

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030817\
 Data File : BF093449.D
 Acq On : 9 Mar 2017 00:45
 Operator : SJ/MA
 Sample : I2133-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB422A

Quant Time: Mar 09 03:05:52 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

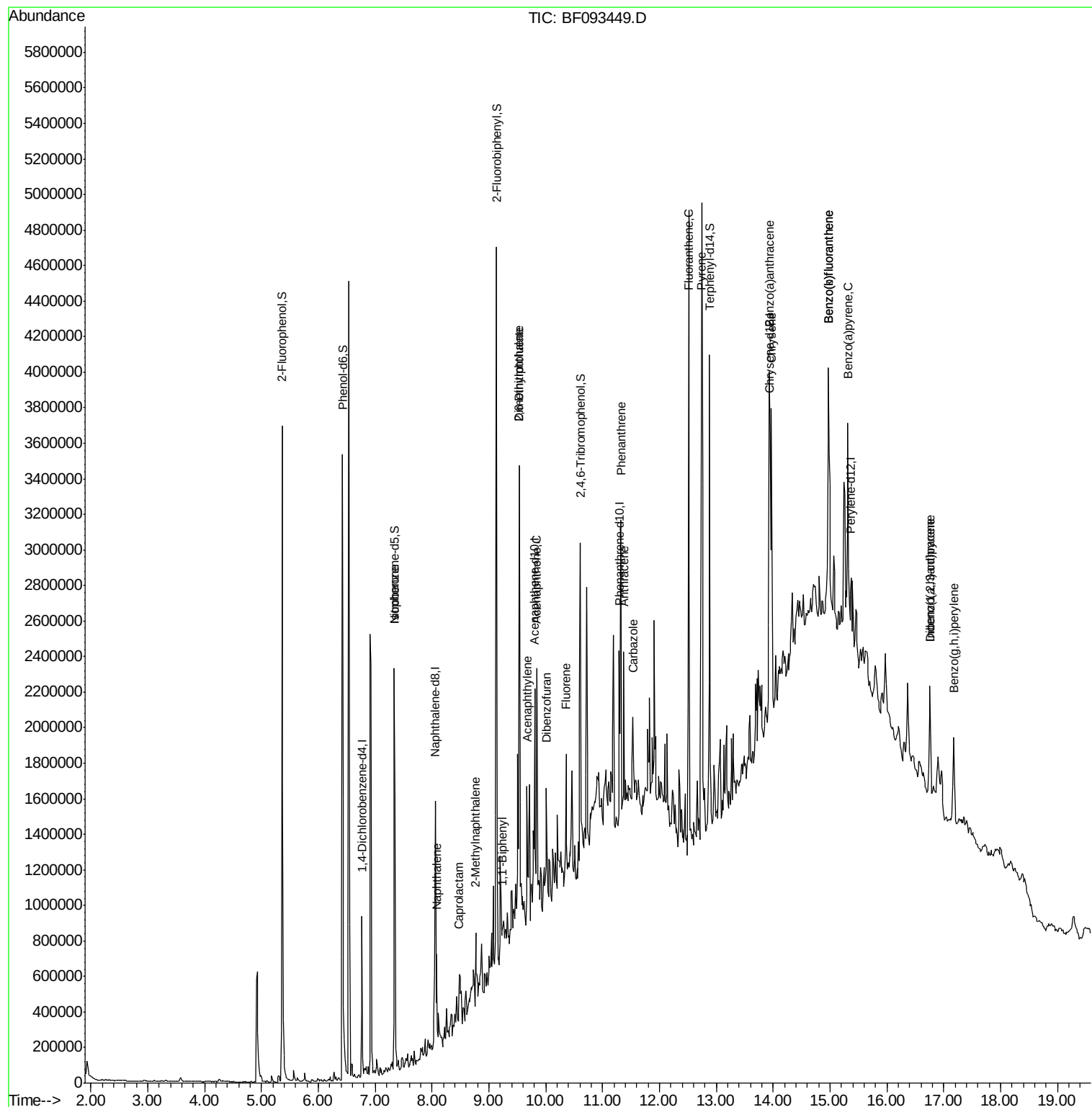
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	159479	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	595534	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	239247	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	403361	20.00	ng	0.01
75) Chrysene-d12	13.95	240	315024	20.00	ng	0.02
86) Perylene-d12	15.37	264	270631	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1262652	131.77	ng	0.01
7) Phenol-d6	6.42	99	1656640	137.10	ng	0.01
23) Nitrobenzene-d5	7.34	82	994655	92.67	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	243956	156.51	ng	0.01
44) 2-Fluorobiphenyl	9.13	172	1331091	103.49	ng	0.00
78) Terphenyl-d14	12.88	244	951427	78.52	ng	0.01
Target Compounds						
9) Benzaldehyde	6.28	77	2380	Below Cal	#	1
25) Isophorone	7.34	82	917440	42.39	ng	65
31) Naphthalene	8.08	128	248293	8.32	ng	98
35) Caprolactam	8.48	113	9045	3.14	ng	1
37) 2-Methylnaphthalene	8.77	142	128547	6.77	ng	98
45) 1,1'-Biphenyl	9.24	154	43008	2.47	ng	98
48) Acenaphthylene	9.67	152	149672	6.80	ng	95
49) Dimethylphthalate	9.53	163	964542	60.81	ng	98
50) 2,6-Dinitrotoluene	9.53	165	13645	3.92	ng	# 9
51) Acenaphthene	9.84	154	225360	17.32	ng	94
54) Dibenzofuran	10.01	168	229002	14.06	ng	96
57) Fluorene	10.36	166	175438	12.71	ng	96
70) Phenanthrene	11.33	178	1086395	47.19	ng	99
71) Anthracene	11.37	178	414661	17.80	ng	99
72) Carbazole	11.53	167	96725	4.42	ng	# 92
74) Fluoranthene	12.52	202	1956520	87.98	ng	100
77) Pyrene	12.75	202	2177116	95.02	ng	100
80) Benzo(a)anthracene	13.93	228	1200630	64.54	ng	97
82) Chrysene	13.97	228	855578	49.71	ng	98
85) Indeno(1,2,3-cd)pyrene	16.76	276	450822	31.29	ng	97
87) Benzo(b)fluoranthene	14.97	252	1412418	85.69	ng	# 97
88) Benzo(k)fluoranthene	14.97	252	1412418	88.86	ng	# 96
89) Benzo(a)pyrene	15.32	252	761493	50.55	ng	# 97
90) Dibenzo(a,h)anthracene	16.76	278	97751	7.84	ng	# 79
91) Benzo(g,h,i)perylene	17.18	276	466799	36.50	ng	# 91

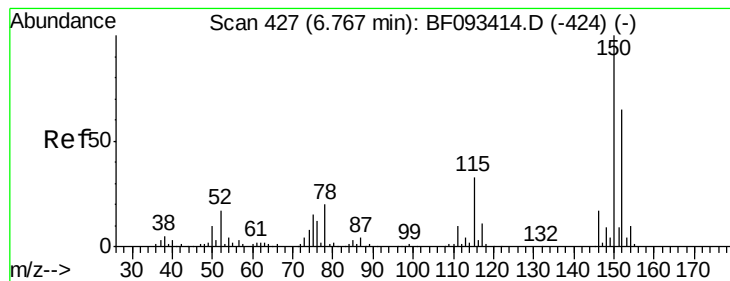
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 427

Delta R.T. -0.00 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

Instrument :

BNA_F

ClientSampleId :

