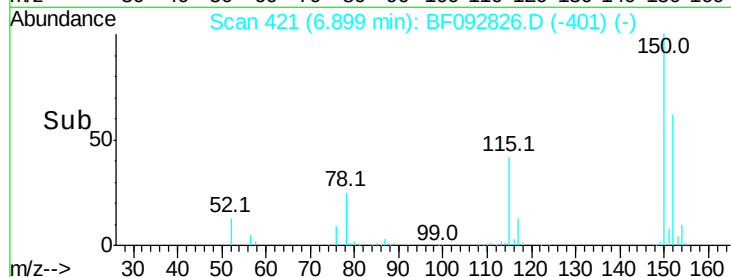
115 68.4 46.0 69.0



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: 61.24 ng

RT: 5.52 min Scan# 300

Delta R.T. -0.06 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

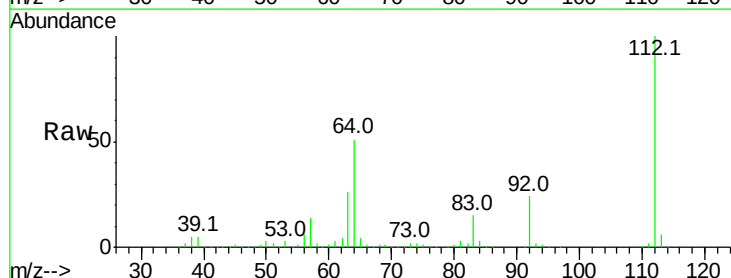
Tgt Ion:112 Resp: 507766

Ion Ratio Lower Upper

112 100

64 51.4 46.1 69.1

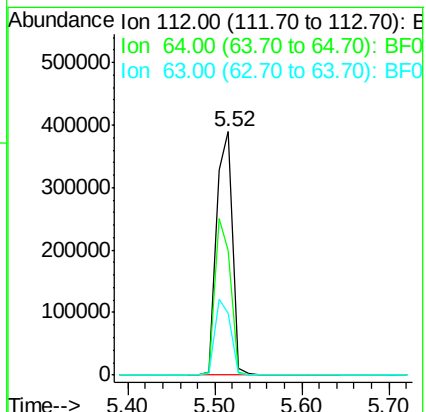
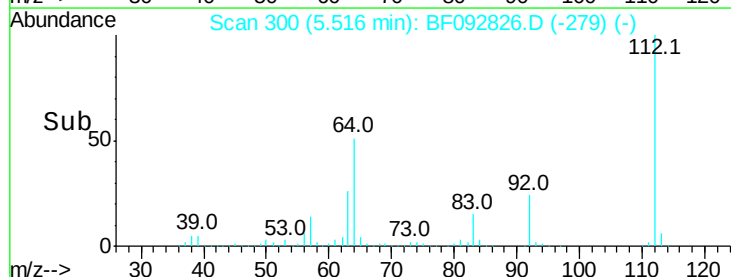
63 25.7 23.8 35.6

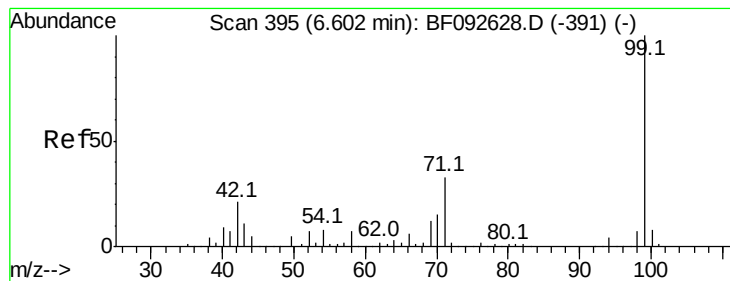


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 90.73 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.06 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

Instrument :

BNA_F

ClientSampleId :

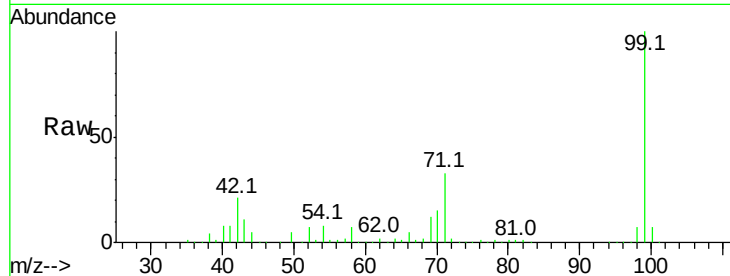
Tot Ion: 99 Resp: 967891

Ion Ratio Lower Upper

99 100

42 21.0 15.6 23.4

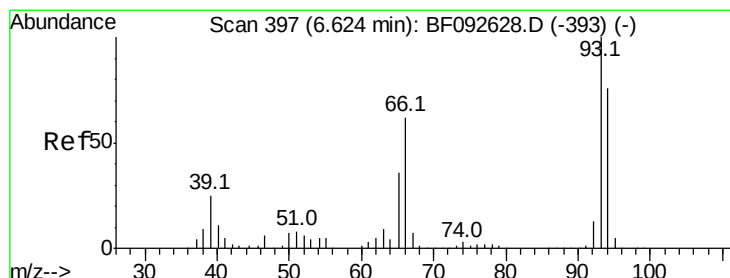
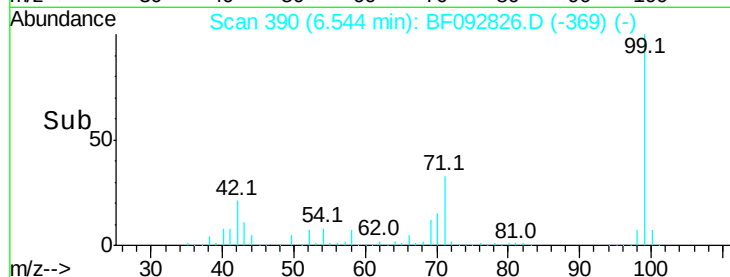
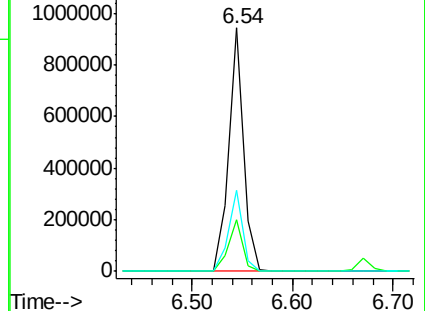
71 33.4 27.5 41.3



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: 3.89 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.07 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

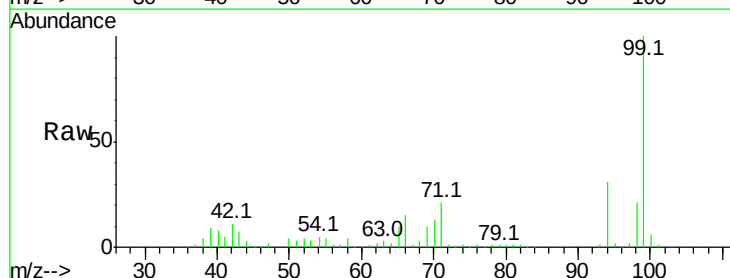
Tgt Ion: 94 Resp: 48493

Ion Ratio Lower Upper

94 100

65 33.0 21.4 61.4

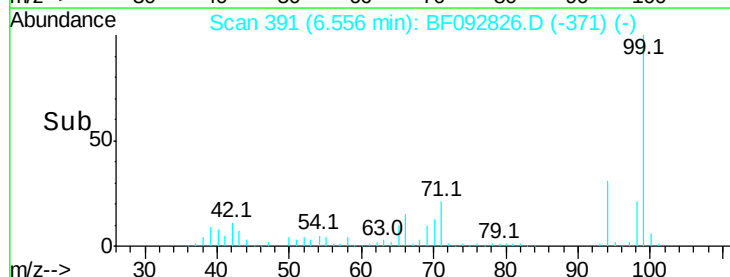
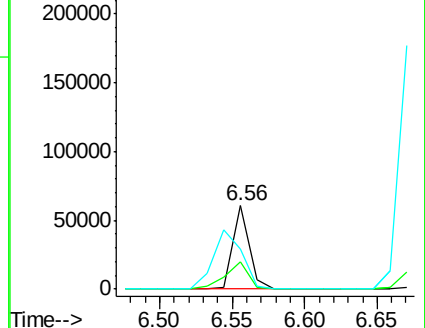
66 47.8 44.0 84.0

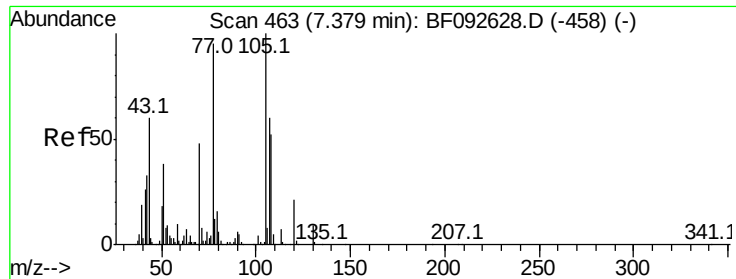


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 13.35 ng

RT: 7.47 min Scan# 471

Delta R.T. 0.09 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 90639

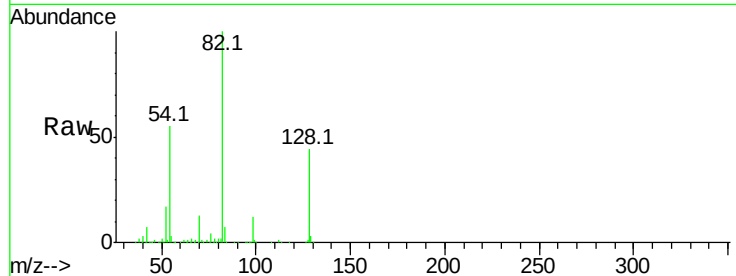
Ion Ratio Lower Upper

70 100

42 50.0 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

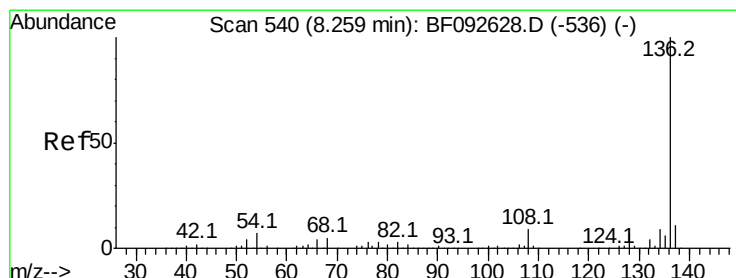
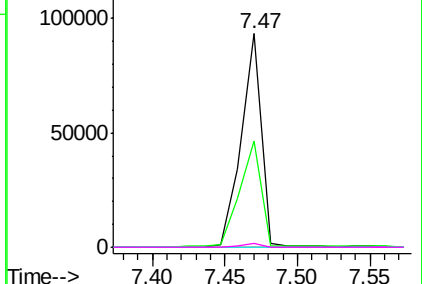
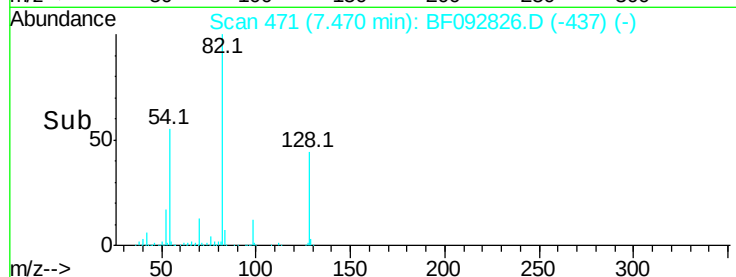


