

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
 Data File : BF094271.D
 Acq On : 7 Apr 2017 14:24
 Operator : SJ/MA
 Sample : I2528-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-1

Quant Time: Apr 07 15:19:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 07 14:38:56 2017
 Response via : Initial Calibration

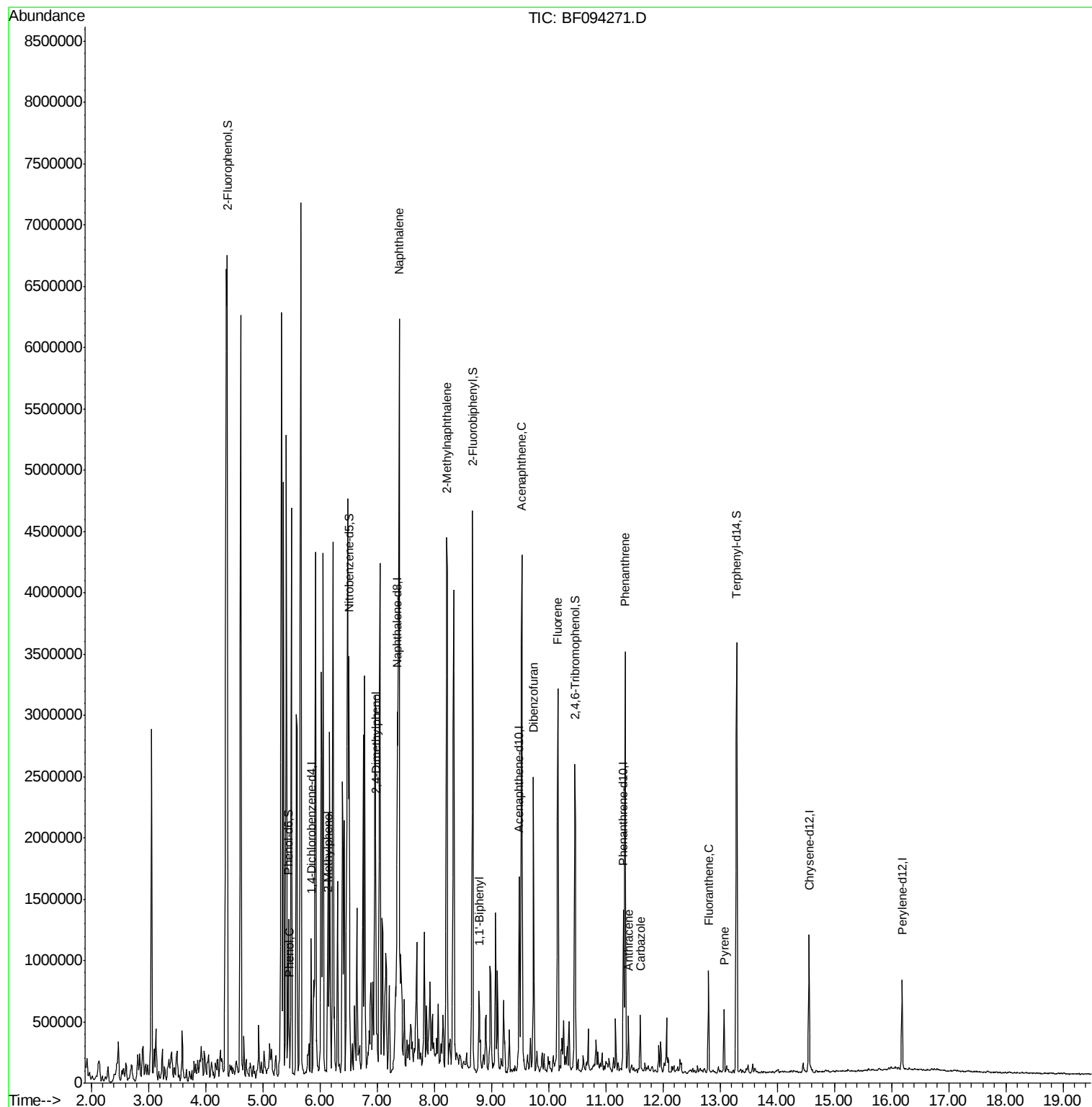
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	184577	20.00	ng	0.00
21) Naphthalene-d8	7.35	136	690656	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	338881	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	583262	20.00	ng	0.00
75) Chrysene-d12	14.56	240	430667	20.00	ng	-0.01
86) Perylene-d12	16.19	264	290850	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	462737	42.34	ng	0.01
7) Phenol-d6	5.46	99	499392	36.94	ng	0.00
23) Nitrobenzene-d5	6.50	82	955732	78.97	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	332856	124.30	ng	0.00
44) 2-Fluorobiphenyl	8.67	172	1839587	82.80	ng	0.00
78) Terphenyl-d14	13.29	244	1382139	71.94	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.47	94	49178	3.20	ng	88
17) 2-Methylphenol	6.16	107	53234	5.17	ng	# 82
27) 2,4-Dimethylphenol	6.98	122	42865	4.37	ng	92
31) Naphthalene	7.39	128	3962939	119.33	ng	97
37) 2-Methylnaphthalene	8.22	142	1710977	77.29	ng	100
45) 1,1'-Biphenyl	8.79	154	183959	6.73	ng	97
51) Acenaphthene	9.53	154	1172895	56.53	ng	99
54) Dibenzofuran	9.75	168	1187851	42.05	ng	98
57) Fluorene	10.16	166	1077718	46.01	ng	99
70) Phenanthrene	11.35	178	1535077	47.31	ng	99
71) Anthracene	11.40	178	181011	5.42	ng	97
72) Carbazole	11.60	167	190945	5.57	ng	96
74) Fluoranthene	12.80	202	357509	10.76	ng	99
77) Pyrene	13.07	202	209355	6.70	ng	98

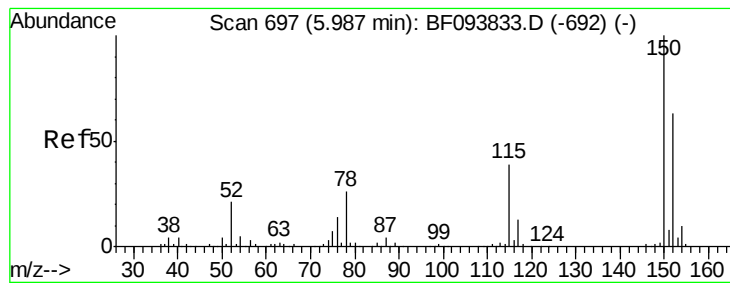
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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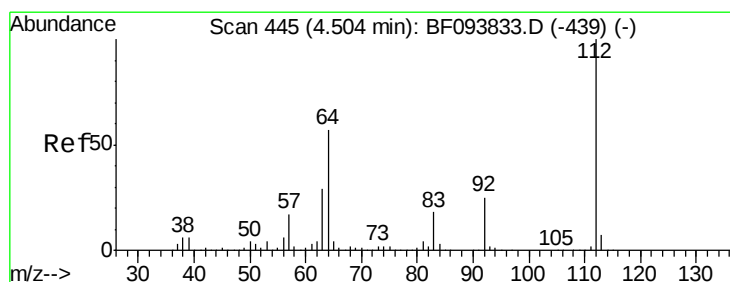
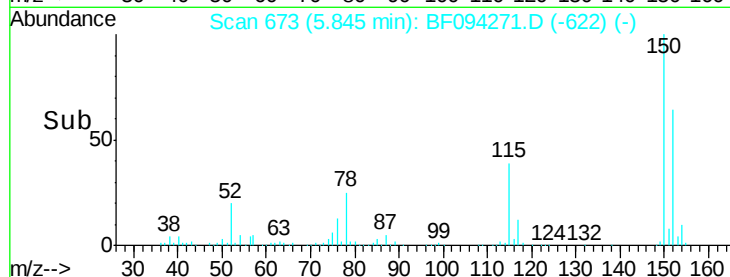
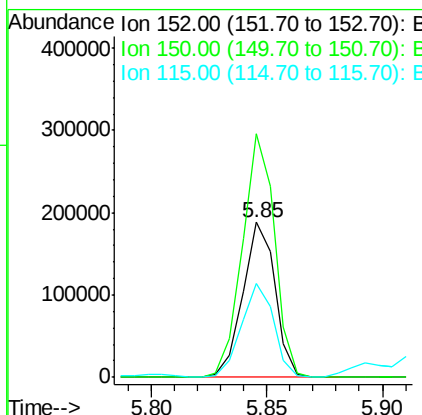
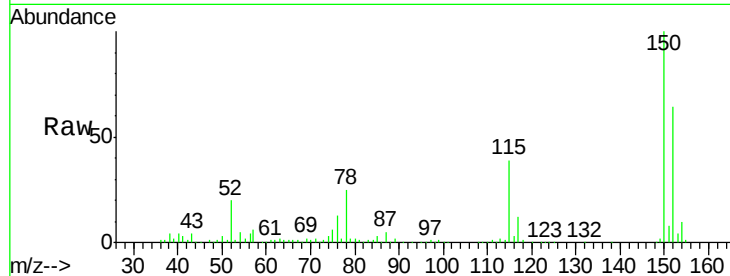


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 673
Delta R.T. 0.00 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