HY-SB422A

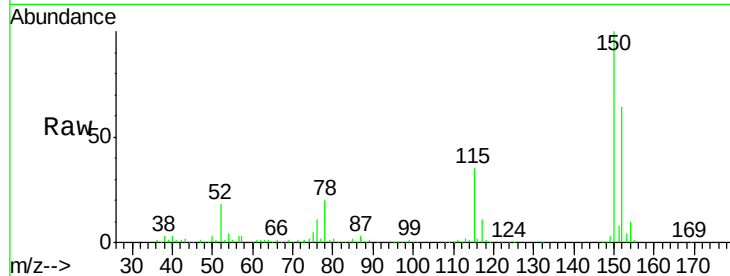
Tgt Ion:152 Resp: 159479

Ion Ratio Lower Upper

152 100

150 156.1 124.9 187.3

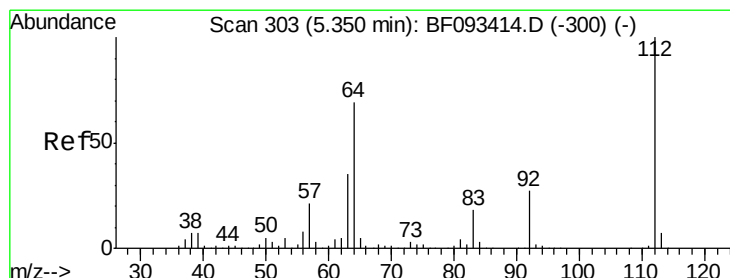
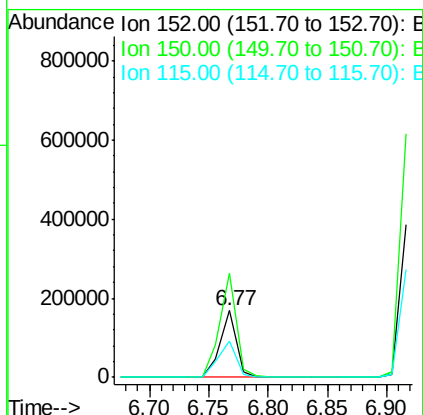
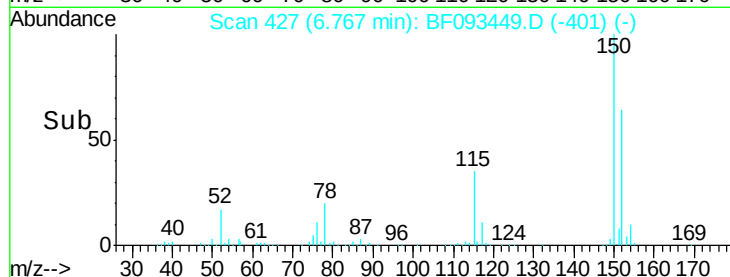
115 54.4 46.0 69.0



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: 131.77 ng

RT: 5.36 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

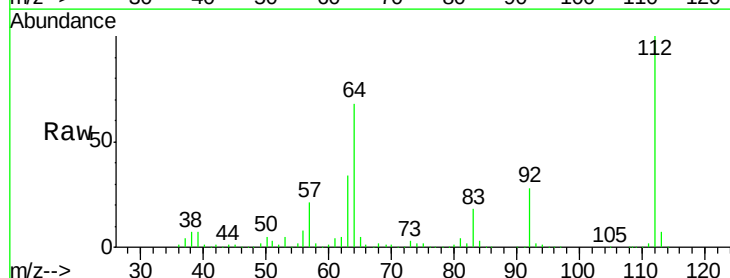
Tgt Ion:112 Resp: 1262652

Ion Ratio Lower Upper

112 100

64 68.1 46.1 69.1

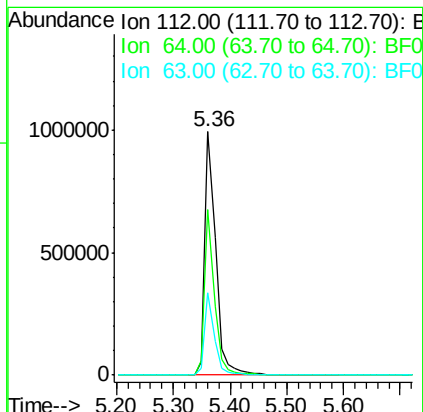
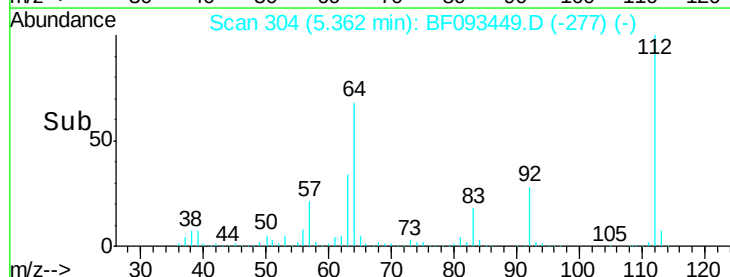
63 33.9 23.8 35.6

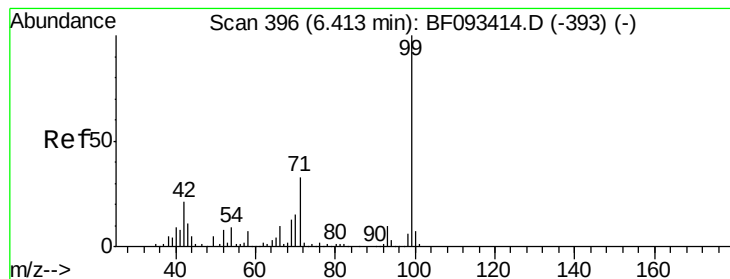


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 137.10 ng

RT: 6.42 min Scan# 397

Delta R.T. 0.01 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

Instrument :

BNA_F

ClientSampleId :

HY-SB422A

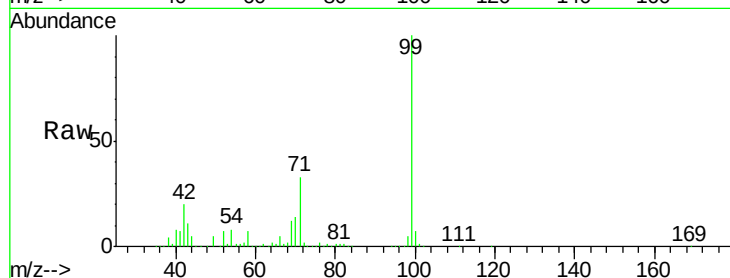
Tgt Ion: 99 Resp: 1656640

Ion Ratio Lower Upper

99 100

42 20.3 15.6 23.4

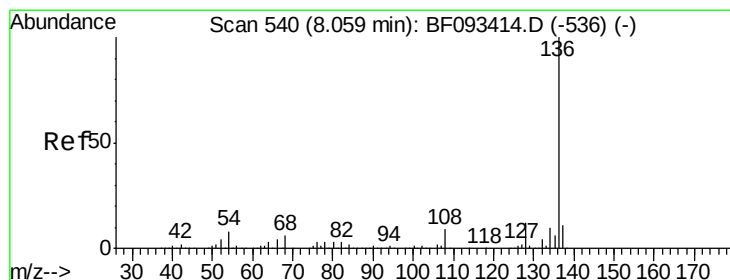
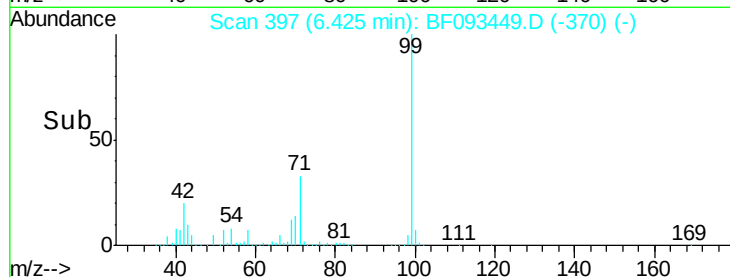
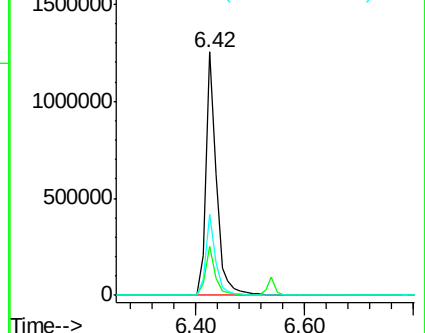
71 33.4 27.5 41.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 540

Delta R.T. 0.00 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

Tgt Ion: 136 Resp: 595534

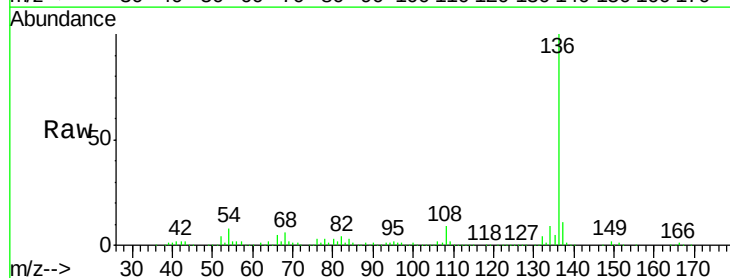
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 8.4 4.5 6.7#