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.07 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

Tgt Ion:136 Resp: 582641

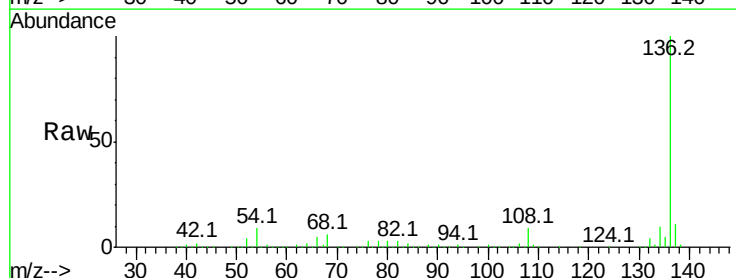
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 8.6 4.5 6.7#

68 5.8 3.6 5.4#

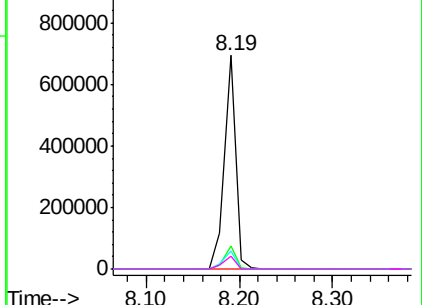
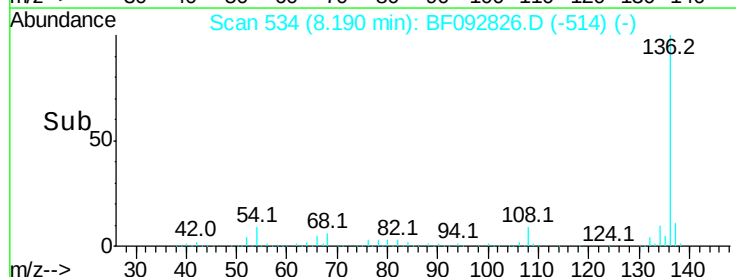


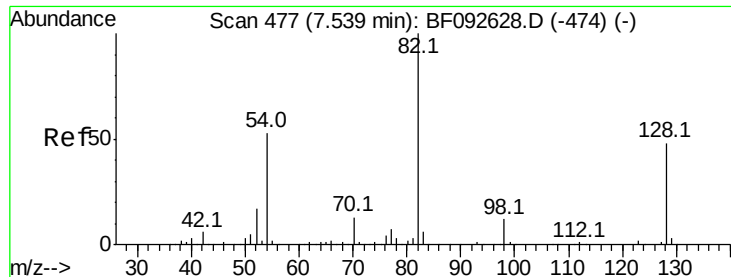
Abundance Ion 136.00 (135.70 to 136.70): E

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

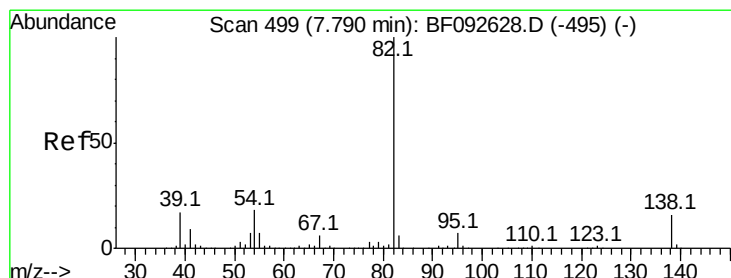
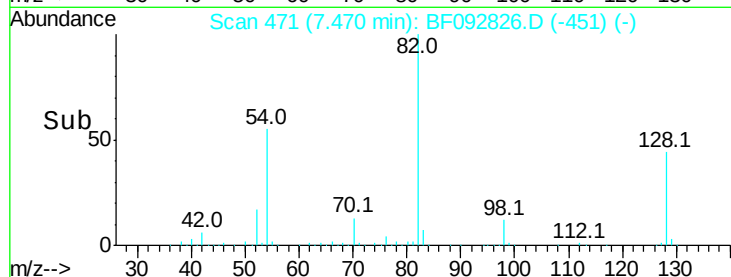
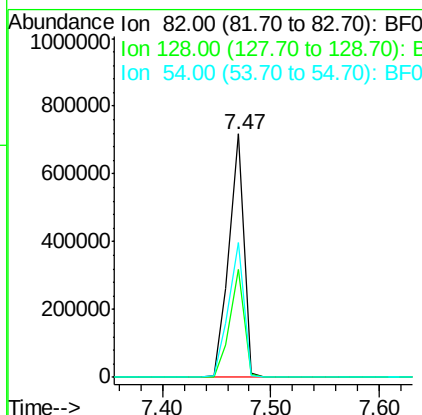
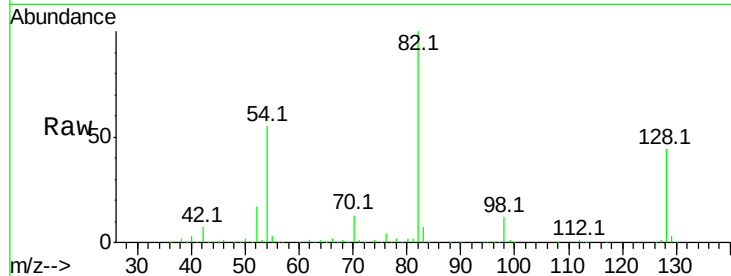




#23
 Nitrobenzene-d5
 Concen: 65.89 ng
 RT: 7.47 min Scan# 471
 Delta R.T. -0.07 min
 Lab File: BF092826.D
 Acq: 7 Feb 2017 13:54

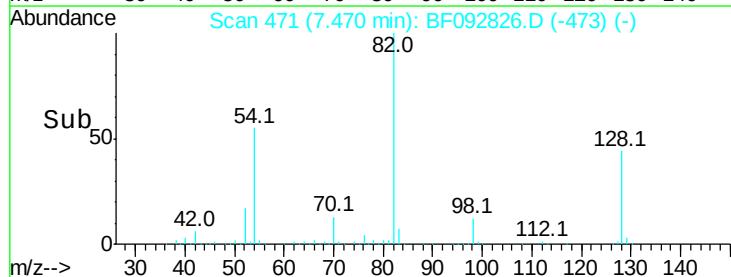
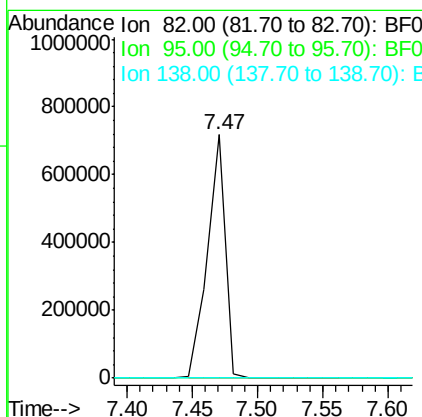
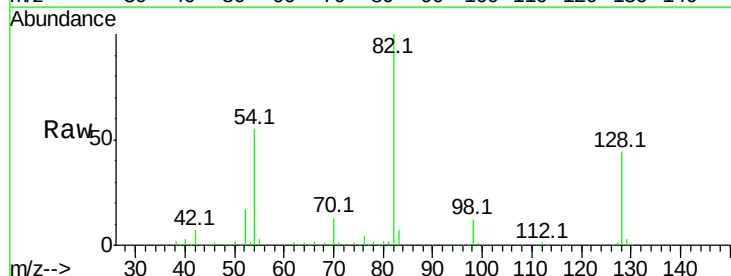
Instrument :
 BNA_F
 ClientSampled :

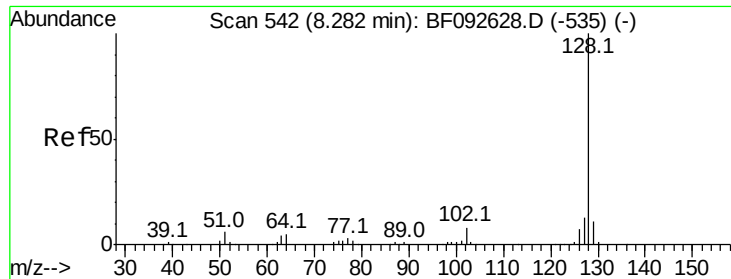
Tot Ion	82	Resp	689344
Ion Ratio	Lower	Upper	
82	100		
128	44.4	34.6	52.0
54	55.3	39.5	59.3



#25
 Isophorone
 Concen: 34.95 ng
 RT: 7.47 min Scan# 471
 Delta R.T. -0.32 min
 Lab File: BF092826.D
 Acq: 7 Feb 2017 13:54