Instrument :
BNA_F
ClientSampleId :
TW-1

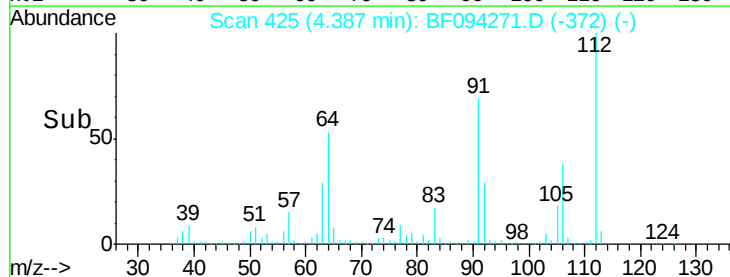
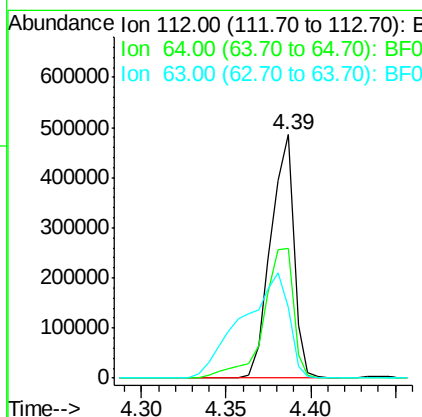
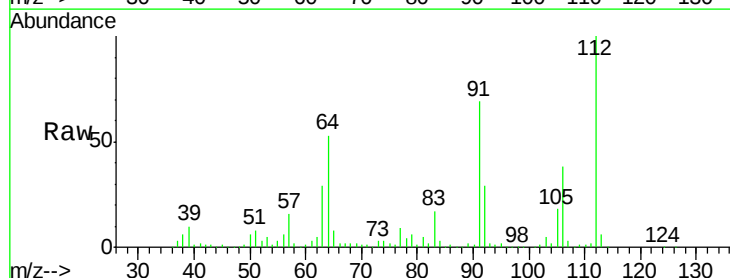
Tot Ion:152 Resp: 184577
Ion Ratio Lower Upper
152 100
150 157.0 126.2 189.2
115 60.7 52.2 78.2

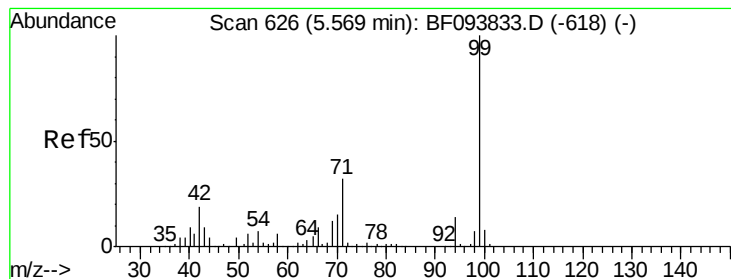


#5

2-Fluorophenol
Concen: 42.34 ng
RT: 4.39 min Scan# 425
Delta R.T. 0.01 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

Tgt Ion:112 Resp: 462737
Ion Ratio Lower Upper
112 100
64 53.1 46.0 69.0
63 29.1 23.4 35.0





#7

Phenol-d6

Concen: 36.94 ng

RT: 5.46 min Scan# 607

Delta R.T. 0.00 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

Instrument :

BNA_F

ClientSampleId :

TW-1

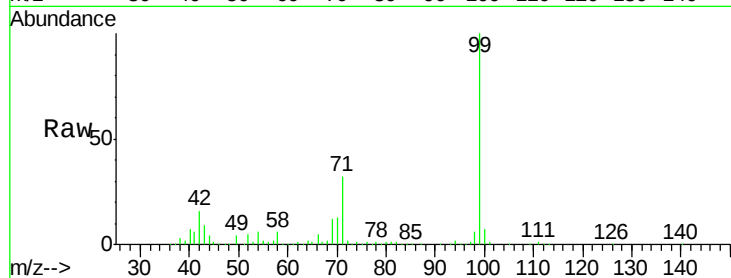
Tot Ion: 99 Resp: 499392

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

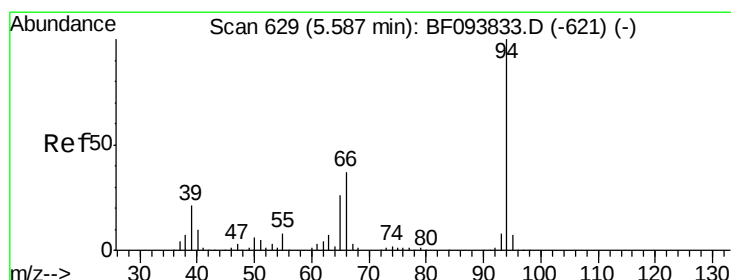
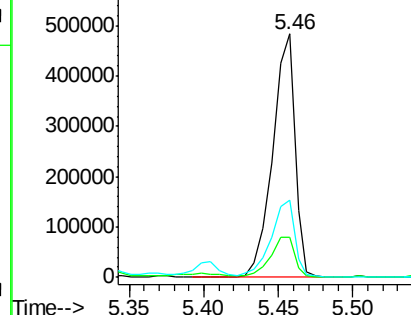
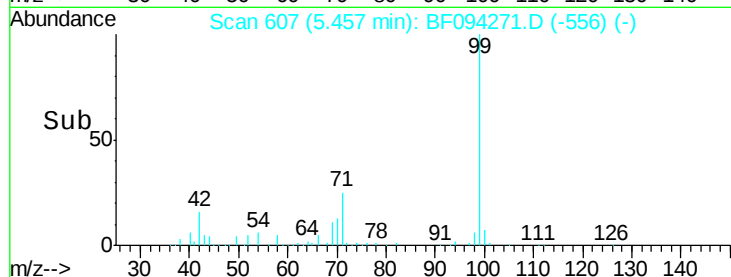
71 31.6 24.5 36.7



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: 3.20 ng

RT: 5.47 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

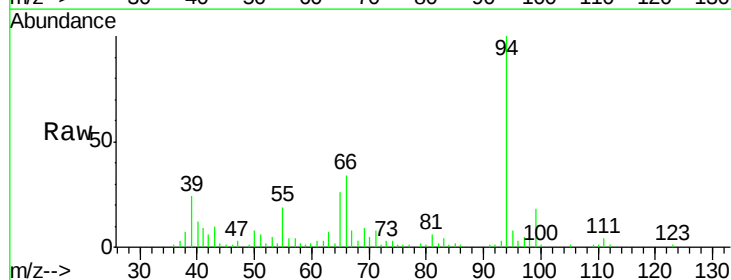
Tgt Ion: 94 Resp: 49178

Ion Ratio Lower Upper

94 100

65 25.6 9.9 49.9

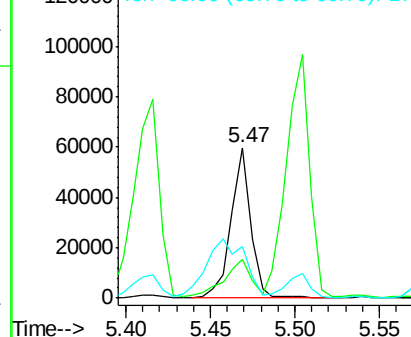
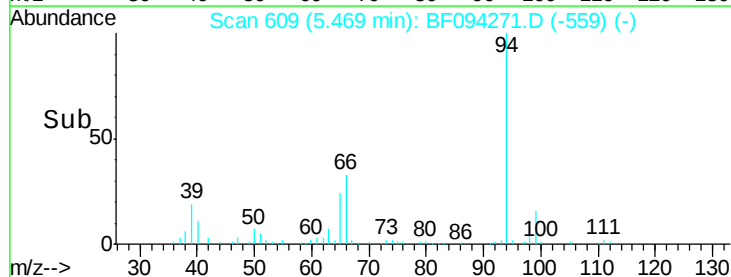
66 34.1 23.1 63.1

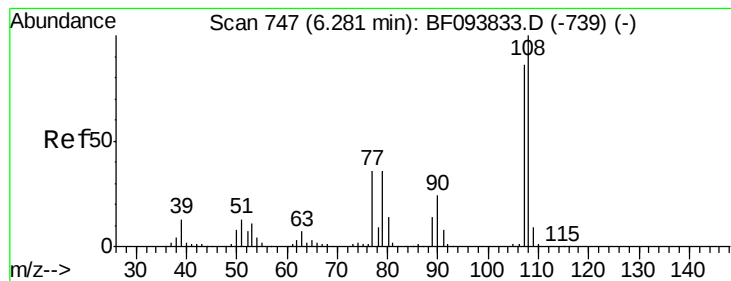


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

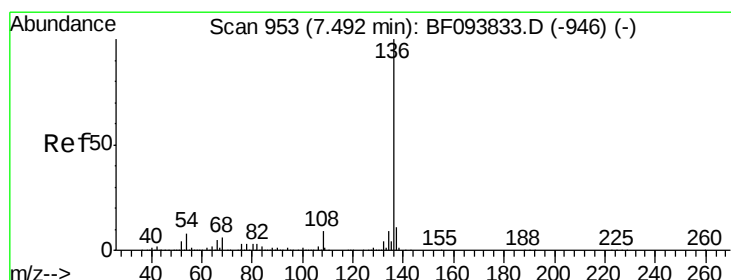
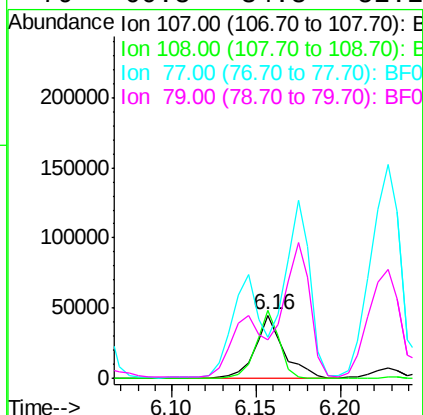
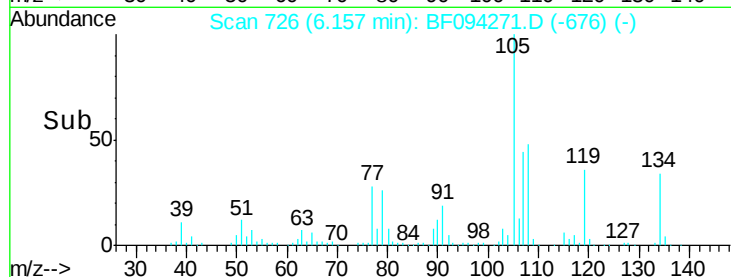
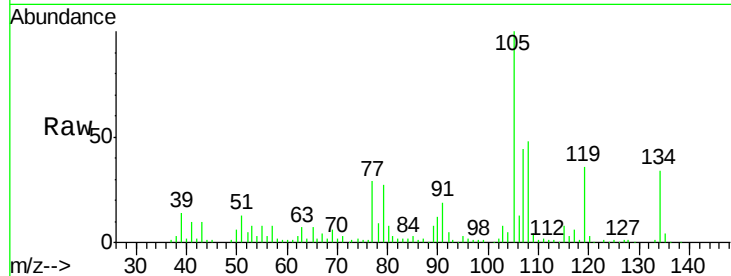