68 6.0 3.6 5.4#

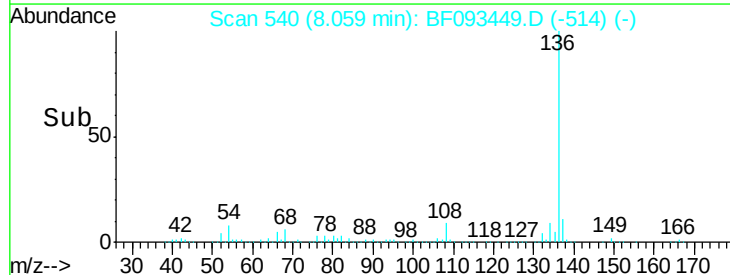
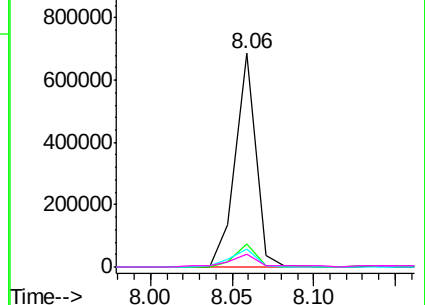


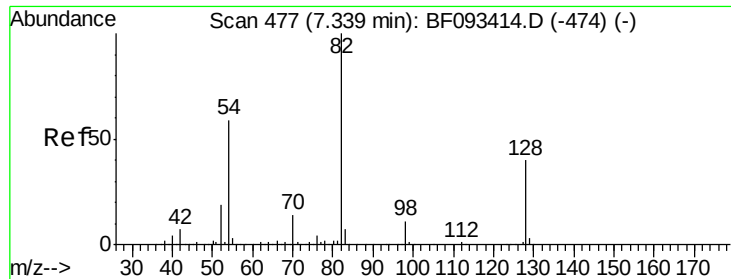
Abundance Ion 136.00 (135.70 to 136.70): E

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

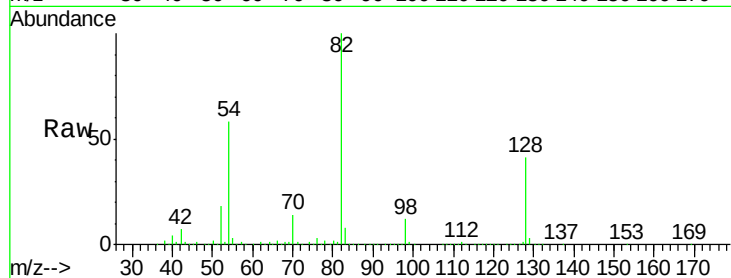




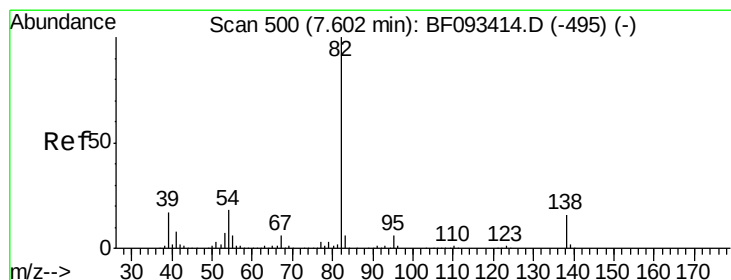
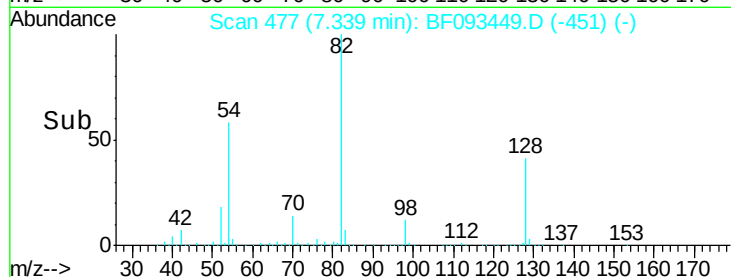
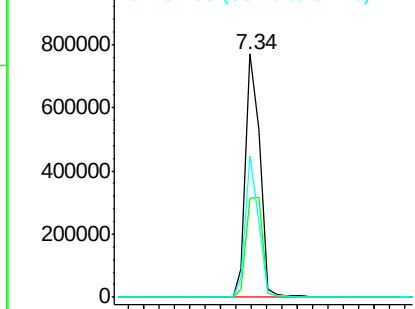
#23
 Nitrobenzene-d5
 Concen: 92.67 ng
 RT: 7.34 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: BF093449.D
 Acq: 9 Mar 2017 00:45

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB422A

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.6	34.6	52.0
54	58.3	39.5	59.3

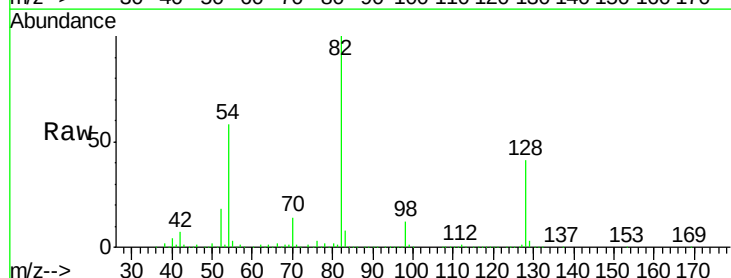


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

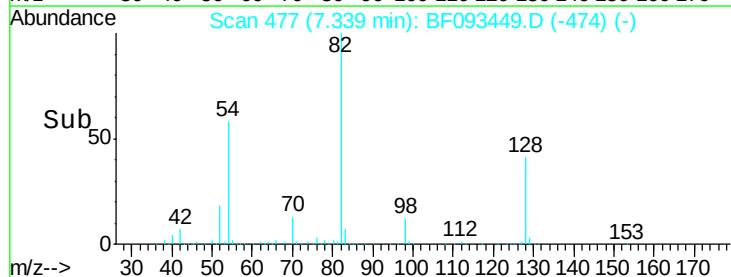
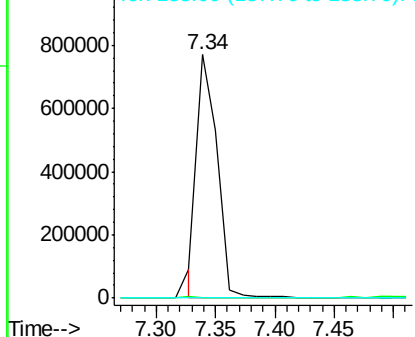


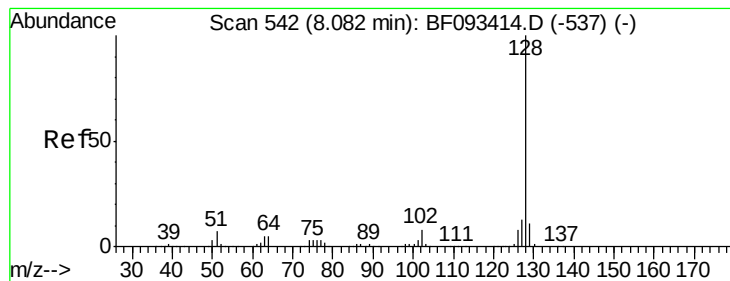
#25
 Isophorone
 Concen: 42.39 ng
 RT: 7.34 min Scan# 477
 Delta R.T. -0.26 min
 Lab File: BF093449.D
 Acq: 9 Mar 2017 00:45

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.3	5.6	8.4#
138	0.0	14.6	22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 8.32 ng

RT: 8.08 min Scan# 542

Delta R.T. -0.00 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

Instrument :

BNA_F

ClientSampleId :