Tgt Ion	82	Resp	681438
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#

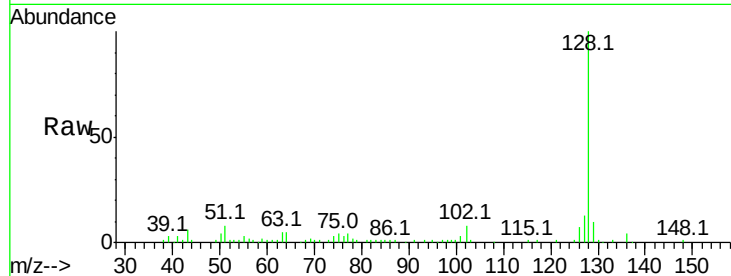




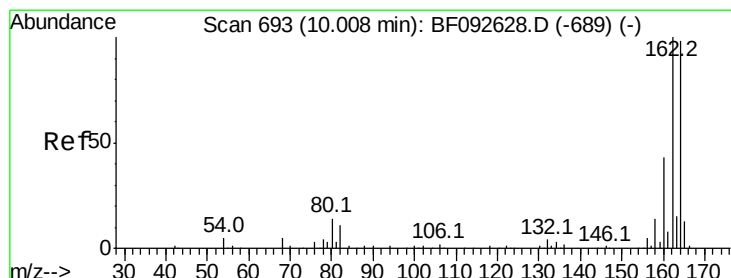
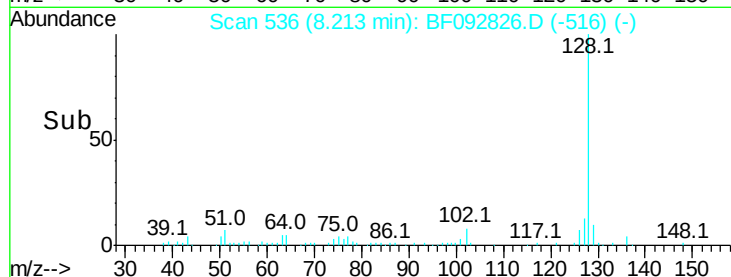
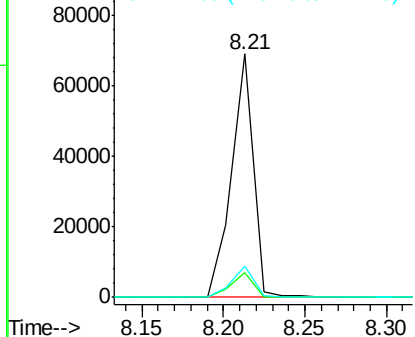
#31
Naphthalene
Concen: 2.14 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.07 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 63326
Ion Ratio Lower Upper
128 100
129 10.4 9.5 14.3
127 12.7 10.8 16.2

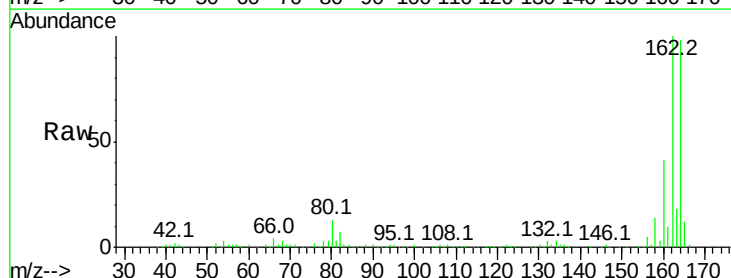


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

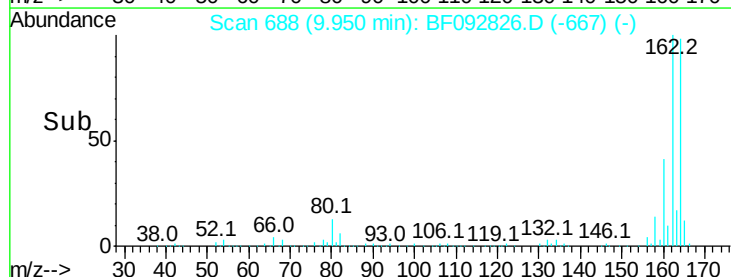
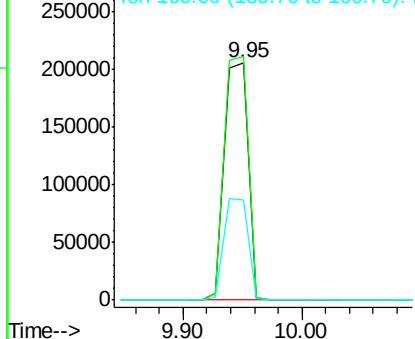


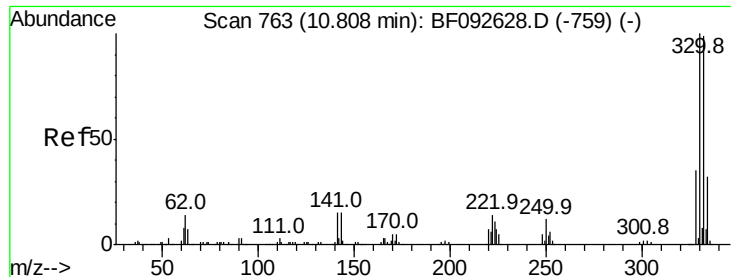
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.06 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Tgt Ion:164 Resp: 286224
Ion Ratio Lower Upper
164 100
162 102.5 80.2 120.2
160 41.9 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

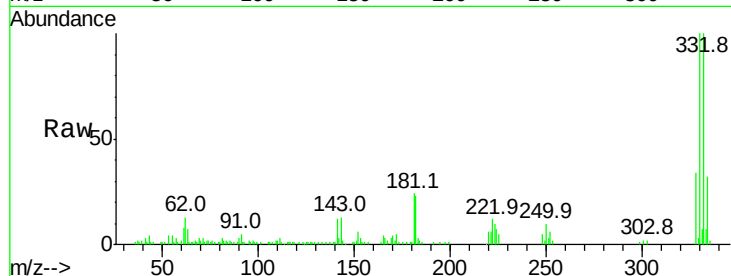




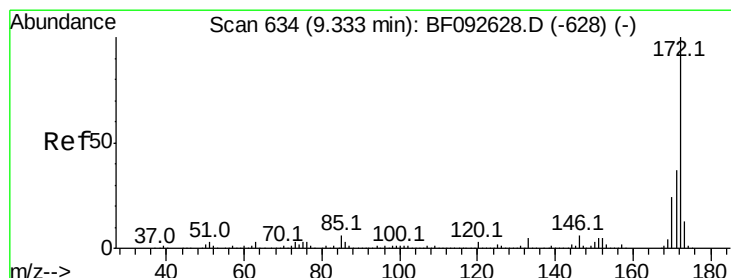
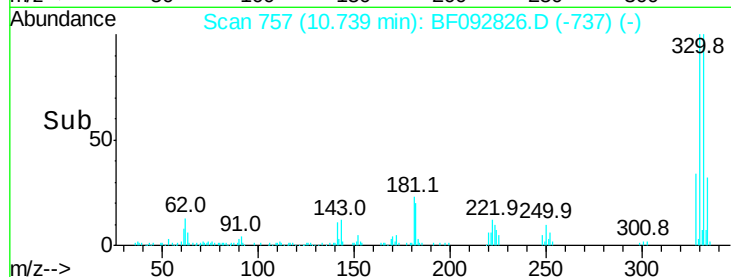
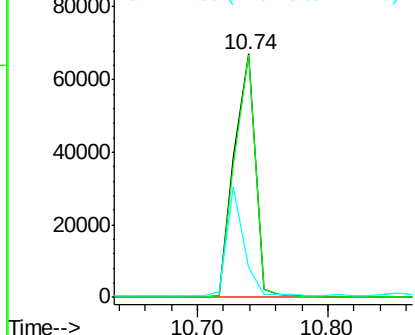
#41
 2,4,6-Tribromophenol
 Concen: 36.33 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.07 min
 Lab File: BF092826.D
 Acq: 7 Feb 2017 13:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 75199
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.4 116.2
 141 36.7 34.1 51.1

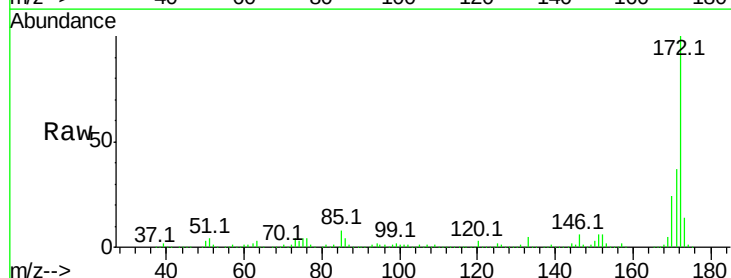


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

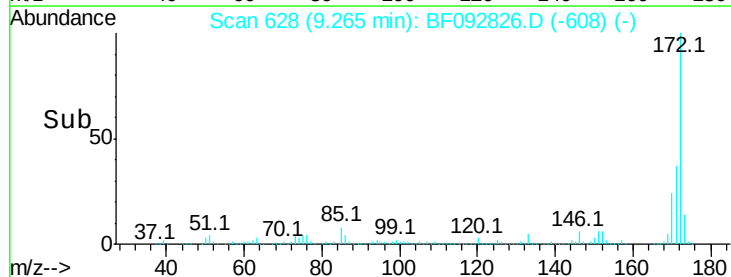
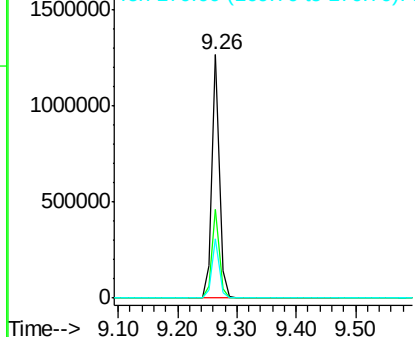


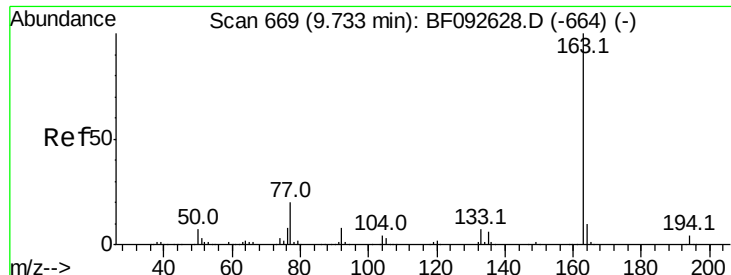
#44
 2-Fluorobiphenyl
 Concen: 69.96 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.07 min
 Lab File: BF092826.D
 Acq: 7 Feb 2017 13:54

Tgt Ion:172 Resp: 1105347
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.5 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