#17
2-Methylphenol
Concen: 5.17 ng
RT: 6.16 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

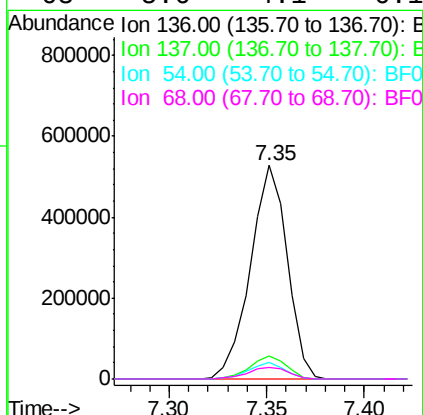
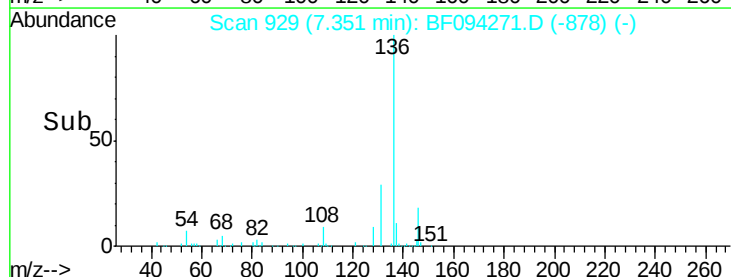
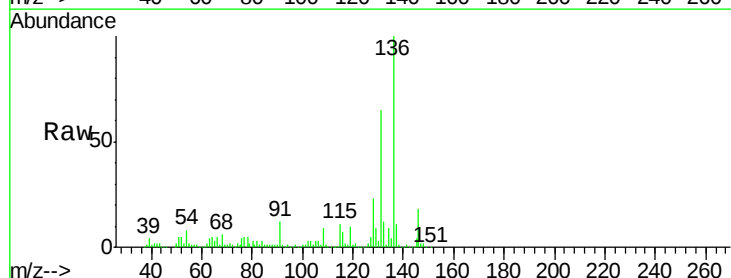
Instrument :
BNA_F
ClientSampleId :
TW-1

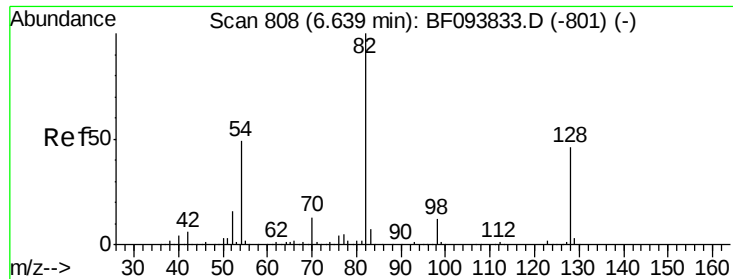
Tot Ion	Ratio	Lower	Upper
107	100		
108	107.3	93.4	140.0
77	65.8	35.8	53.6#
79	60.8	34.8	52.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.35 min Scan# 929
Delta R.T. 0.00 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	7.9	4.9	7.3#
68	5.6	4.1	6.1

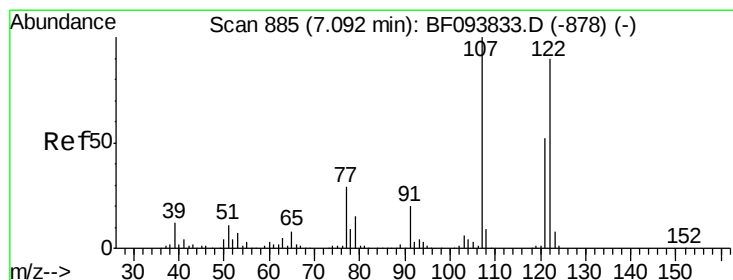
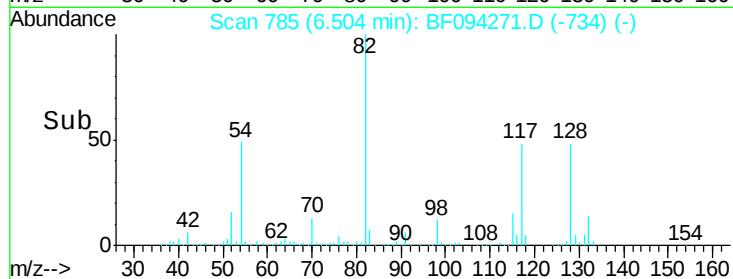
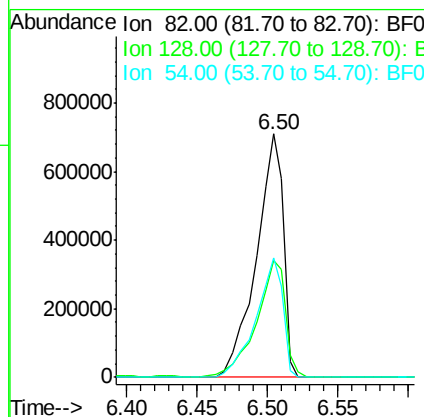
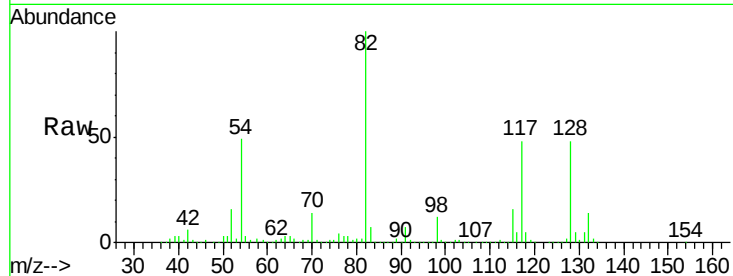




#23
 Nitrobenzene-d5
 Concen: 78.97 ng
 RT: 6.50 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: BF094271.D
 Acq: 7 Apr 2017 14:24

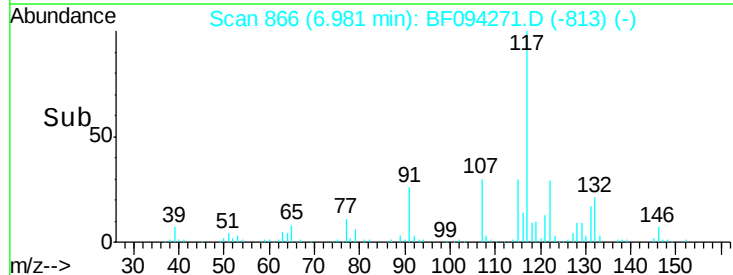
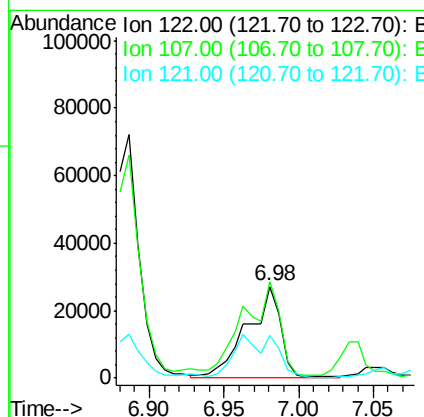
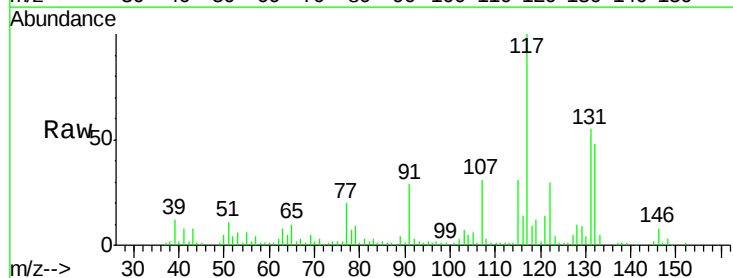
Instrument :
 BNA_F
 ClientSampleId :
 TW-1