HY-SB422A

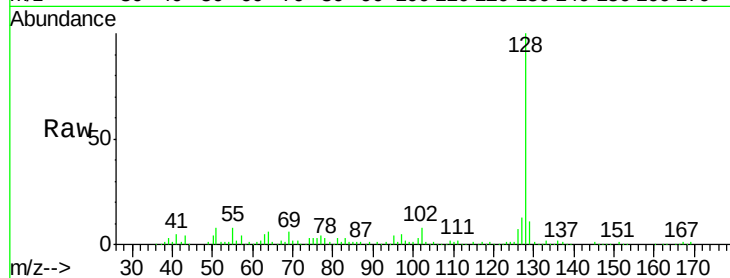
Tgt Ion:128 Resp: 248293

Ion Ratio Lower Upper

128 100

129 10.7 9.5 14.3

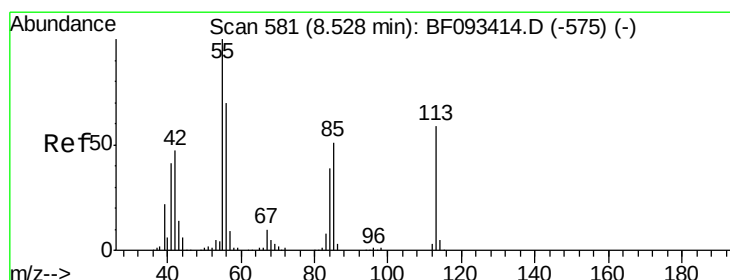
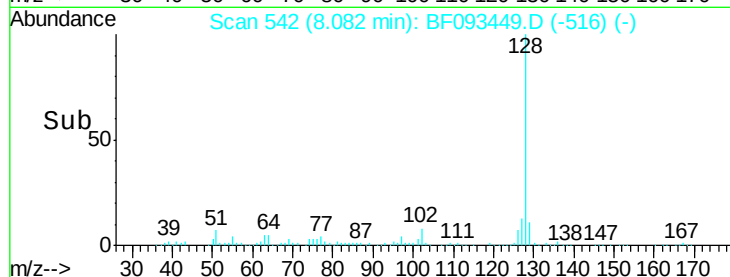
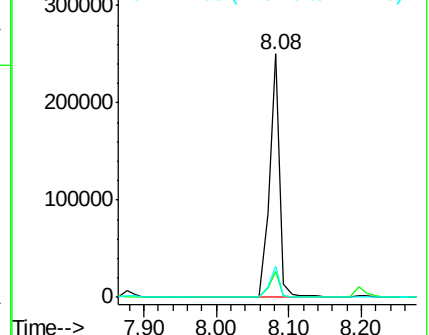
127 12.9 10.8 16.2



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



#35

Caprolactam

Concen: 3.14 ng

RT: 8.48 min Scan# 577

Delta R.T. -0.05 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

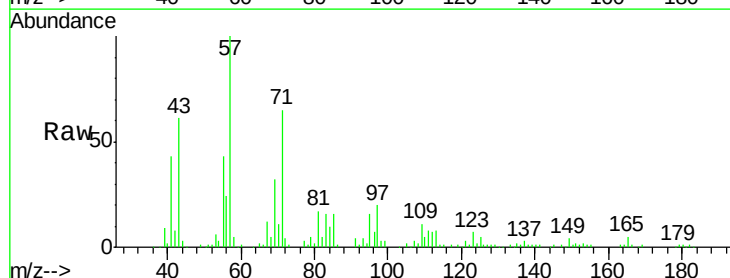
Tgt Ion:113 Resp: 9045

Ion Ratio Lower Upper

113 100

55 521.4 119.2 159.2#

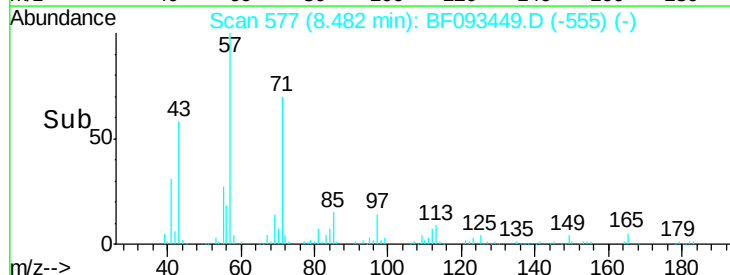
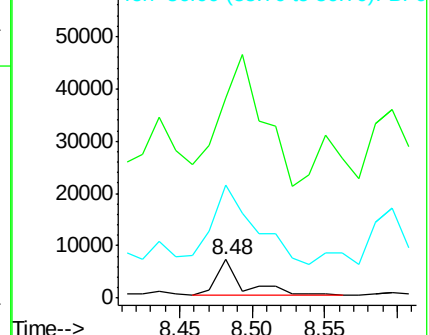
56 293.6 83.8 123.8#

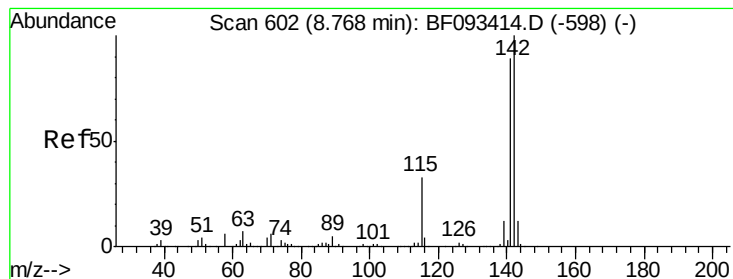


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#37

2-Methylnaphthalene

Concen: 6.77 ng

RT: 8.77 min Scan# 602

Delta R.T. -0.00 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

Instrument :

BNA_F

ClientSampleId :

HY-SB422A

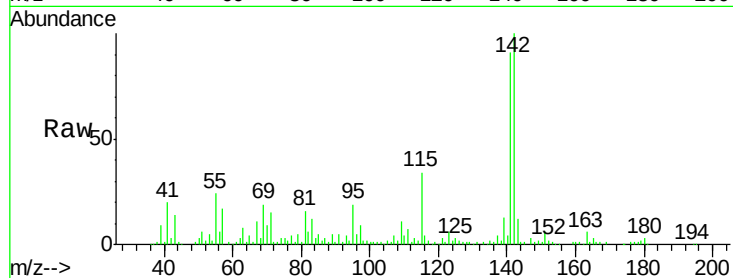
Tgt Ion:142 Resp: 128547

Ion Ratio Lower Upper

142 100

141 91.0 71.0 106.6

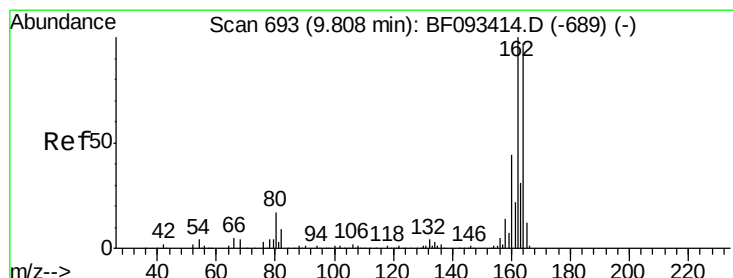
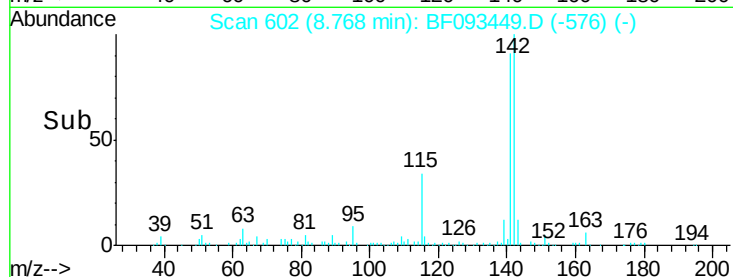
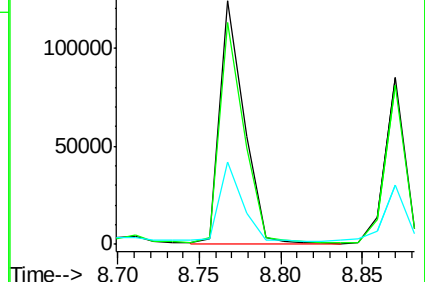
115 34.1 28.3 42.5



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: 9.81 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

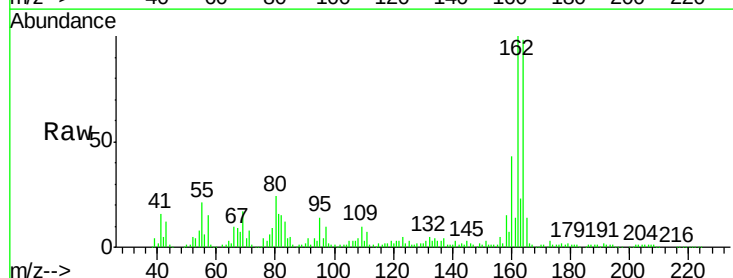
Tgt Ion:164 Resp: 239247

Ion Ratio Lower Upper

164 100

162 102.3 80.2 120.2

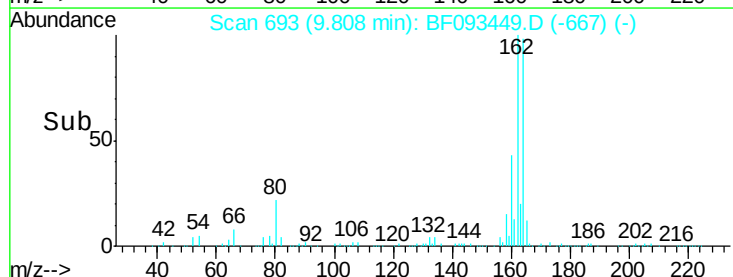
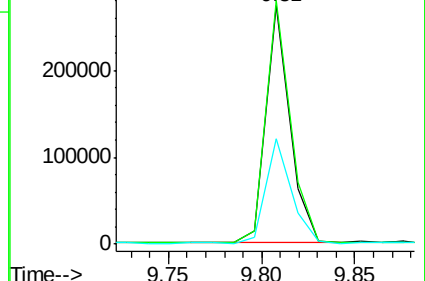
160 44.2 36.9 55.3