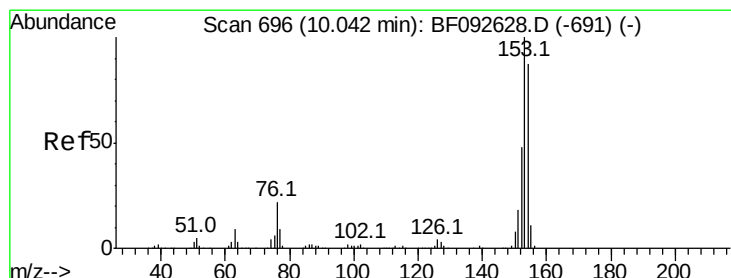
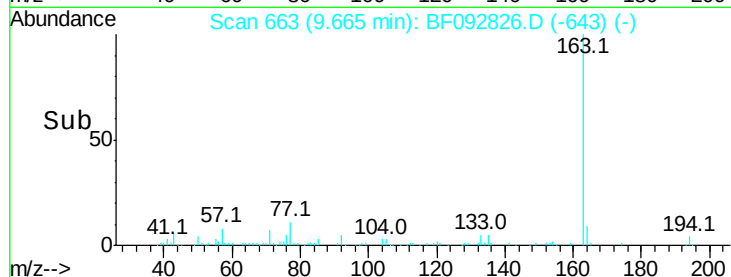
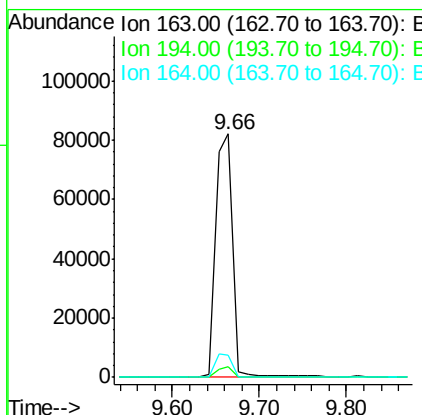
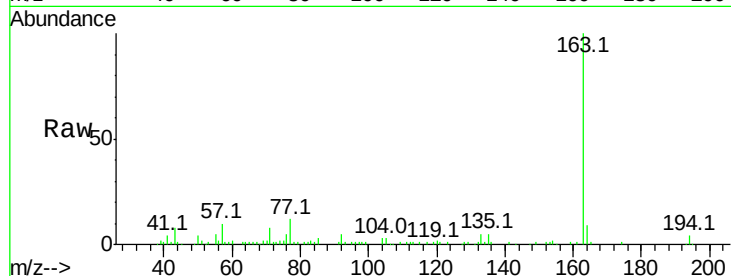




#49
Dimethylphthalate
Concen: 5.92 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.07 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

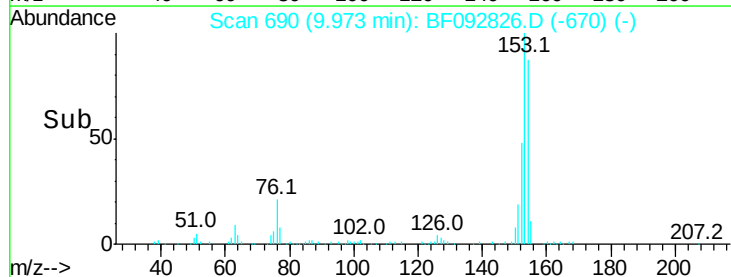
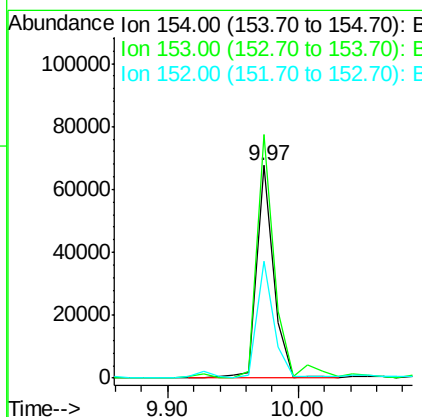
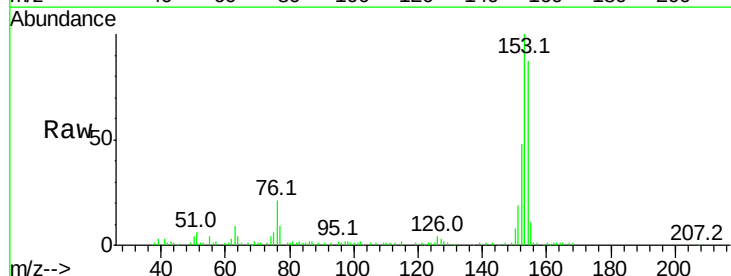
Instrument :
BNA_F
ClientSampleId :

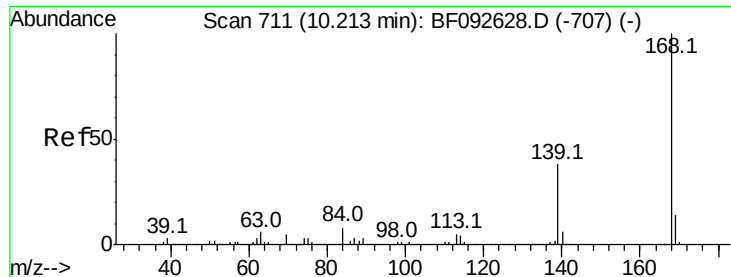
Tot Ion:163 Resp: 114085
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.4
164 9.2 8.0 12.0



#51
Acenaphthene
Concen: 3.69 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.07 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Tgt Ion:154 Resp: 61788
Ion Ratio Lower Upper
154 100
153 114.4 88.6 133.0
152 55.0 41.6 62.4

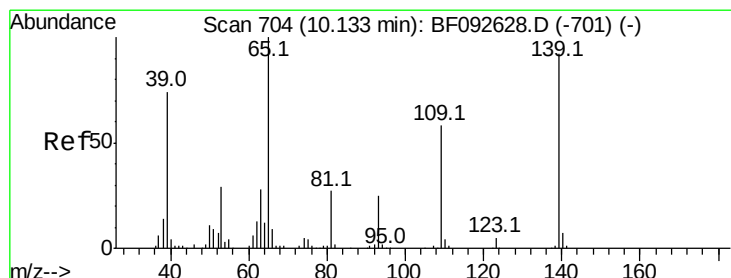
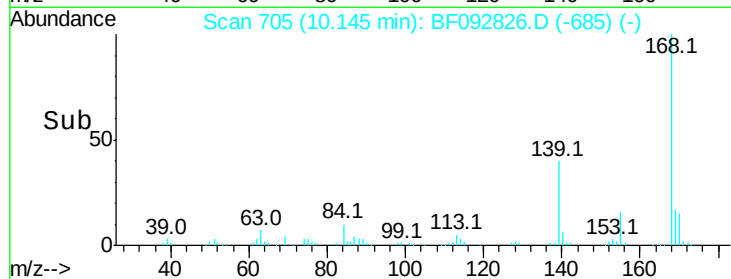
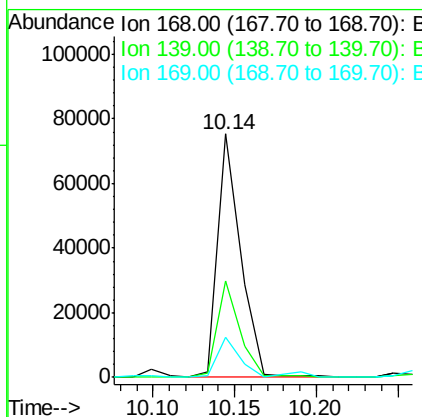
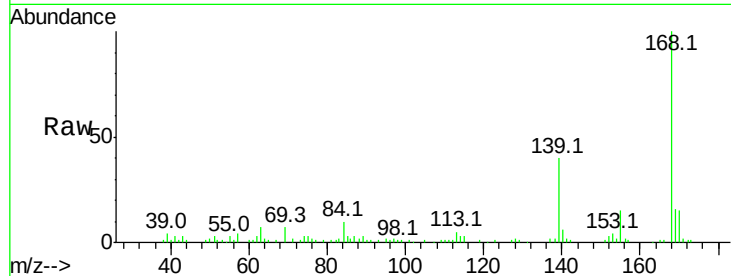




#54
Dibenzofuran
Concen: 3.32 ng
RT: 10.14 min Scan# 705
Delta R.T. -0.07 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

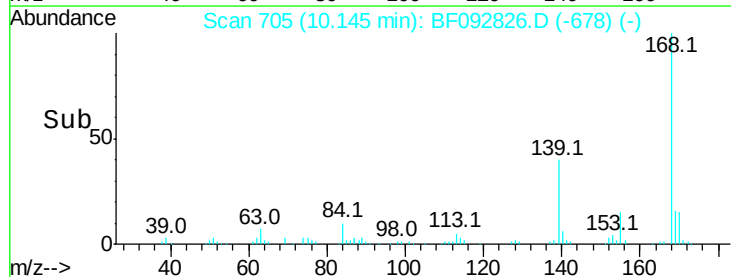
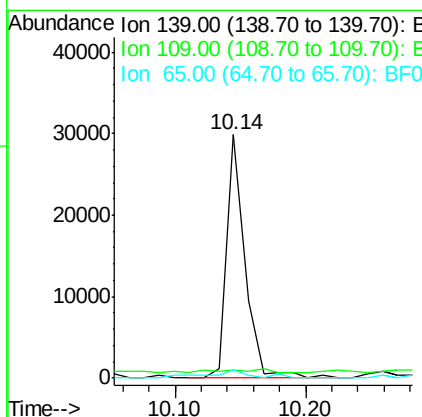
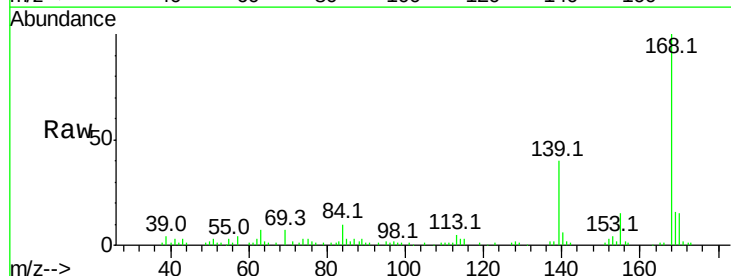
Instrument :
BNA_F
ClientSampleId :

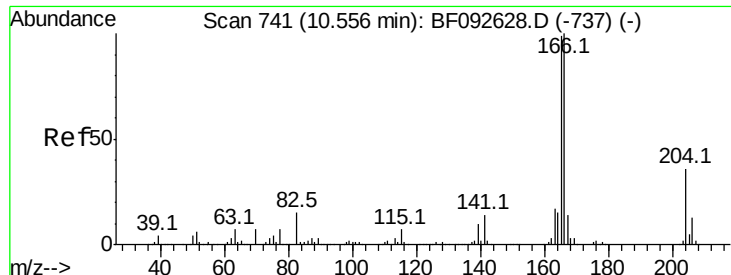
Tot Ion:168 Resp: 74370
Ion Ratio Lower Upper
168 100
139 39.6 32.6 49.0
169 16.5 11.3 16.9