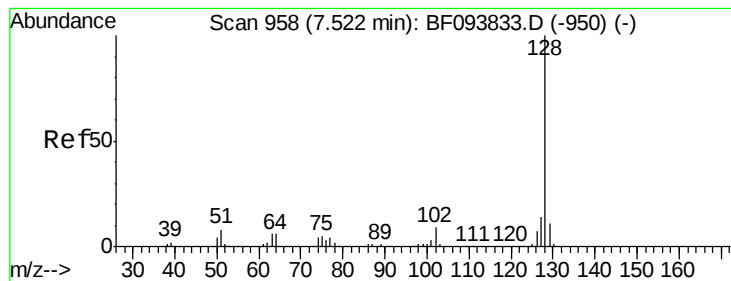
Tot Ion	82	Resp	955732
Ion Ratio	Lower	Upper	
82	100		
128	48.3	34.0	51.0
54	49.1	42.2	63.2



#27
 2,4-Dimethylphenol
 Concen: 4.37 ng
 RT: 6.98 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: BF094271.D
 Acq: 7 Apr 2017 14:24

Tgt Ion	122	Resp	42865
Ion Ratio	Lower	Upper	
122	100		
107	105.6	89.2	133.8
121	46.7	45.2	67.8





#31

Naphthalene

Concen: 119.33 ng

RT: 7.39 min Scan# 935

Delta R.T. 0.01 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

Instrument :

BNA_F

ClientSampleId :

TW-1

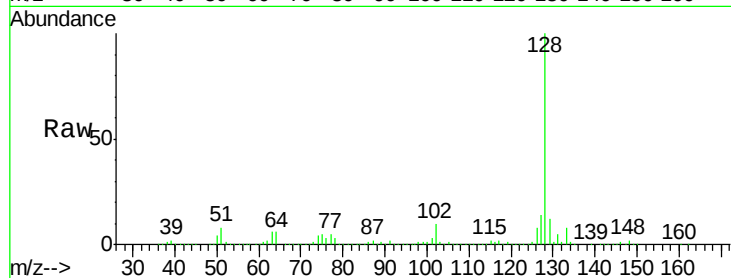
Tot Ion:128 Resp: 3962939

Ion Ratio Lower Upper

128 100

129 12.4 9.0 13.6

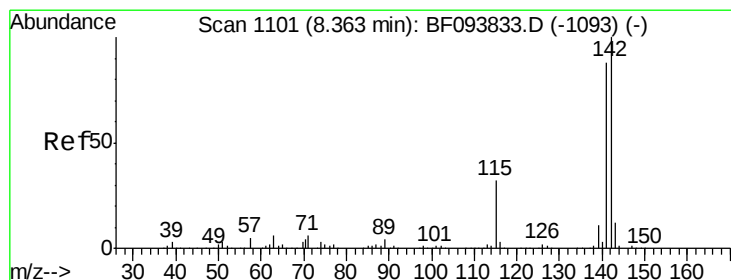
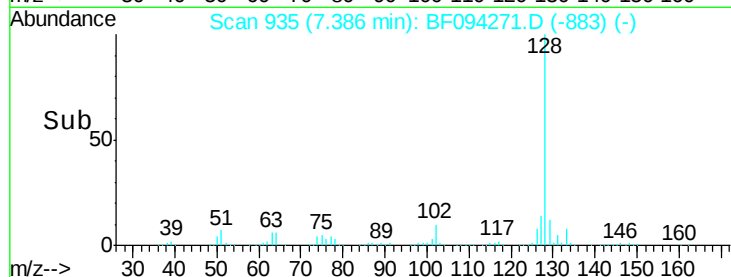
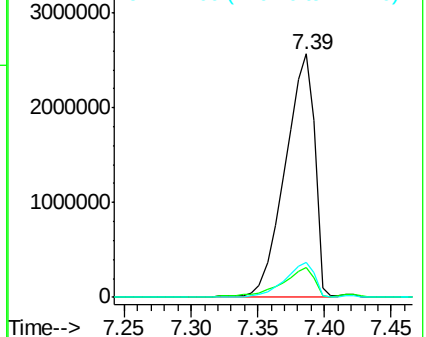
127 14.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 77.29 ng

RT: 8.22 min Scan# 1077

Delta R.T. 0.00 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

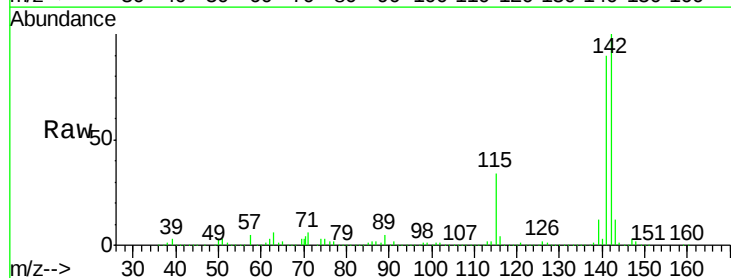
Tgt Ion:142 Resp: 1710977

Ion Ratio Lower Upper

142 100

141 89.5 71.3 106.9

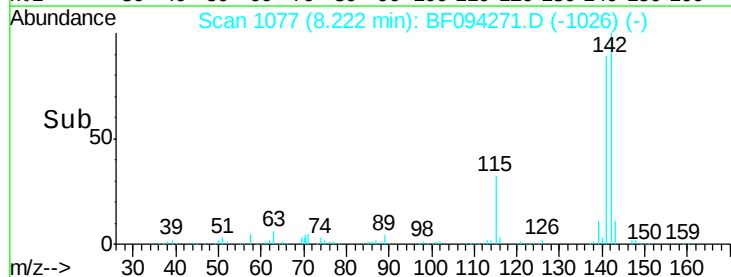
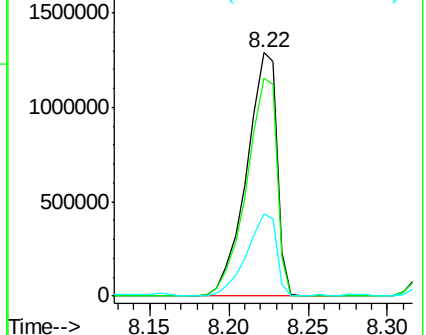
115 33.8 27.1 40.7

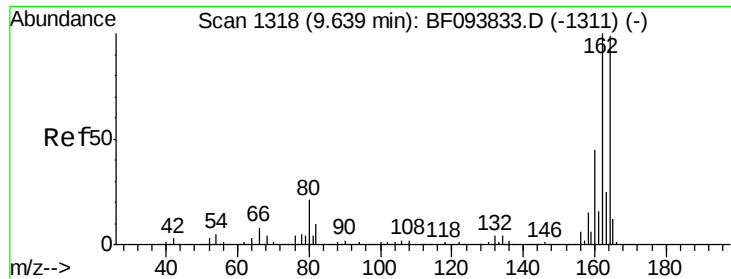


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.49 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

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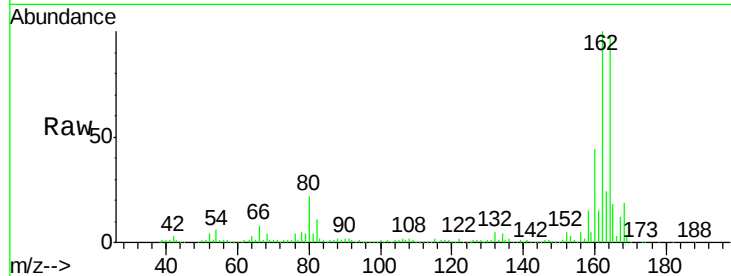
Tot Ion:164 Resp: 338881

Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

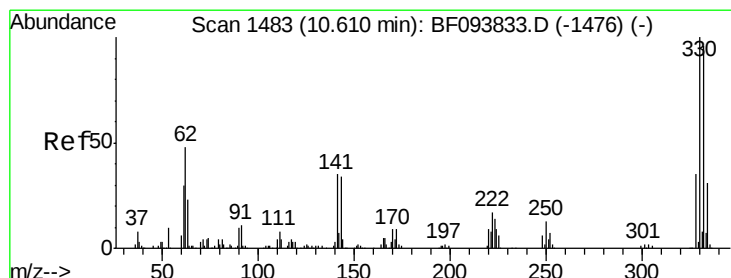
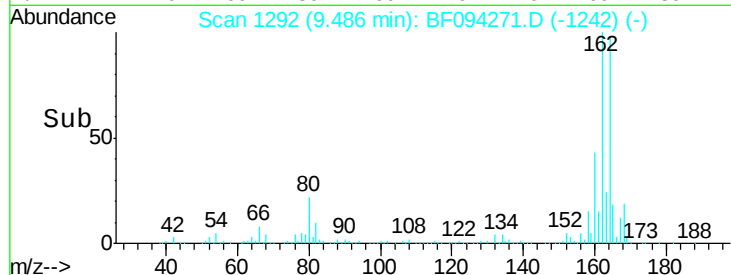
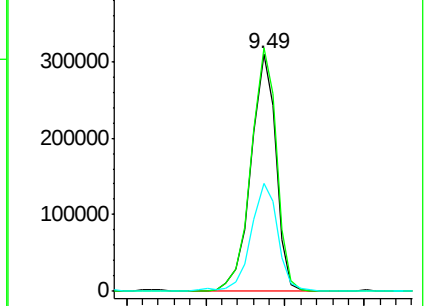
160 45.2 36.2 54.2