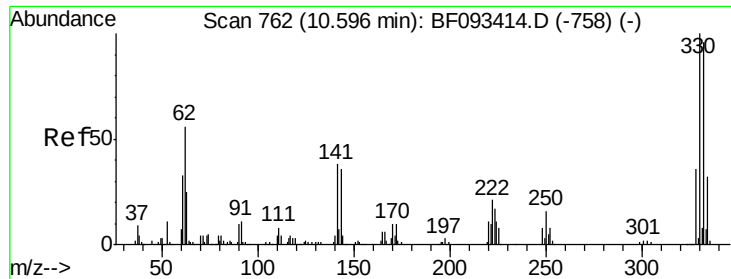


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

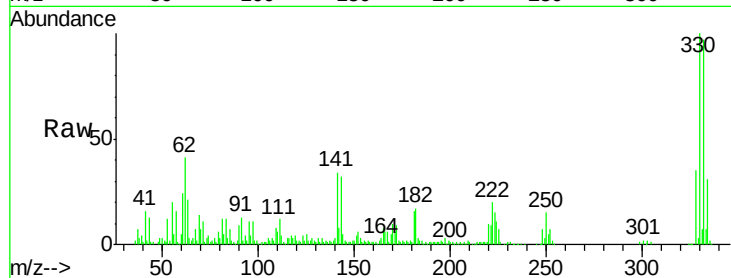




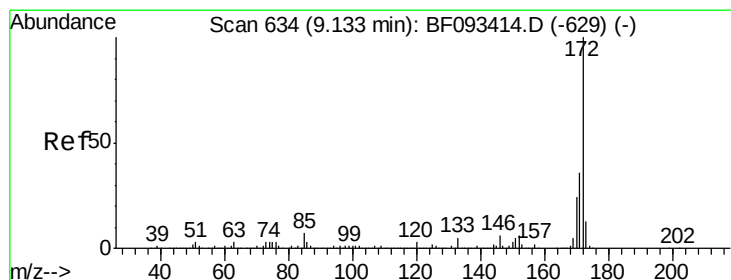
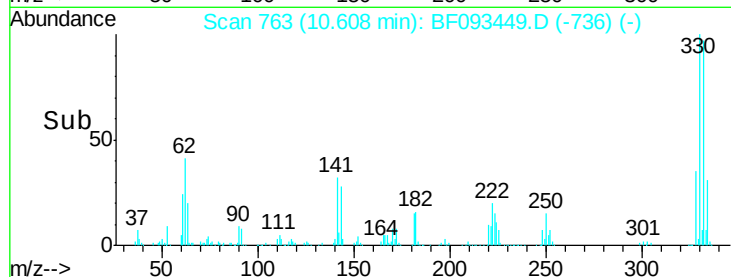
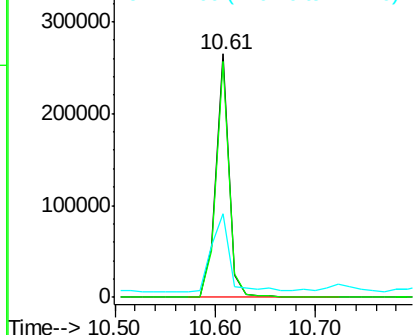
#41
 2,4,6-Tribromophenol
 Concen: 156.51 ng
 RT: 10.61 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BF093449.D
 Acq: 9 Mar 2017 00:45

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB422A

Tgt Ion:330 Resp: 243956
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 44.4 34.1 51.1

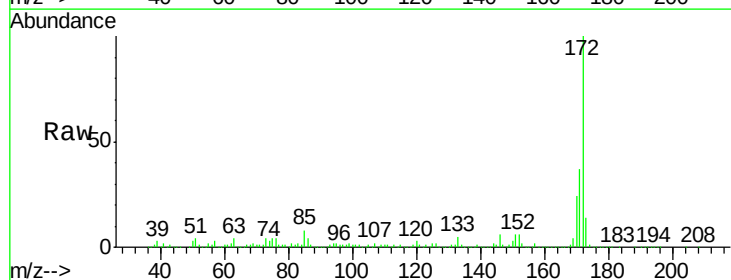


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

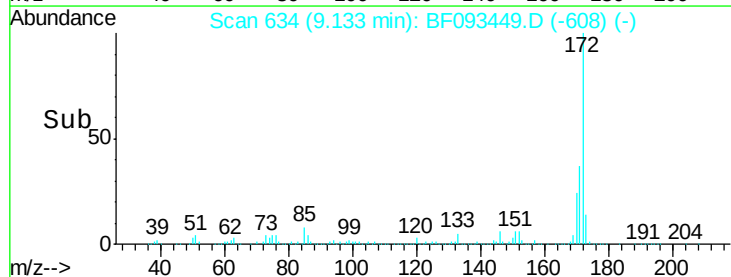
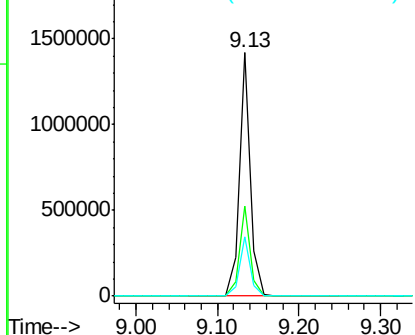


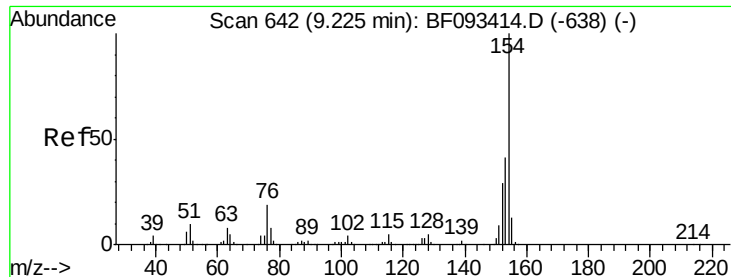
#44
 2-Fluorobiphenyl
 Concen: 103.49 ng
 RT: 9.13 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: BF093449.D
 Acq: 9 Mar 2017 00:45

Tgt Ion:172 Resp: 1331091
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.4 44.0
 170 24.4 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

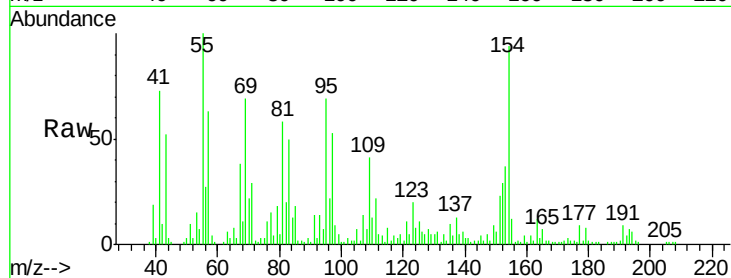




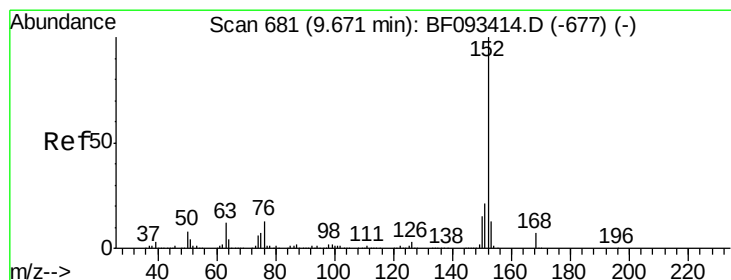
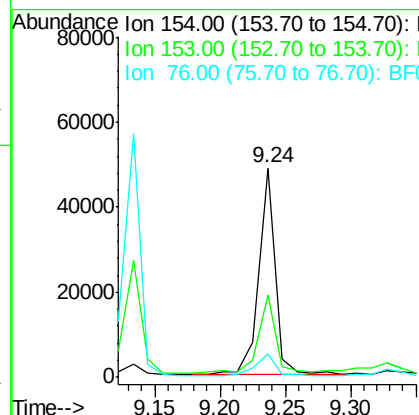
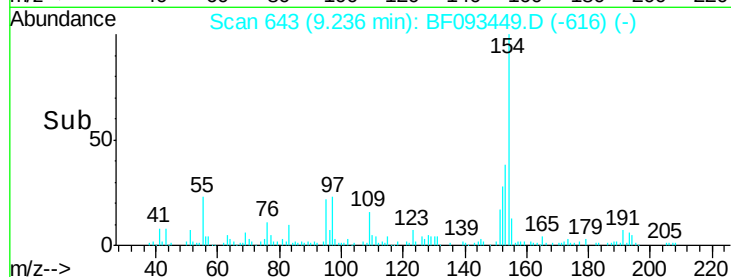
#45
 1,1'-Biphenyl
 Concen: 2.47 ng
 RT: 9.24 min Scan# 643
 Delta R.T. 0.01 min
 Lab File: BF093449.D
 Acq: 9 Mar 2017 00:45