#55
4-Nitrophenol
Concen: 8.52 ng
RT: 10.14 min Scan# 705
Delta R.T. 0.01 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Tgt Ion:139 Resp: 29227
Ion Ratio Lower Upper
139 100
109 3.4 52.2 92.2#
65 3.2 85.8 125.8#

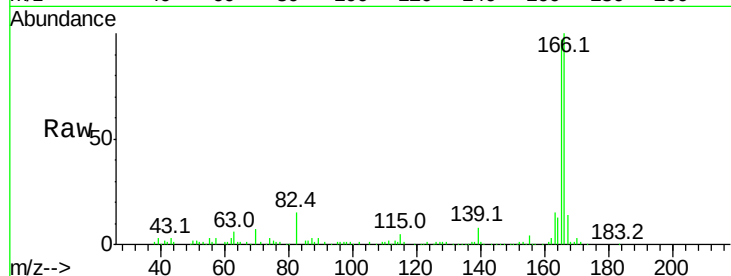




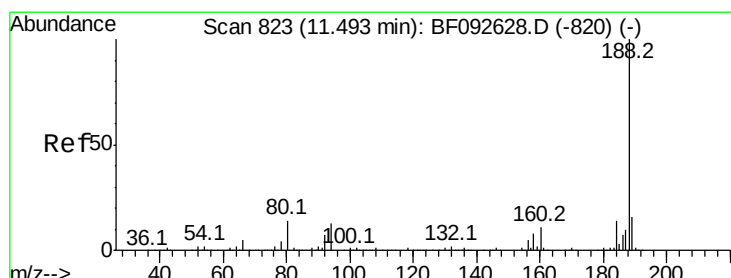
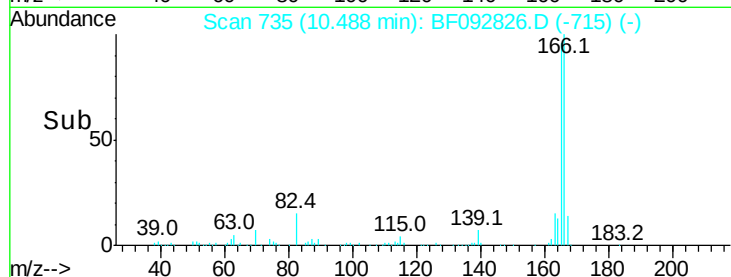
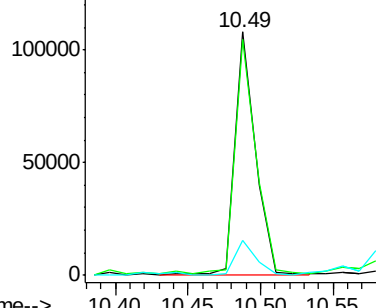
#57
Fluorene
Concen: 6.06 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.07 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:166 Resp: 104349
Ion Ratio Lower Upper
166 100
165 97.1 77.8 116.8
167 14.4 10.8 16.2

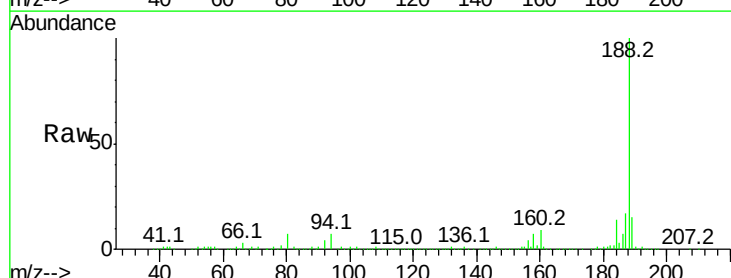


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

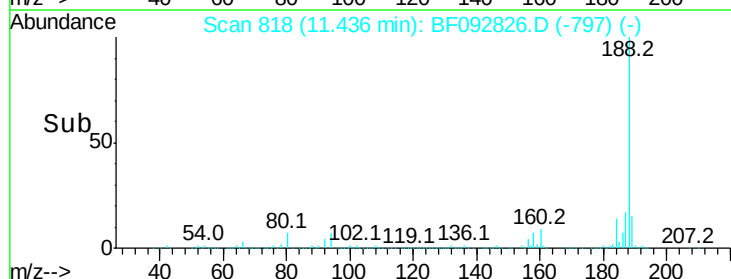
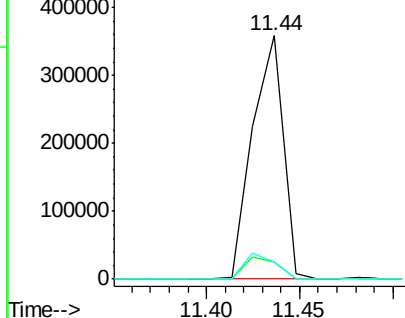


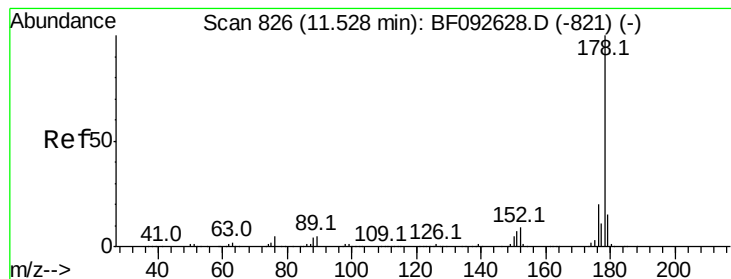
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.06 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Tgt Ion:188 Resp: 410021
Ion Ratio Lower Upper
188 100
94 7.1 10.0 15.0#
80 7.1 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: 30.70 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.07 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

Instrument :

BNA_F

ClientSampled :

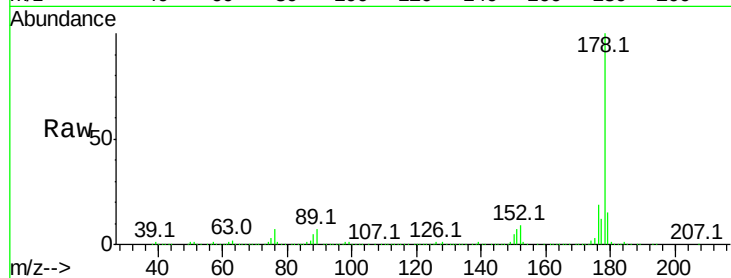
Tot Ion:178 Resp: 721246

Ion Ratio Lower Upper

178 100

176 19.3 16.6 25.0

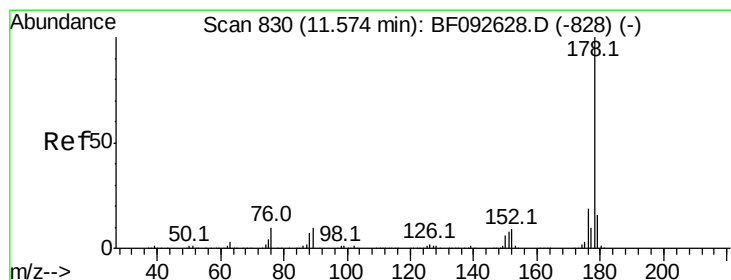
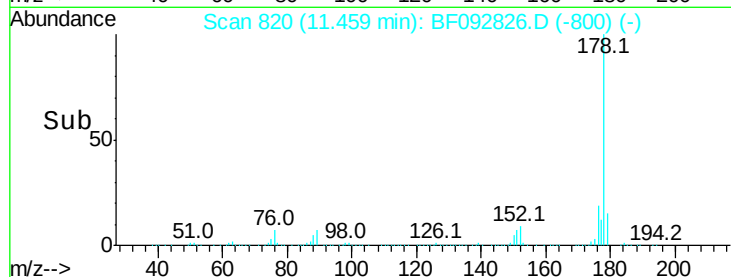
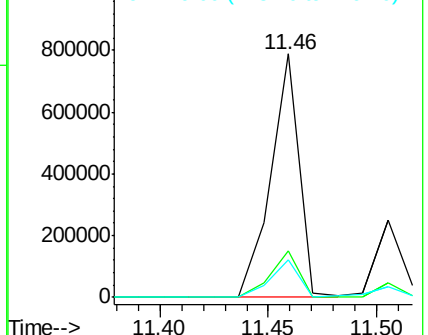
179 15.3 12.8 19.2



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: 8.89 ng

RT: 11.50 min Scan# 824

Delta R.T. -0.07 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

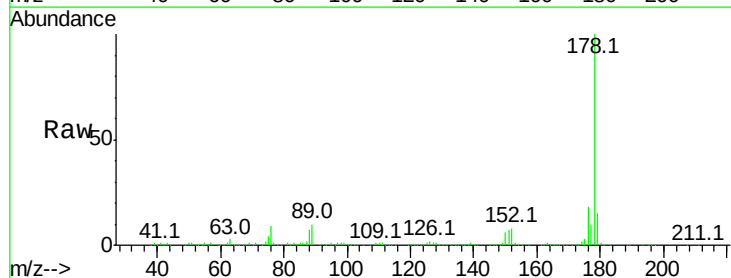
Tgt Ion:178 Resp: 209826

Ion Ratio Lower Upper

178 100

176 18.2 15.9 23.9

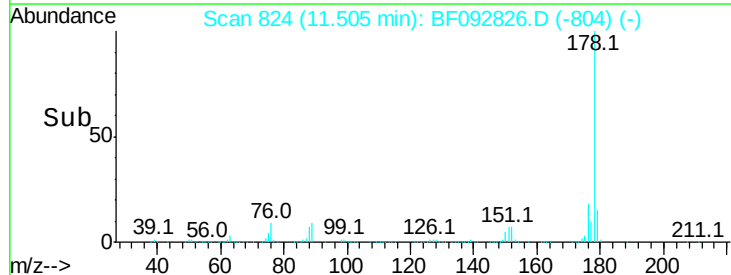
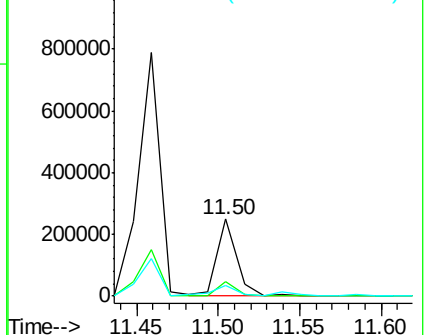
179 14.7 13.2 19.8