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: 124.30 ng

RT: 10.46 min Scan# 1458

Delta R.T. 0.00 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

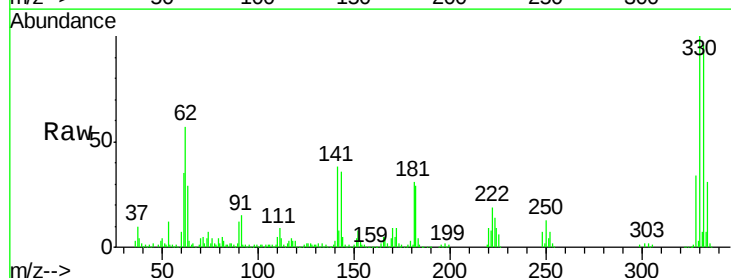
Tgt Ion:330 Resp: 332856

Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

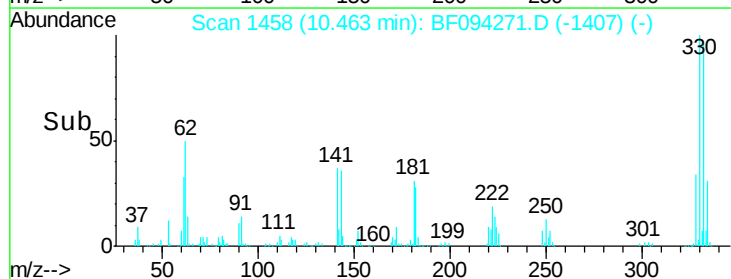
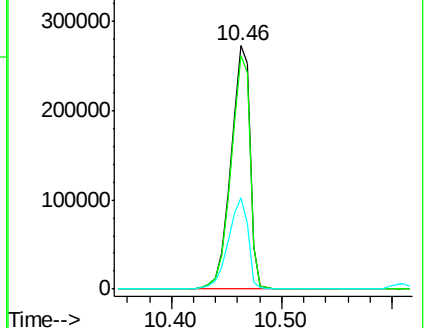
141 38.3 31.4 47.2

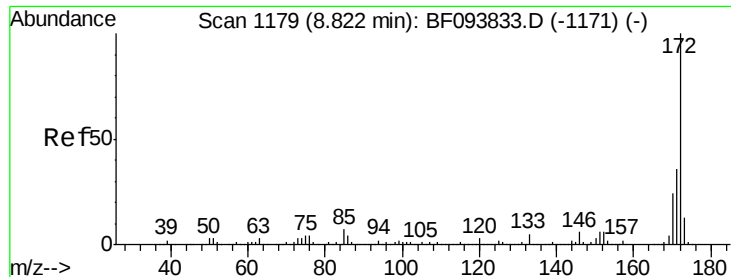


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

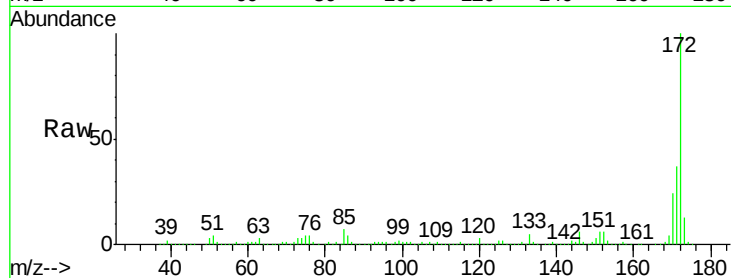




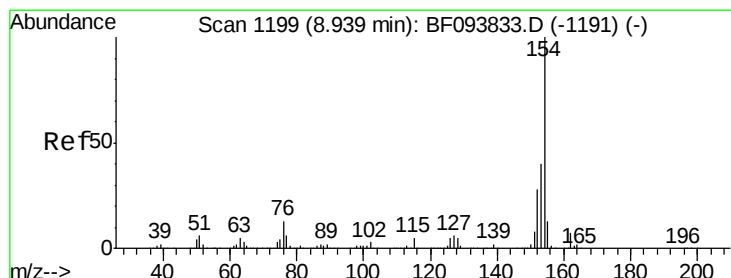
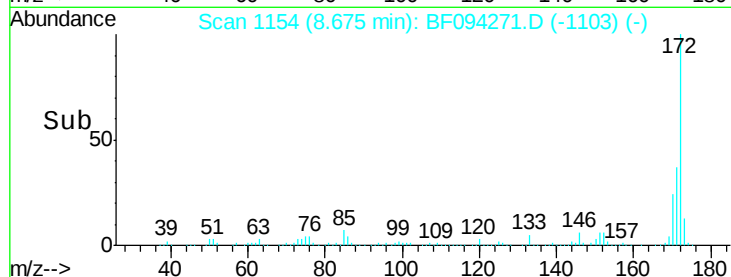
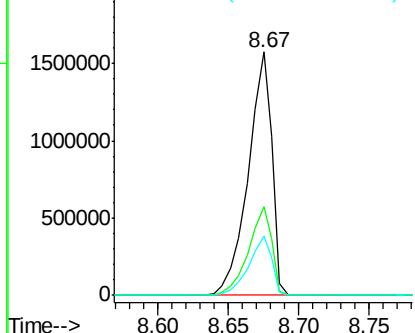
#44
2-Fluorobiphenyl
Concen: 82.80 ng
RT: 8.67 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

Instrument :
BNA_F
ClientSampleId :
TW-1

Tot Ion:172 Resp: 1839587
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 24.2 19.8 29.8

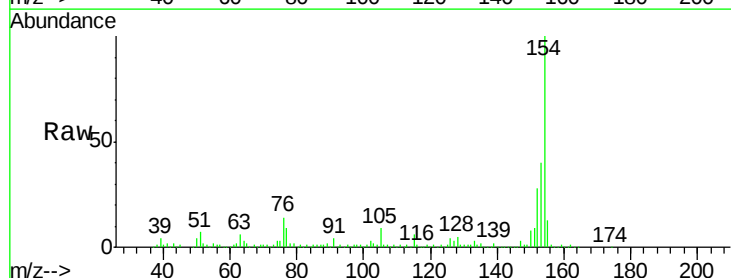


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

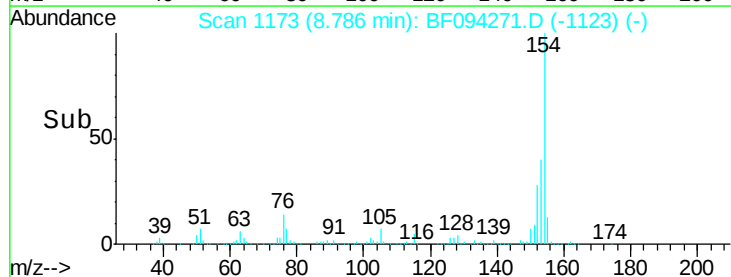
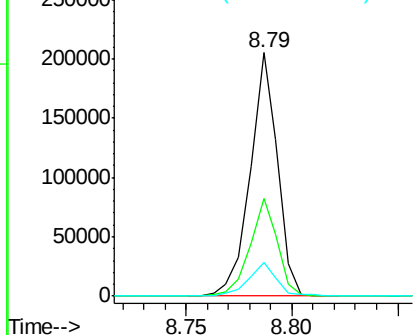


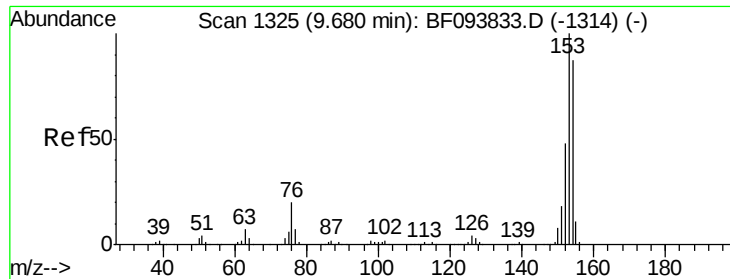
#45
1,1'-Biphenyl
Concen: 6.73 ng
RT: 8.79 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF094271.D
Acq: 7 Apr 2017 14:24

Tgt Ion:154 Resp: 183959
Ion Ratio Lower Upper
154 100
153 40.2 21.2 61.2
76 14.0 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





#51

Acenaphthene

Concen: 56.53 ng

RT: 9.53 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

Instrument :

BNA_F

ClientSampleId :

TW-1

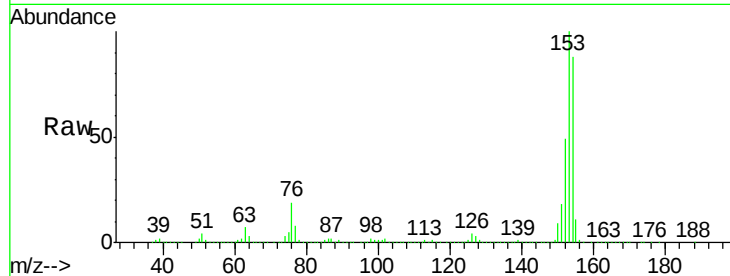
Tot Ion:154 Resp: 1172895

Ion Ratio Lower Upper

154 100

153 113.8 90.5 135.7

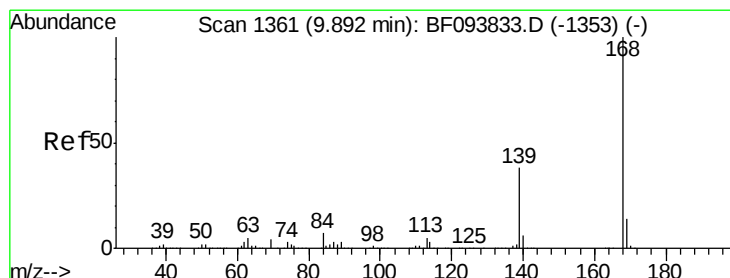
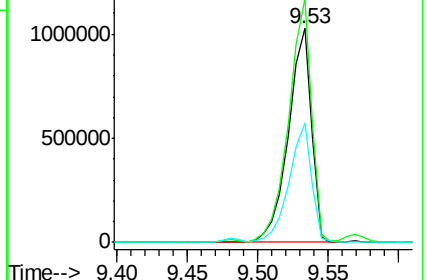
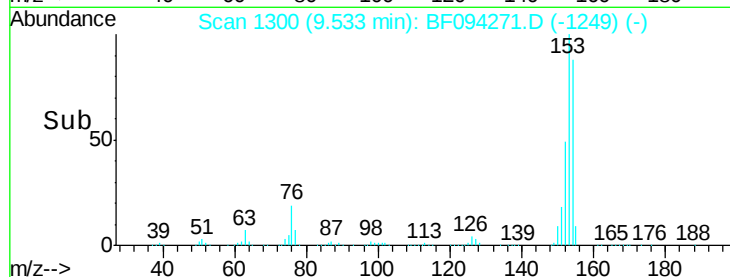
152 55.7 43.6 65.4