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB422A

Tgt Ion:154 Resp: 43008
 Ion Ratio Lower Upper
 154 100
 153 39.5 20.9 60.9
 76 11.5 0.0 30.5

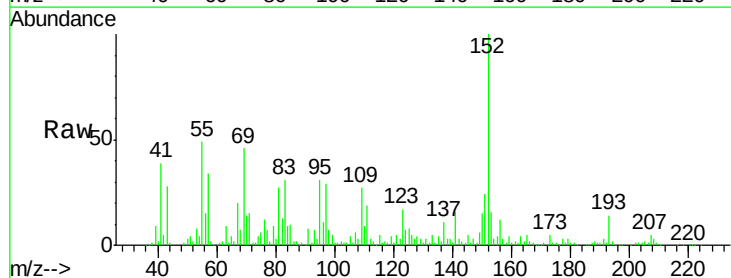


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BFO

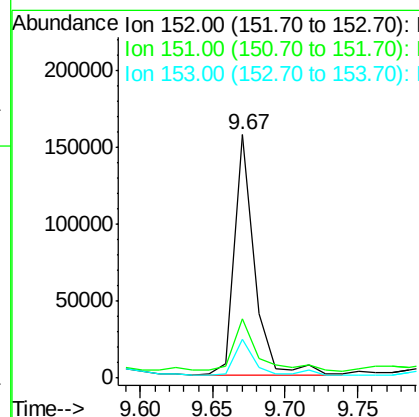
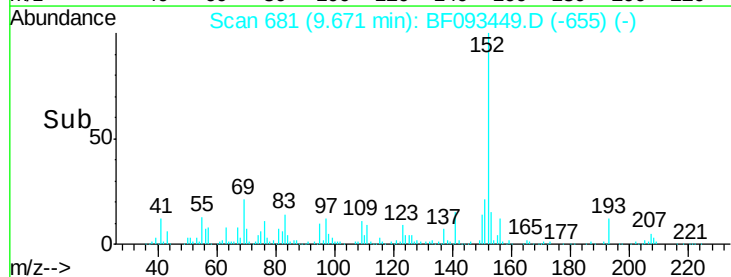


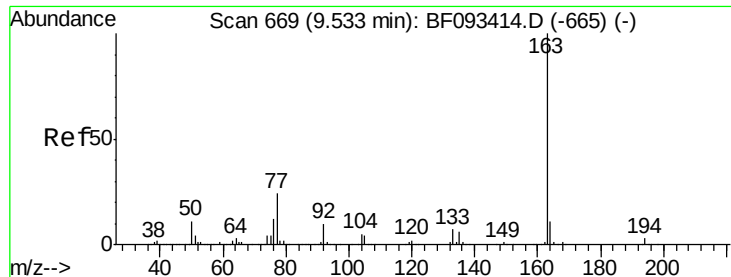
#48
 Acenaphthylene
 Concen: 6.80 ng
 RT: 9.67 min Scan# 681
 Delta R.T. 0.00 min
 Lab File: BF093449.D
 Acq: 9 Mar 2017 00:45

Tgt Ion:152 Resp: 149672
 Ion Ratio Lower Upper
 152 100
 151 24.1 16.9 25.3
 153 15.8 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 60.81 ng

RT: 9.53 min Scan# 669

Delta R.T. 0.00 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

Instrument :

BNA_F

ClientSampleId :

HY-SB422A

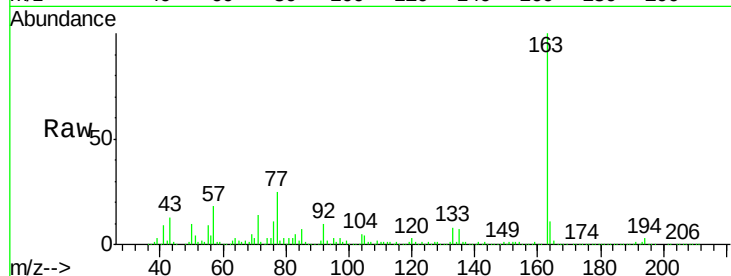
Tgt Ion:163 Resp: 964542

Ion Ratio Lower Upper

163 100

194 3.4 3.0 4.4

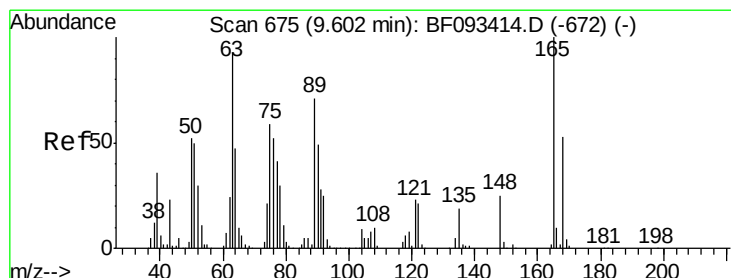
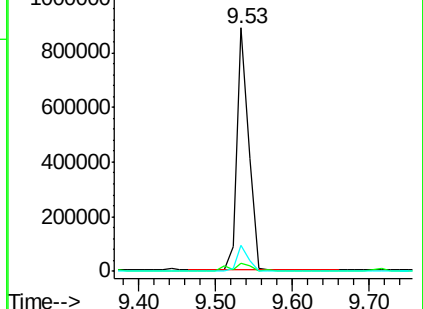
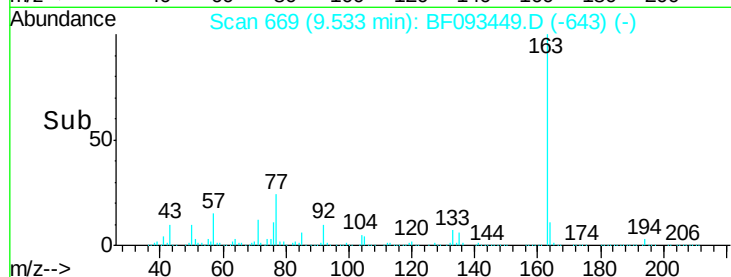
164 10.9 8.0 12.0



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



#50

2,6-Dinitrotoluene

Concen: 3.92 ng

RT: 9.53 min Scan# 669

Delta R.T. -0.07 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

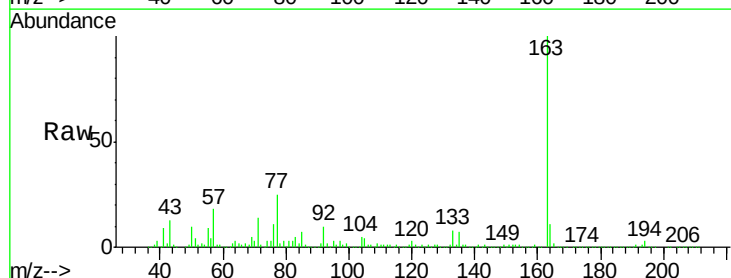
Tgt Ion:165 Resp: 13645

Ion Ratio Lower Upper

165 100

63 133.5 36.2 54.4#

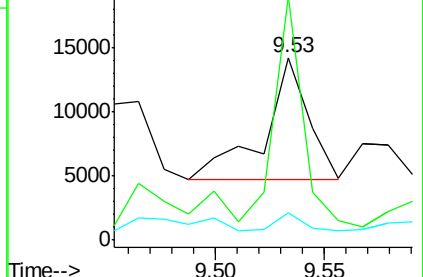
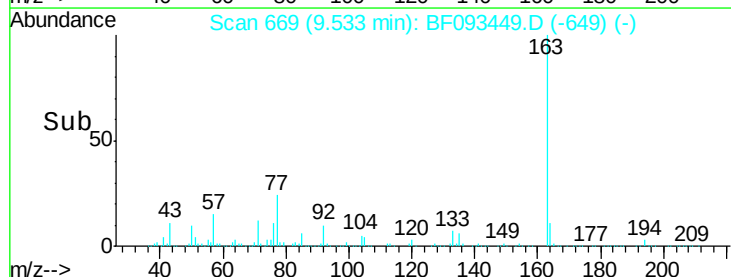
89 14.8 40.2 60.4#