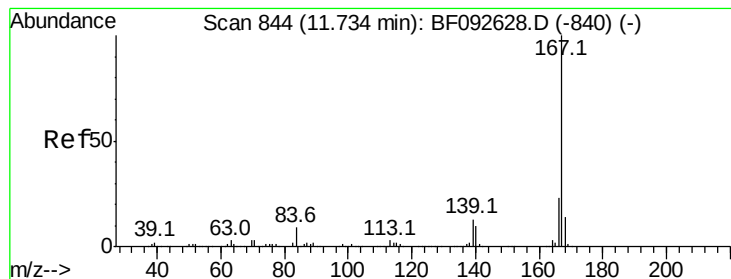


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.37 ng

RT: 11.66 min Scan# 838

Delta R.T. -0.07 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

Instrument :

BNA_F

ClientSampleId :

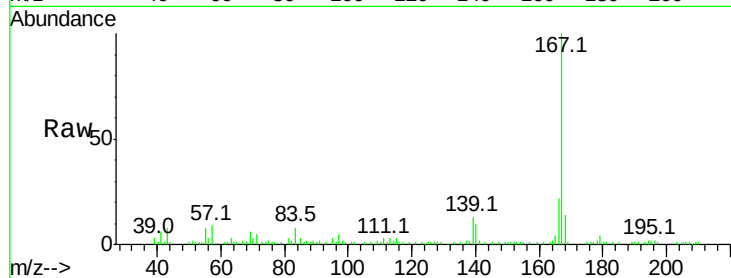
Tot Ion:167 Resp: 53366

Ion Ratio Lower Upper

167 100

166 22.1 18.2 27.2

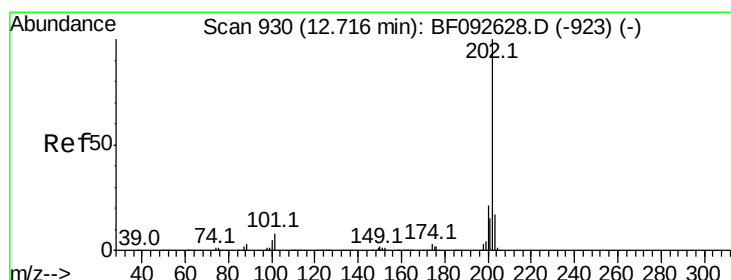
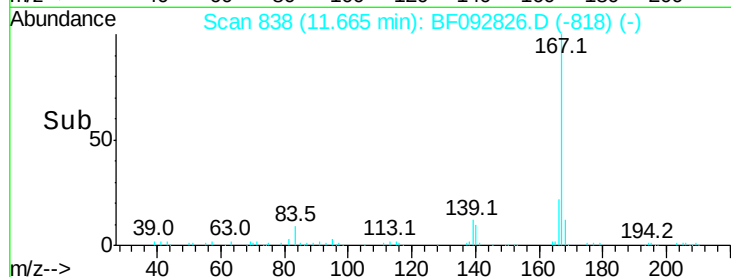
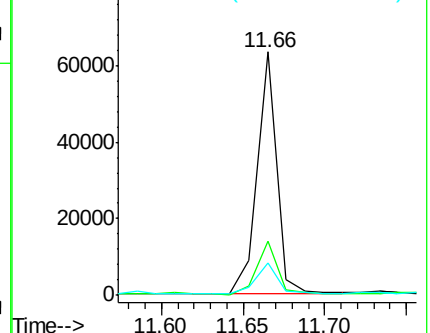
139 13.1 11.4 17.2



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: 28.62 ng

RT: 12.65 min Scan# 924

Delta R.T. -0.07 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

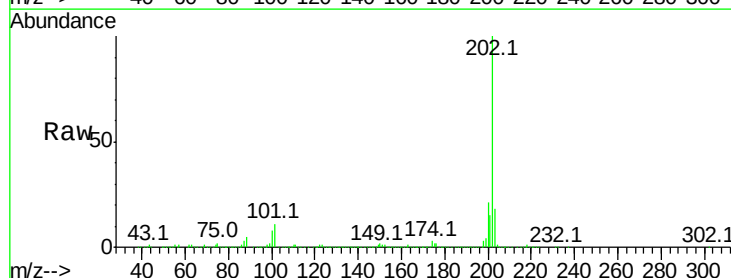
Tgt Ion:202 Resp: 693400

Ion Ratio Lower Upper

202 100

101 11.1 0.0 34.6

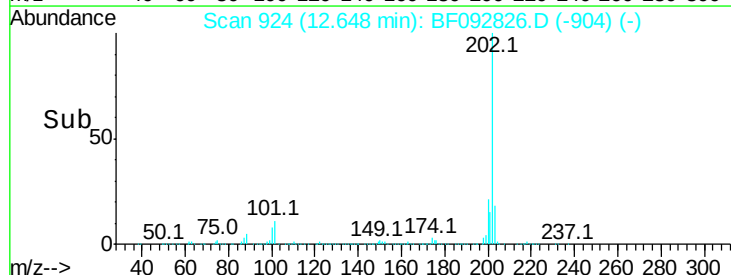
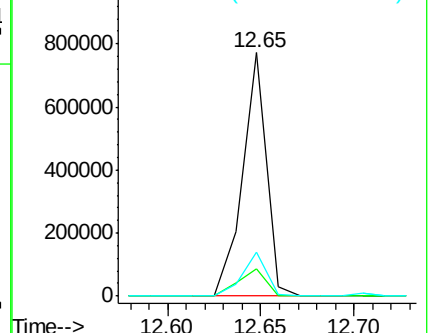
203 18.0 0.0 38.7

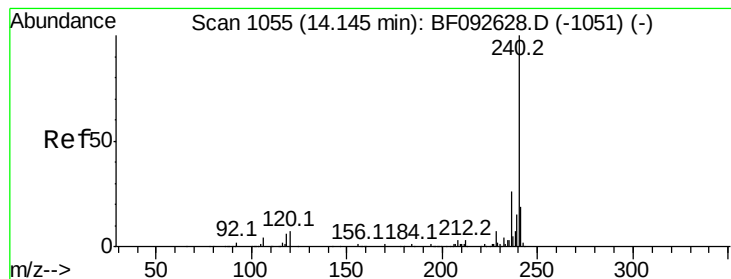


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.08 min Scan# 1049

Delta R.T. -0.07 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

Instrument :

BNA_F

ClientSampleId :

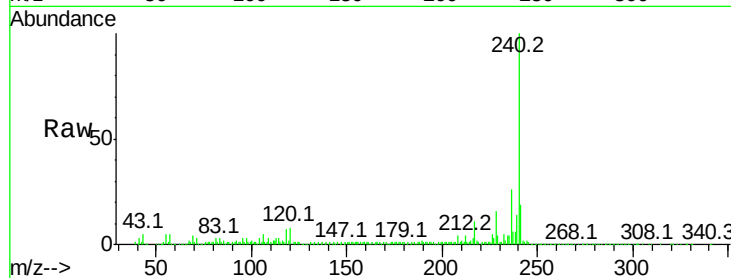
Tot Ion:240 Resp: 316121

Ion Ratio Lower Upper

240 100

120 8.0 12.9 19.3#

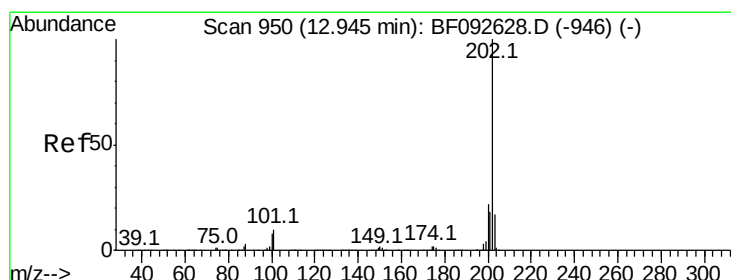
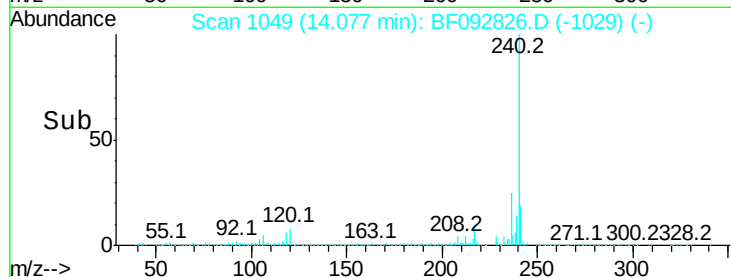
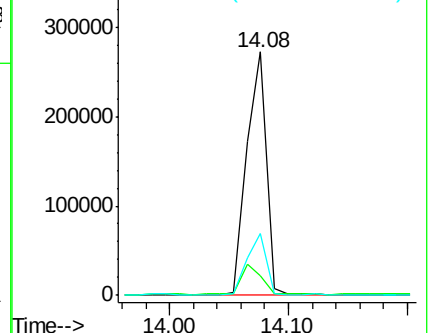
236 25.5 20.9 31.3



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



#77

Pyrene

Concen: 24.59 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.07 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

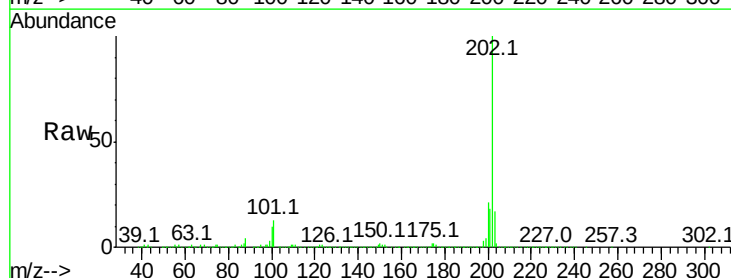
Tgt Ion:202 Resp: 581666

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

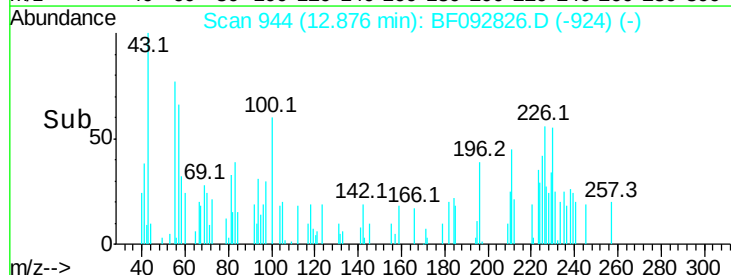
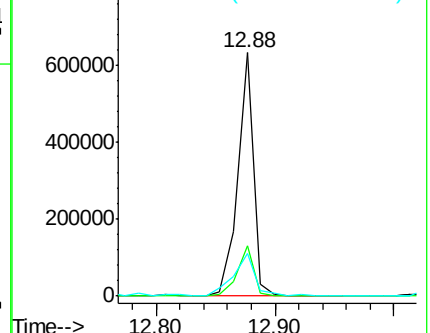
203 17.5 14.7 22.1