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: 42.05 ng

RT: 9.75 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

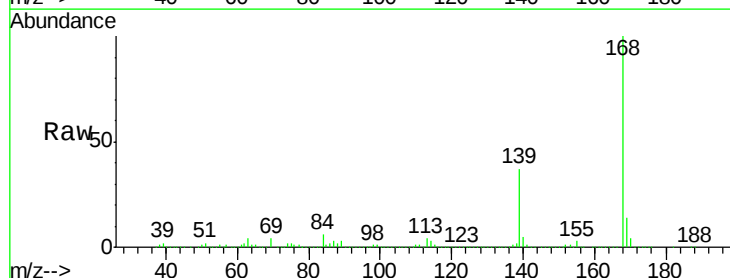
Tgt Ion:168 Resp: 1187851

Ion Ratio Lower Upper

168 100

139 36.7 30.6 45.8

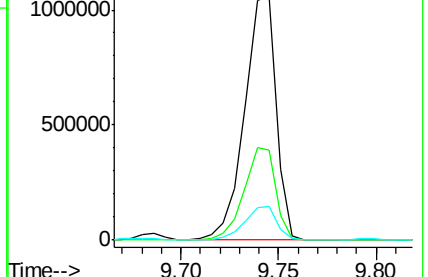
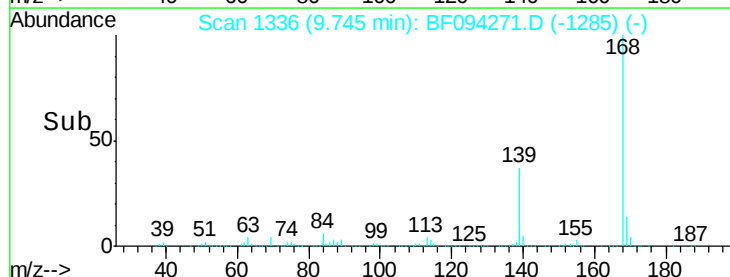
169 13.6 10.8 16.2

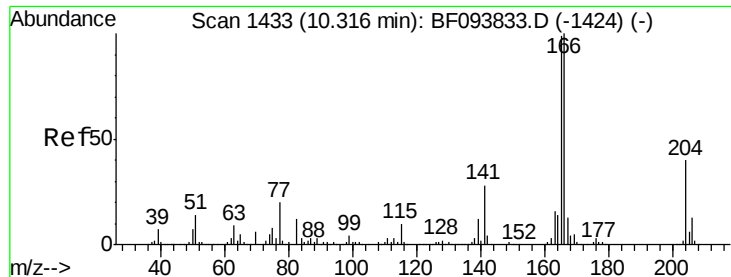


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

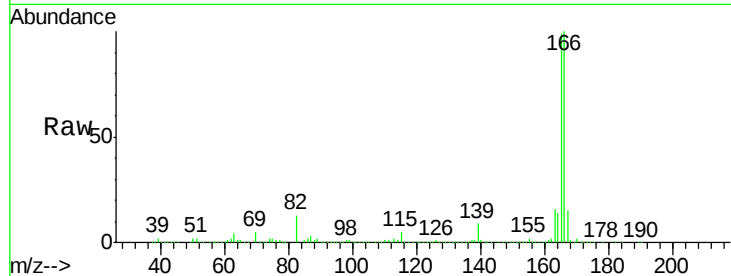




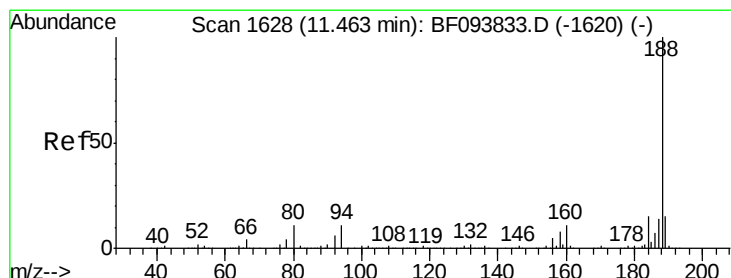
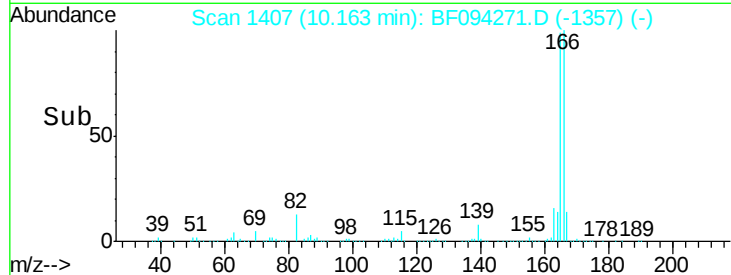
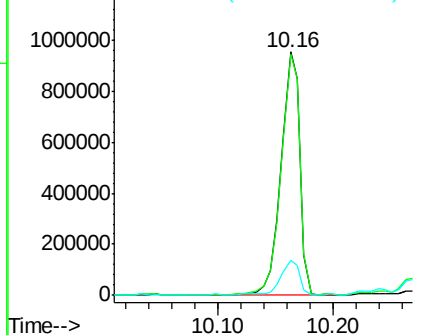
#57
Fluorene
 Concen: 46.01 ng
 RT: 10.16 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BF094271.D
 Acq: 7 Apr 2017 14:24

Instrument :
 BNA_F
 ClientSampleId :
 TW-1

Tot Ion:166 Resp: 1077718
 Ion Ratio Lower Upper
 166 100
 165 99.2 78.8 118.2
 167 14.5 10.6 16.0

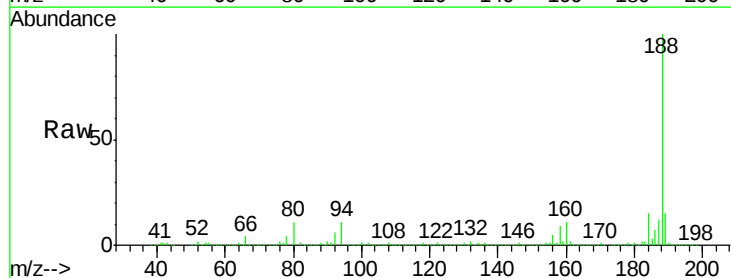


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

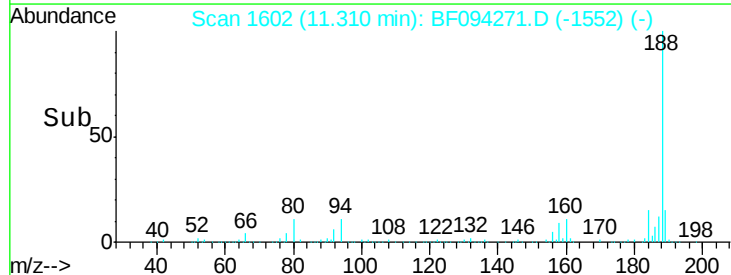
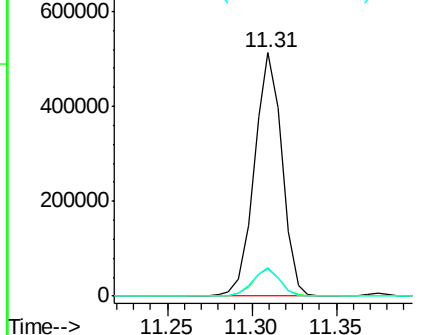


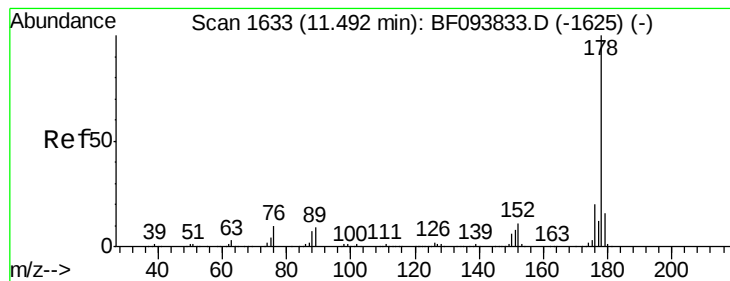
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.31 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BF094271.D
 Acq: 7 Apr 2017 14:24

Tgt Ion:188 Resp: 583262
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.4 14.2
 80 11.5 10.2 15.2



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: 47.31 ng

RT: 11.35 min Scan# 1608

Delta R.T. 0.00 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

Instrument :

BNA_F

ClientSampleId :