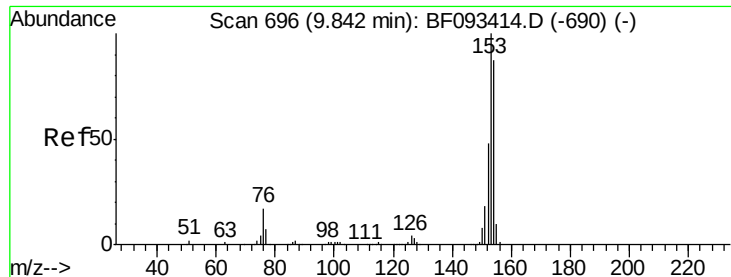


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 17.32 ng

RT: 9.84 min Scan# 696

Delta R.T. 0.00 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

Instrument :

BNA_F

ClientSampleId :

HY-SB422A

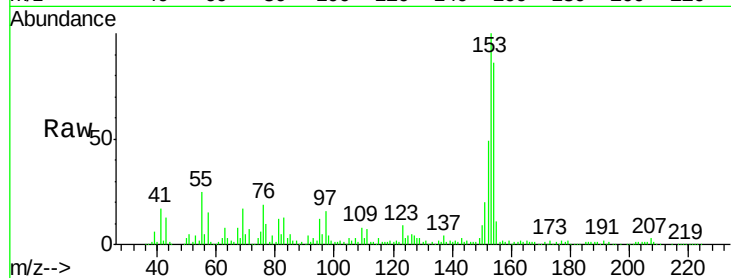
Tgt Ion:154 Resp: 225360

Ion Ratio Lower Upper

154 100

153 115.8 88.6 133.0

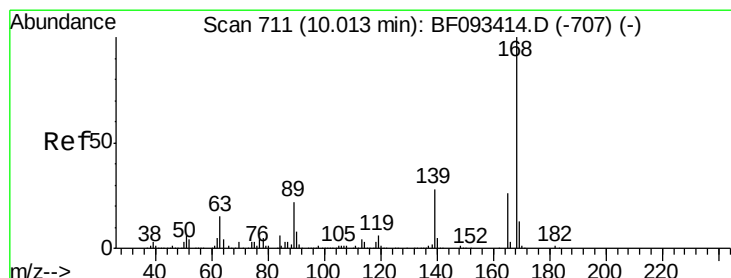
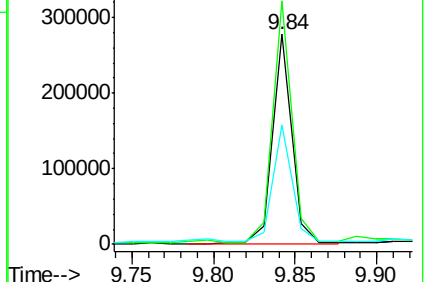
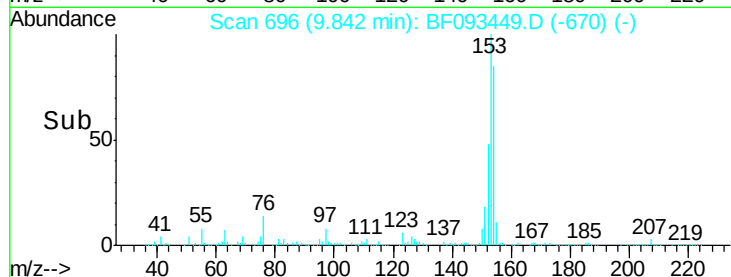
152 57.0 41.6 62.4



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: 14.06 ng

RT: 10.01 min Scan# 711

Delta R.T. -0.00 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

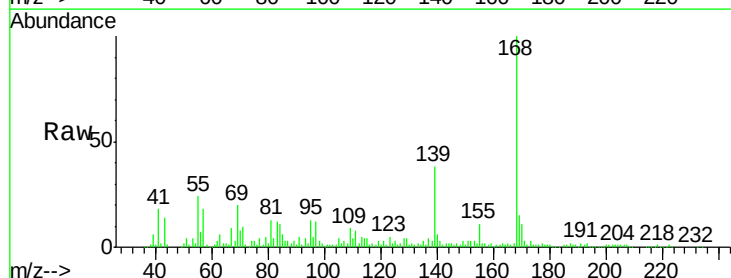
Tgt Ion:168 Resp: 229002

Ion Ratio Lower Upper

168 100

139 37.9 32.6 49.0

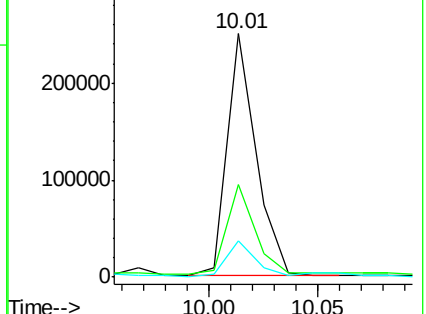
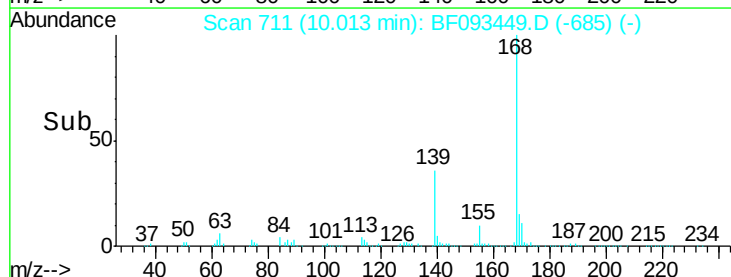
169 15.0 11.3 16.9

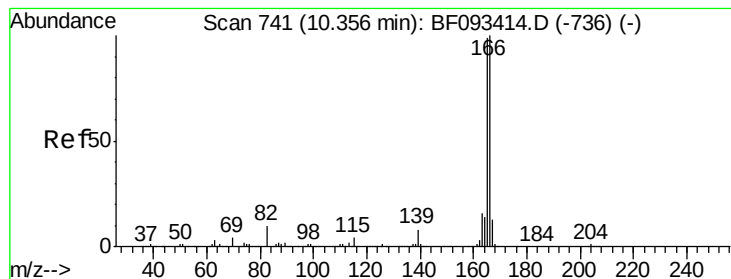


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 12.71 ng

RT: 10.36 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

Instrument :

BNA_F

ClientSampleId :

HY-SB422A

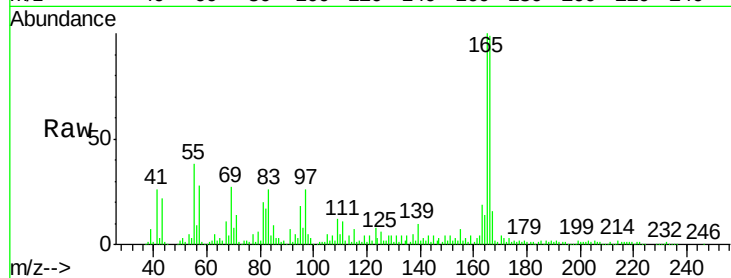
Tgt Ion:166 Resp: 175438

Ion Ratio Lower Upper

166 100

165 101.5 77.8 116.8

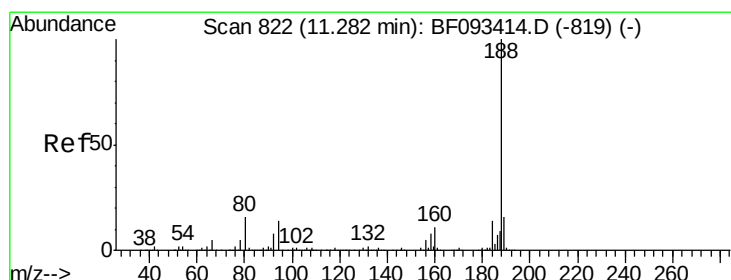
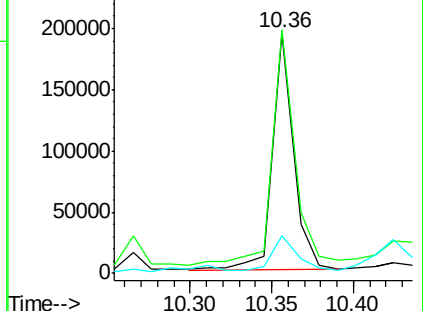
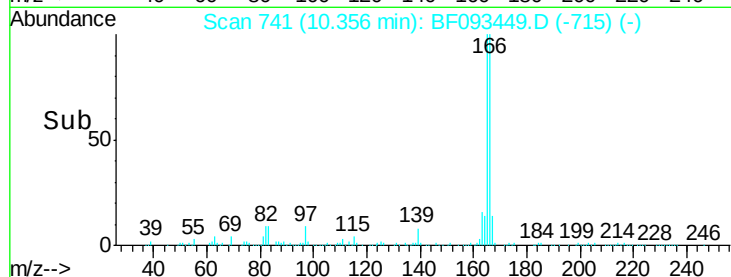
167 15.8 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 823