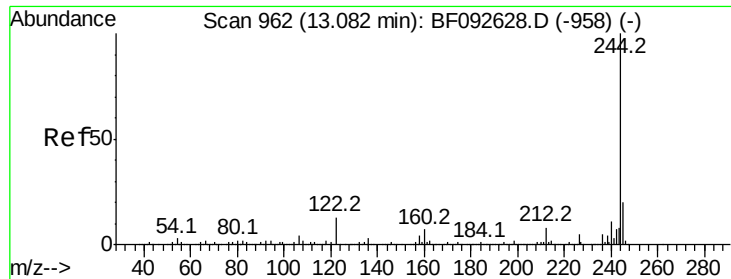


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.57 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.07 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

Instrument :

BNA_F

ClientSampleId :

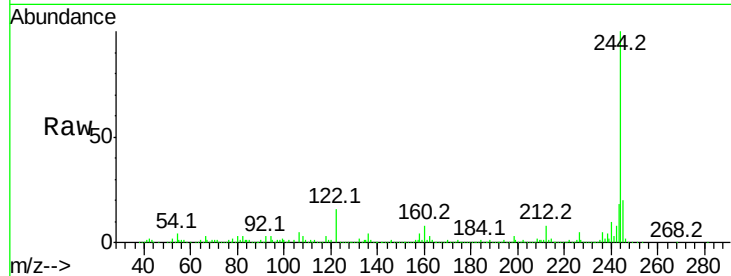
Tot Ion:244 Resp: 747593

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

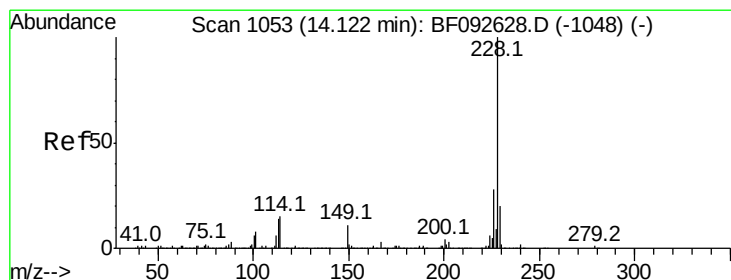
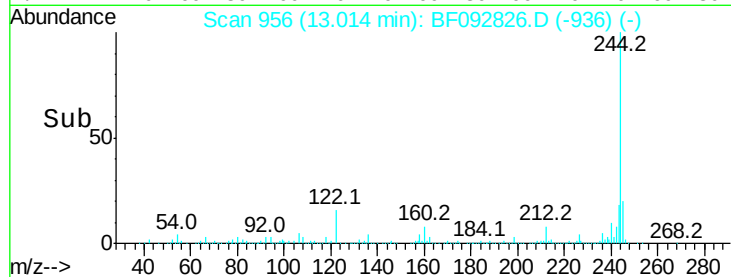
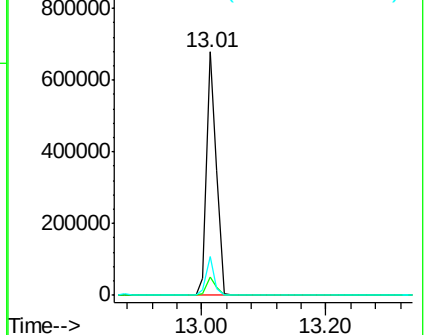
122 15.7 11.4 17.2



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: 15.55 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.06 min

Lab File: BF092826.D

Acq: 7 Feb 2017 13:54

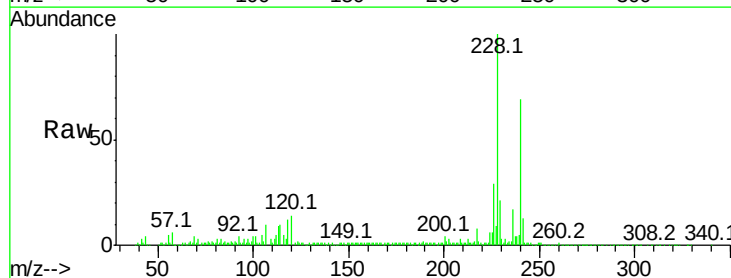
Tgt Ion:228 Resp: 300679

Ion Ratio Lower Upper

228 100

226 28.9 22.4 33.6

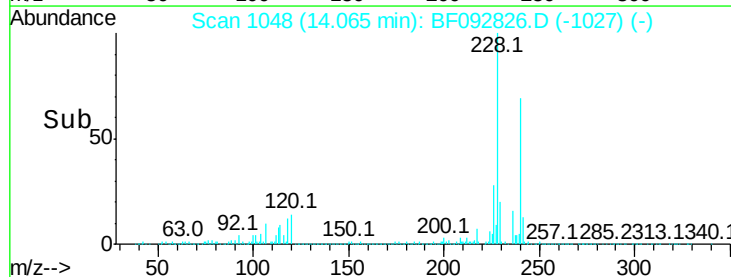
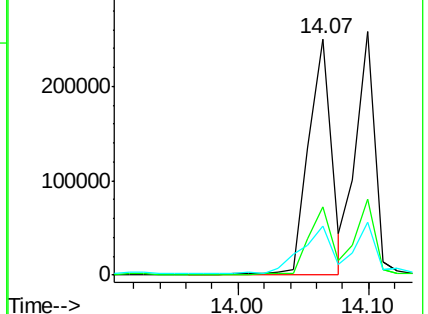
229 20.6 16.2 24.4

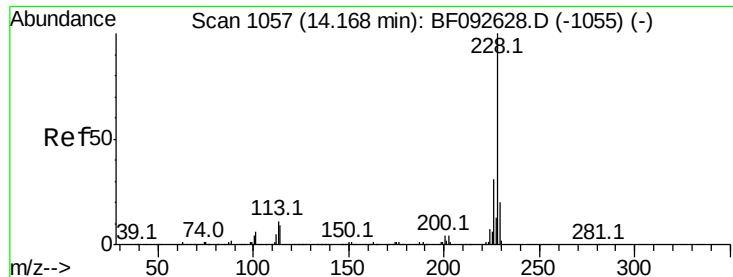


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

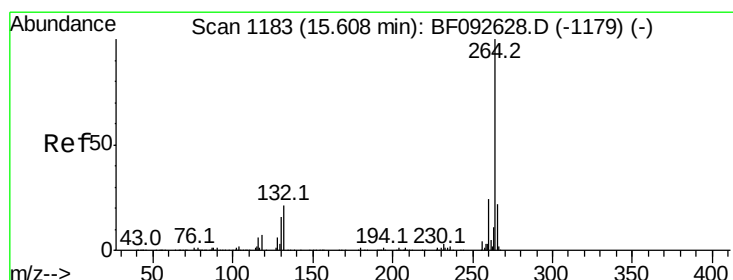
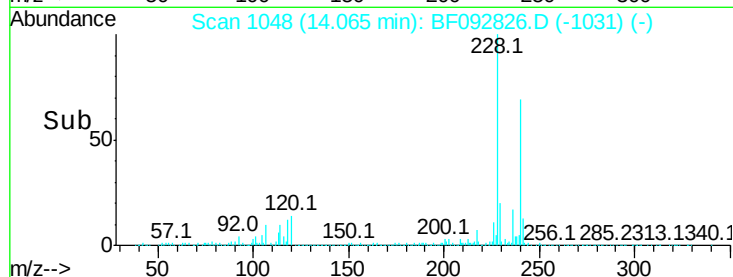
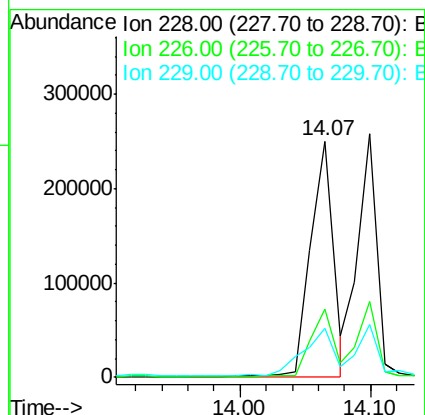
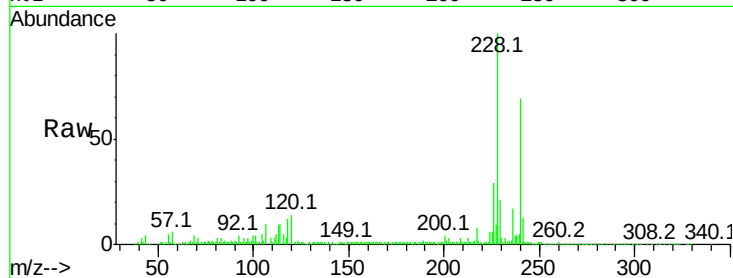




#82
Chrysene
Concen: 16.61 ng
RT: 14.07 min Scan# 1048
Delta R.T. -0.10 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

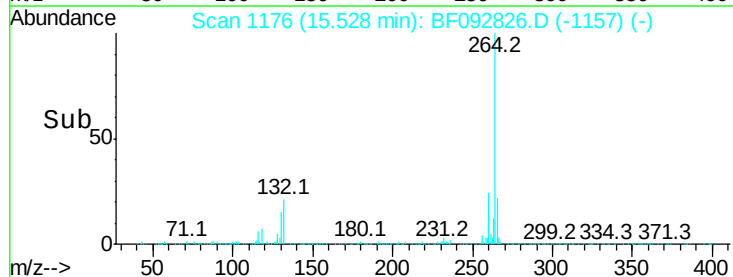
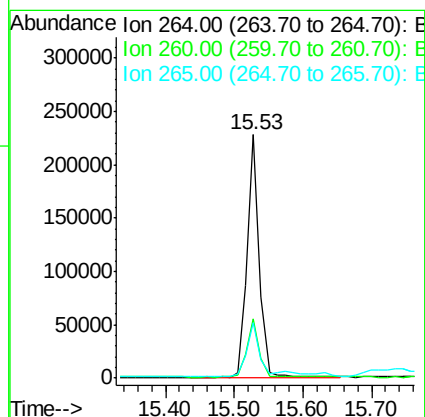
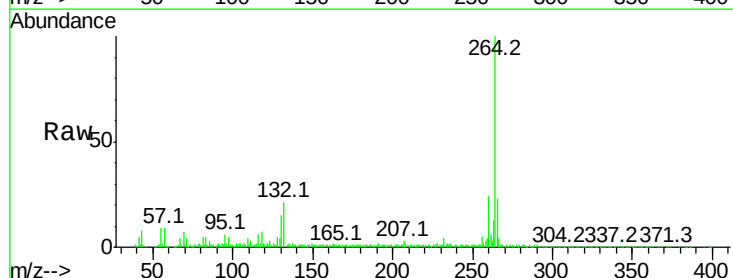
Instrument :
BNA_F
ClientSampleId :