TW-1

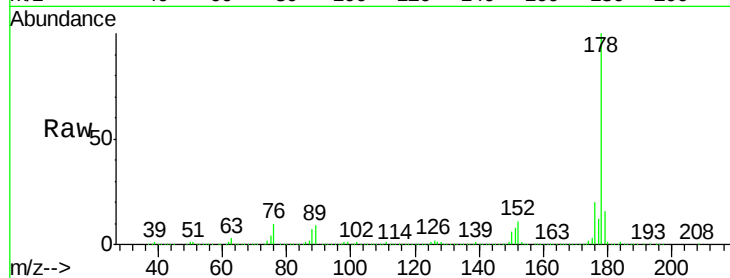
Tot Ion:178 Resp: 1535077

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	15.7	12.6	19.0

178 100

176 19.8 16.2 24.4

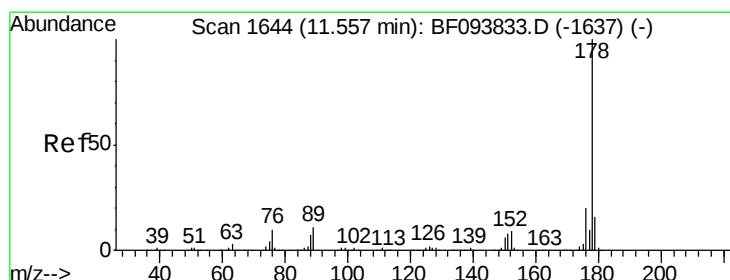
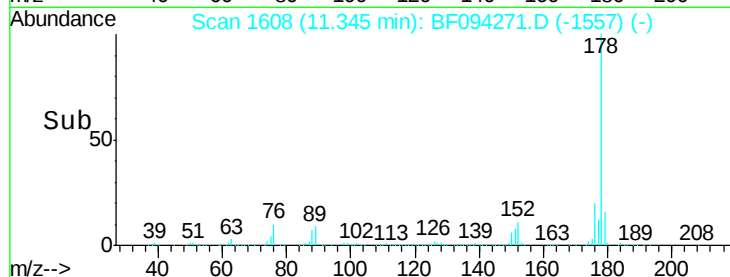
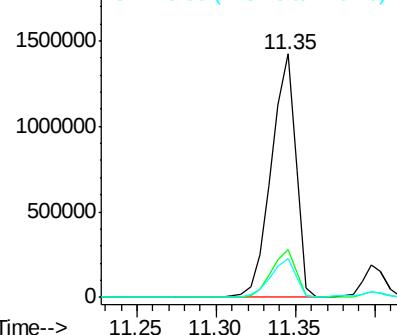
179 15.7 12.6 19.0



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: 5.42 ng

RT: 11.40 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

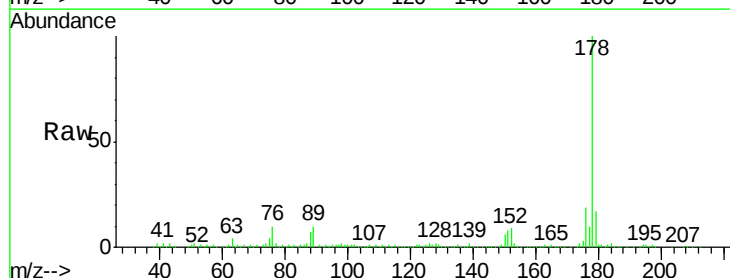
Tgt Ion:178 Resp: 181011

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	17.4	12.7	19.1

178 100

176 18.7 15.8 23.8

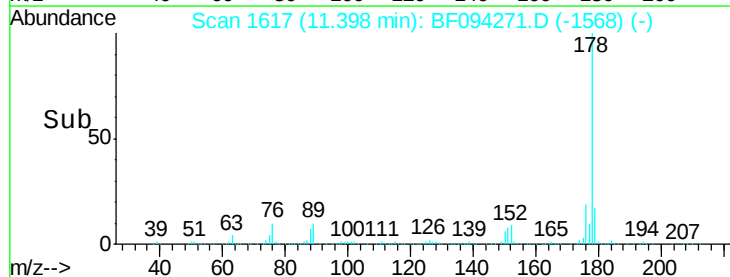
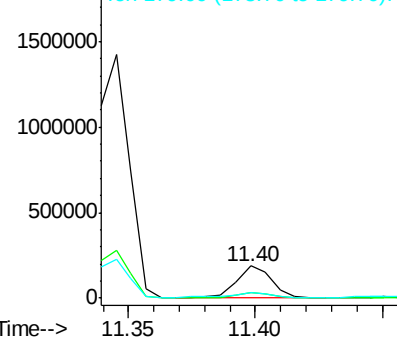
179 17.4 12.7 19.1

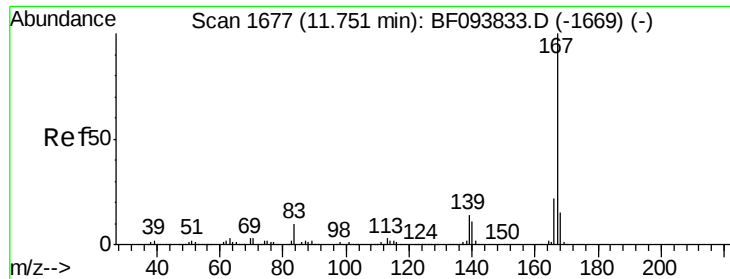


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 5.57 ng

RT: 11.60 min Scan# 1652

Delta R.T. -0.01 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

Instrument :

BNA_F

ClientSampled :

TW-1

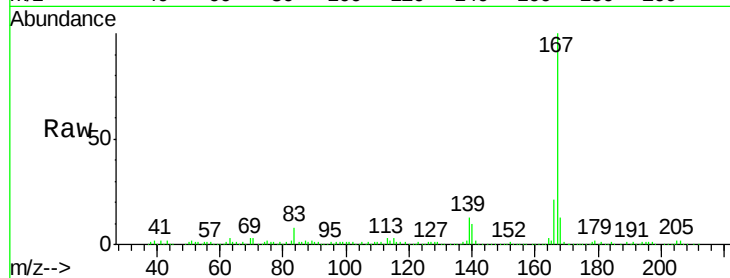
Tot Ion:167 Resp: 190945

Ion Ratio Lower Upper

167 100

166 20.9 18.1 27.1

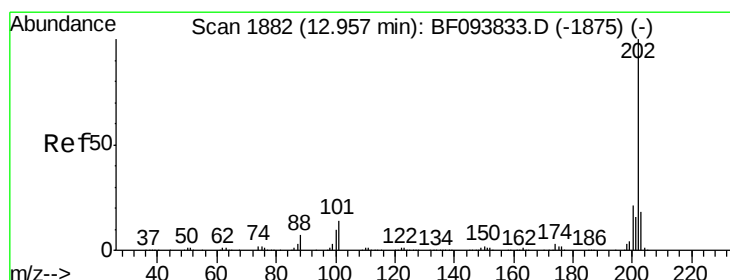
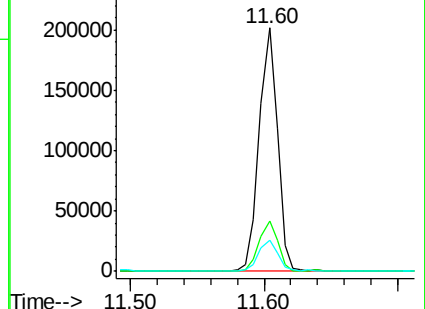
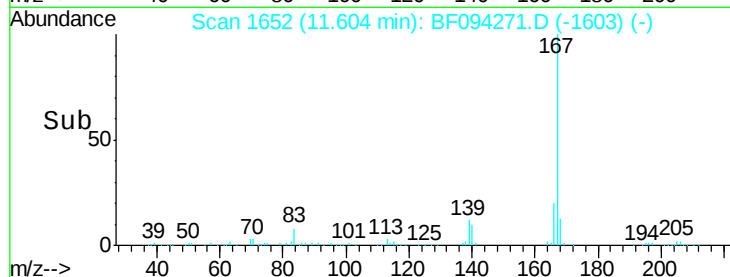
139 12.6 11.7 17.5



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: 10.76 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

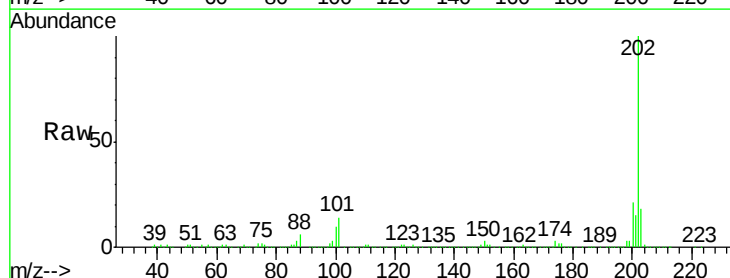
Tgt Ion:202 Resp: 357509

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.2

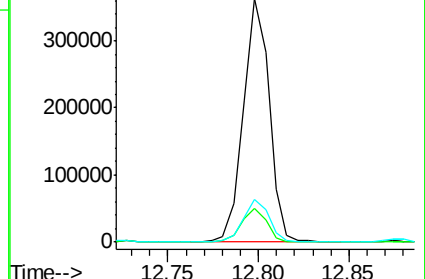
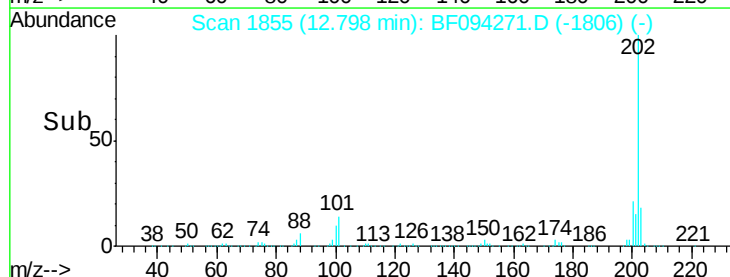
203 17.7 0.0 38.1