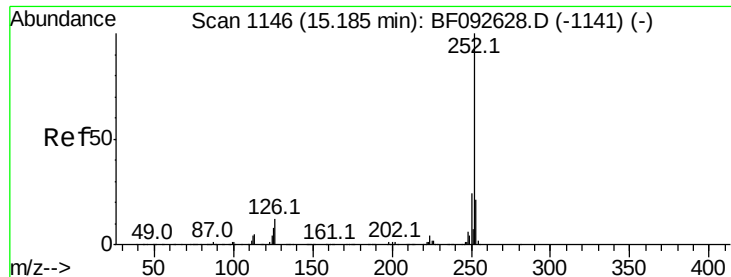
Tot Ion:228 Resp: 300679
Ion Ratio Lower Upper
228 100
226 28.9 25.4 38.0
229 20.6 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1176
Delta R.T. -0.08 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Tgt Ion:264 Resp: 280991
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 22.6 17.4 26.0

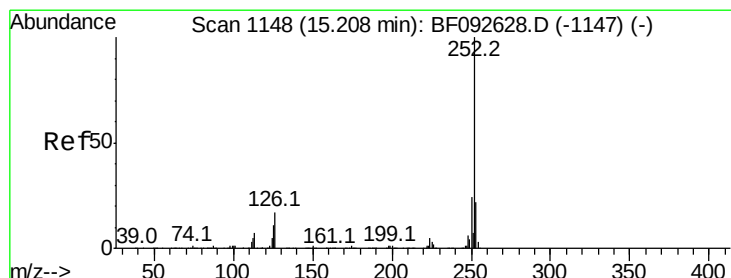
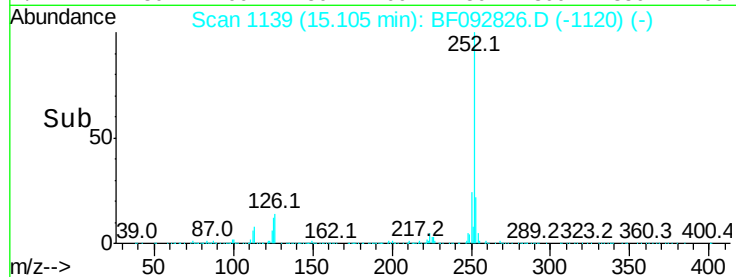
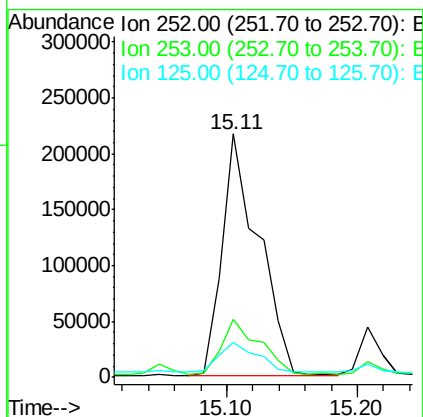
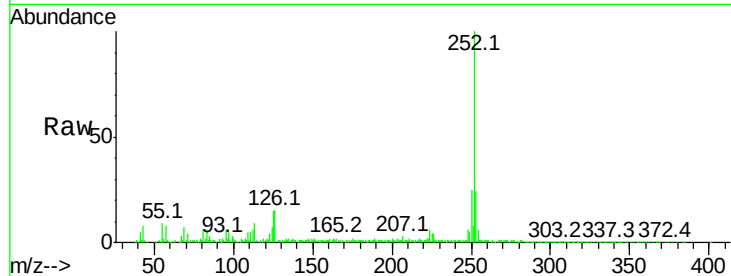




#87
Benzo(b)fluoranthene
Concen: 22.96 ng
RT: 15.11 min Scan# 1139
Delta R.T. -0.08 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

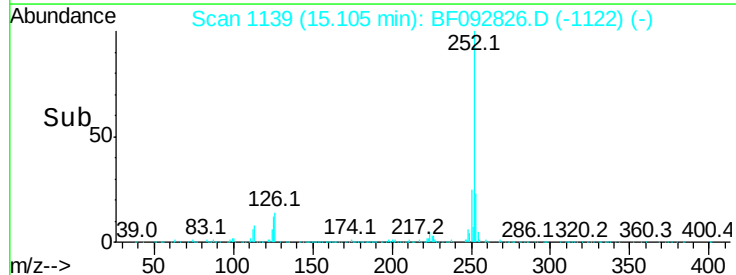
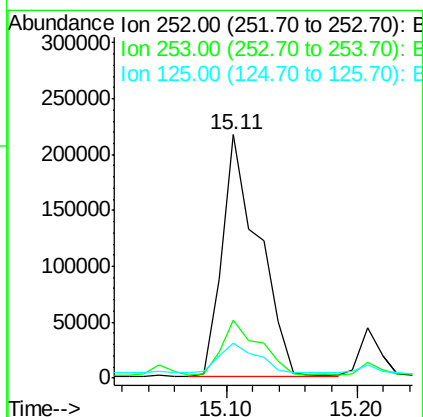
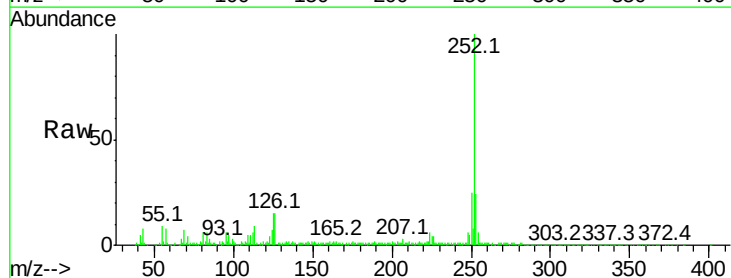
Instrument :
BNA_F
ClientSampleId :

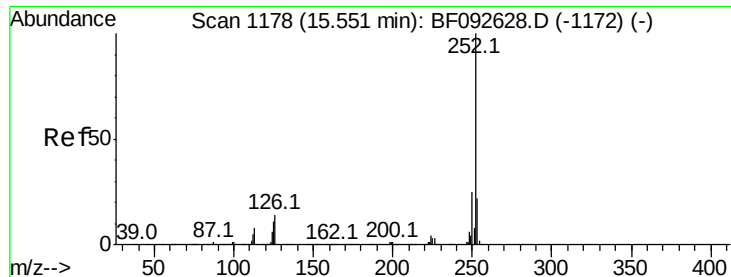
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	14.5	9.8	14.6



#88
Benzo(k)fluoranthene
Concen: 26.59 ng
RT: 15.11 min Scan# 1139
Delta R.T. -0.10 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.5	27.7
125	14.5	8.9	13.3#

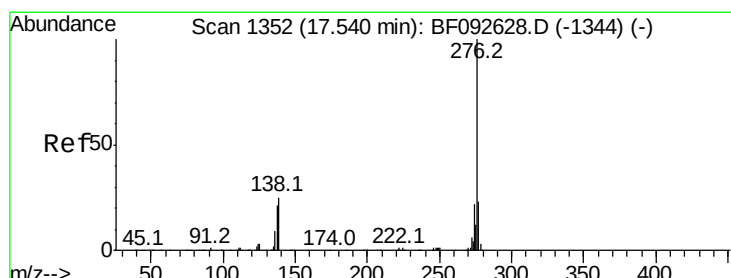
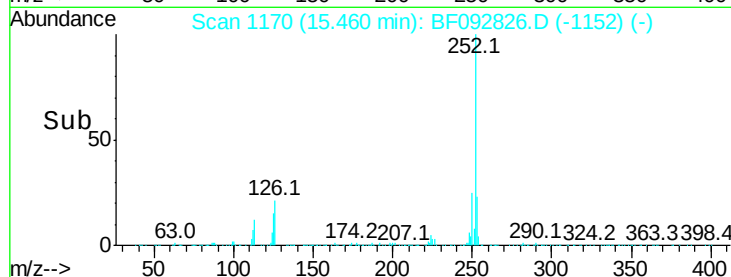
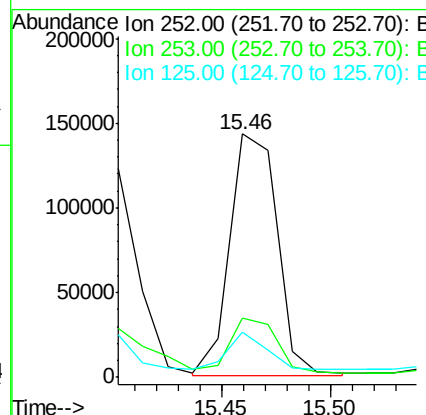
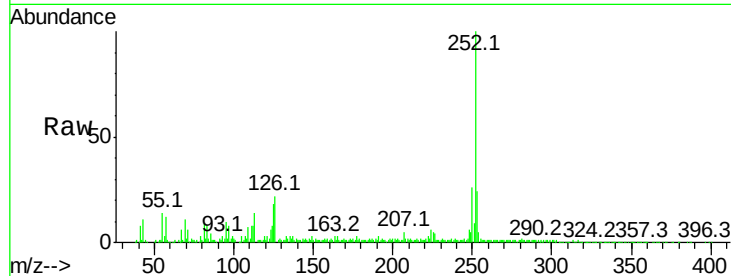




#89
Benzo(a)pyrene
Concen: 13.48 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.09 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.2
125	18.3	10.0	15.0



#91
Benzo(g,h,i)perylene
Concen: 7.67 ng
RT: 17.40 min Scan# 1340
Delta R.T. -0.14 min
Lab File: BF092826.D
Acq: 7 Feb 2017 13:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	29.8	16.0	24.0