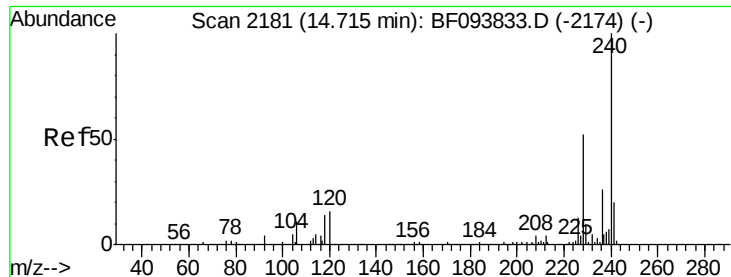


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.56 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

Instrument :

BNA_F

ClientSampleId :

TW-1

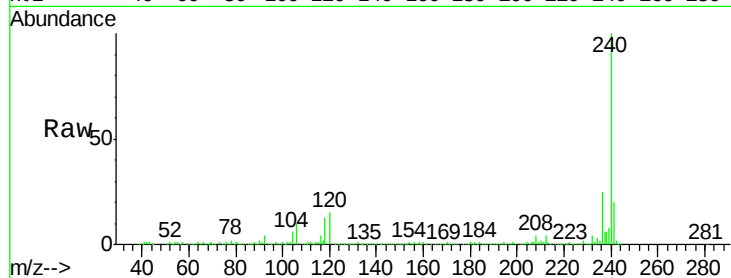
Tot Ion:240 Resp: 430667

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

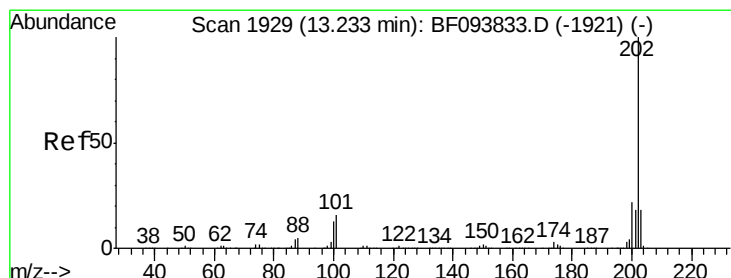
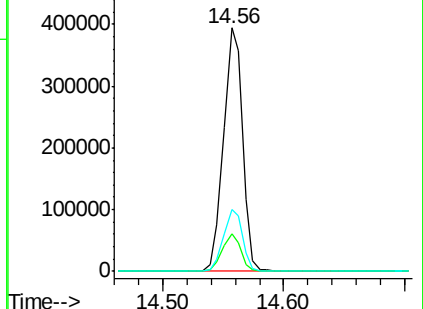
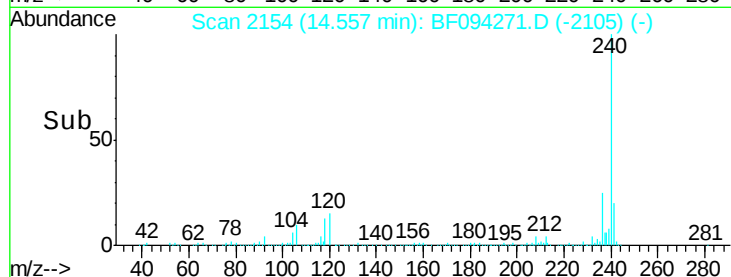
236 25.3 20.5 30.7



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: 6.70 ng

RT: 13.07 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

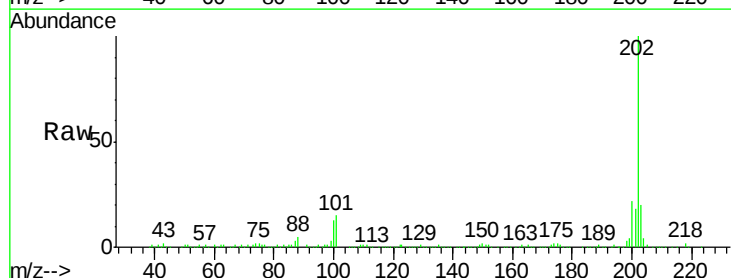
Tgt Ion:202 Resp: 209355

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

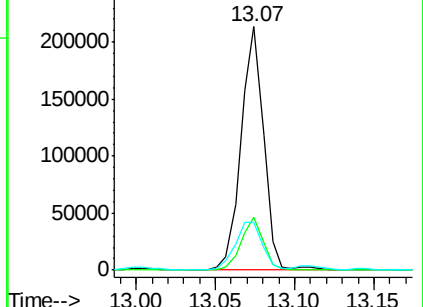
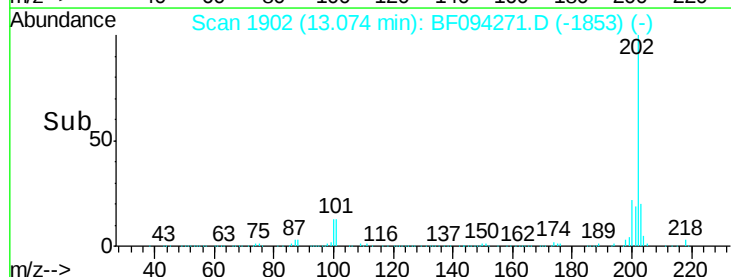
203 19.8 14.4 21.6

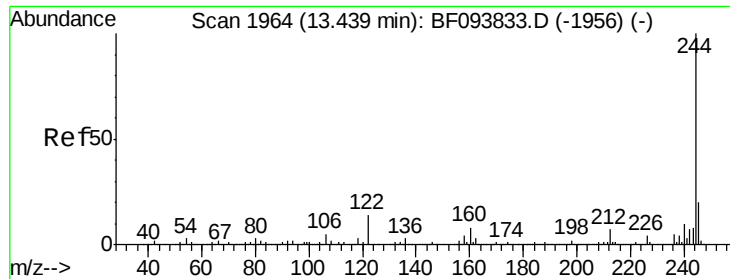


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 71.94 ng

RT: 13.29 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

Instrument :

BNA_F

ClientSampleId :

TW-1

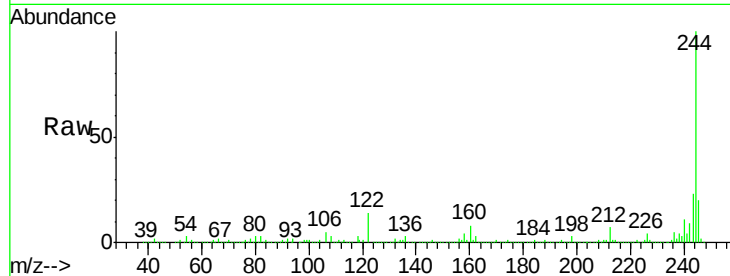
Tot Ion:244 Resp: 1382139

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

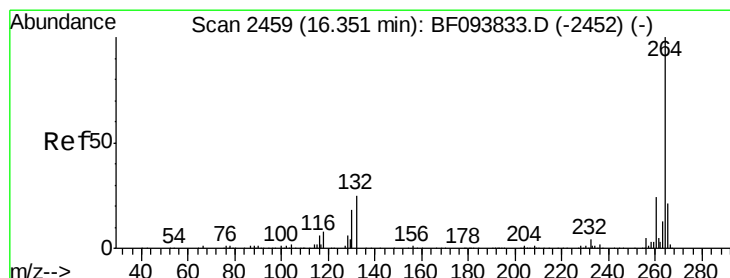
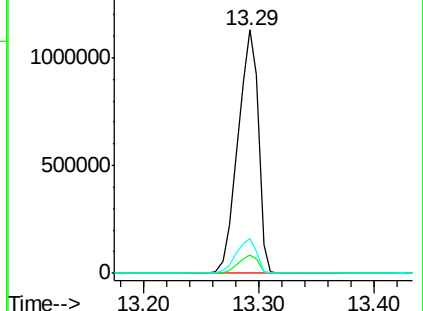
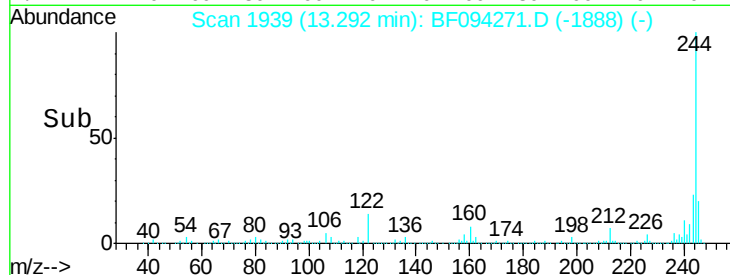
122 14.1 10.3 15.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.19 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BF094271.D

Acq: 7 Apr 2017 14:24

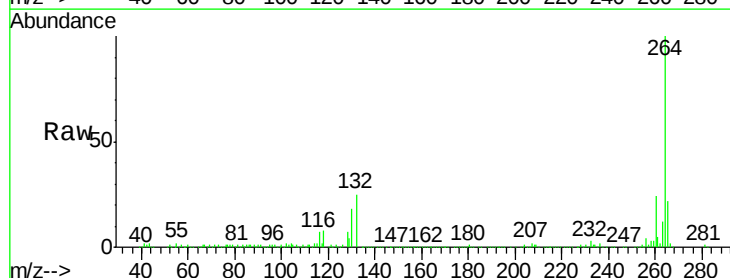
Tgt Ion:264 Resp: 290850

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 21.5 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