Delta R.T. 0.01 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

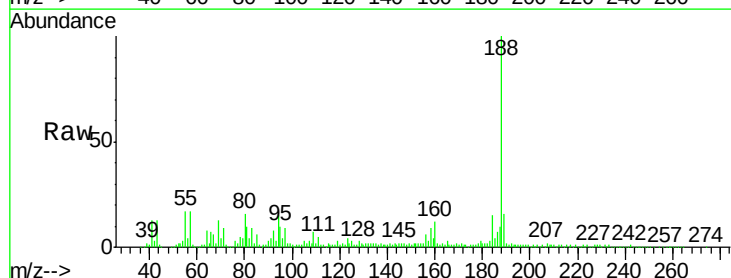
Tgt Ion:188 Resp: 403361

Ion Ratio Lower Upper

188 100

94 15.2 10.0 15.0#

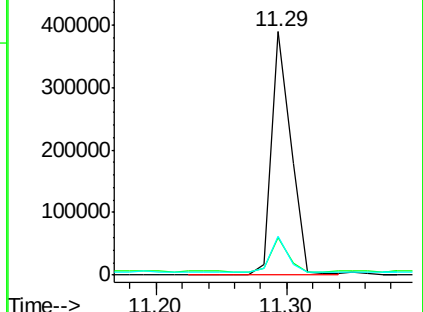
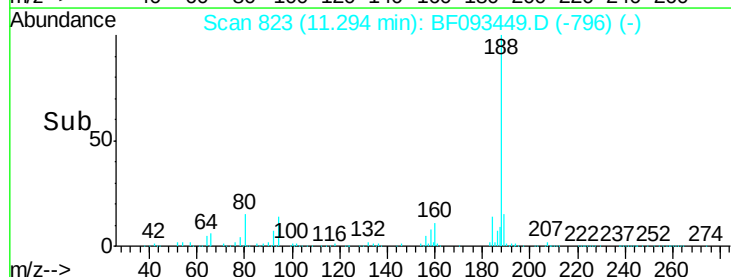
80 16.2 11.2 16.8

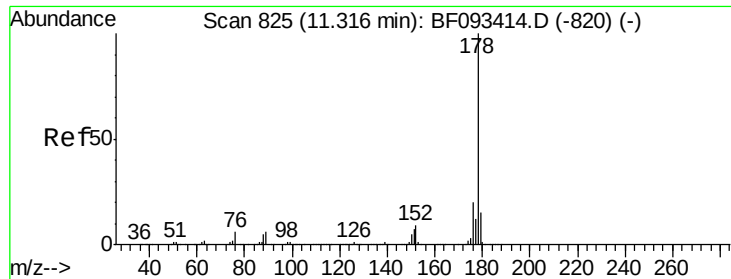


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

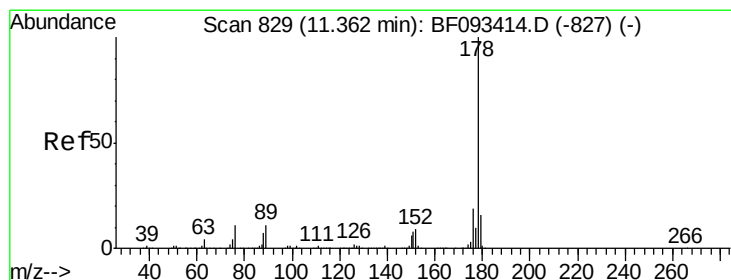
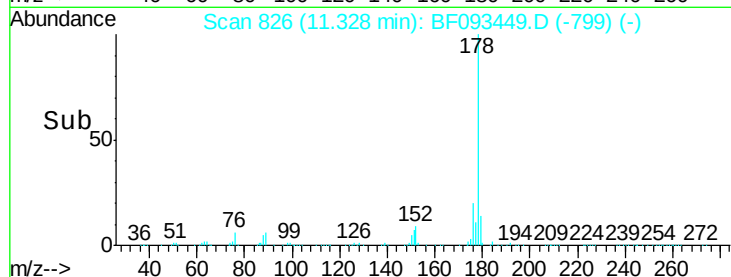
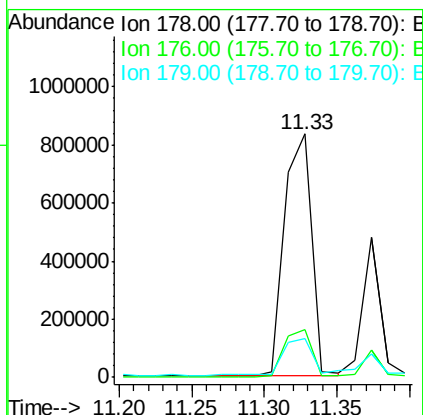
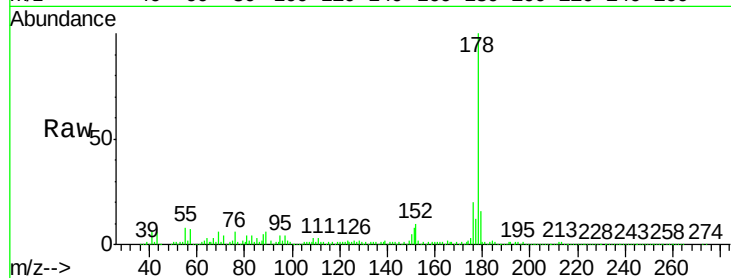




#70
Phenanthrene
Concen: 47.19 ng
RT: 11.33 min Scan# 826
Delta R.T. 0.01 min
Lab File: BF093449.D
Acq: 9 Mar 2017 00:45

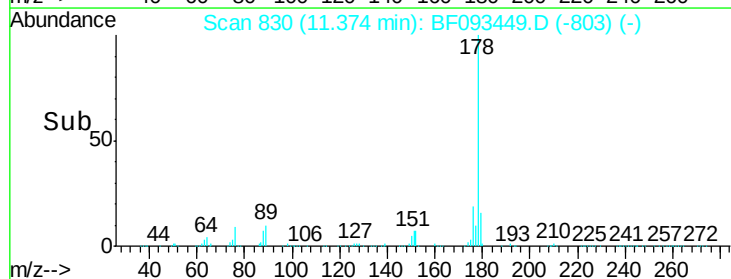
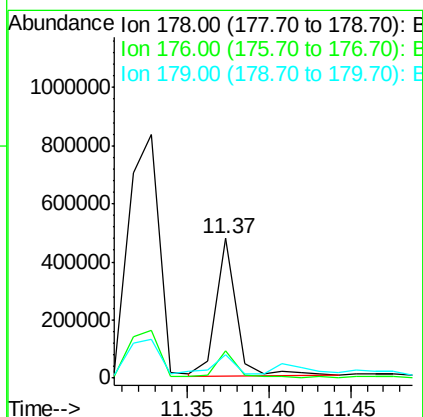
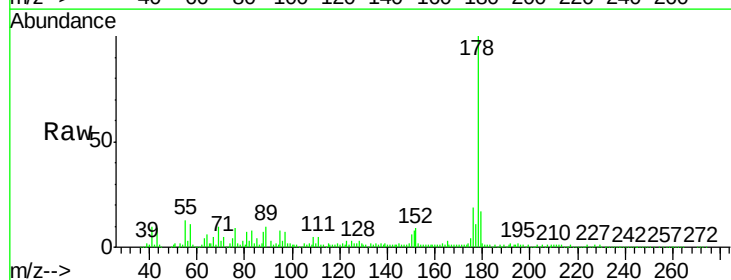
Instrument :
BNA_F
ClientSampleId :
HY-SB422A

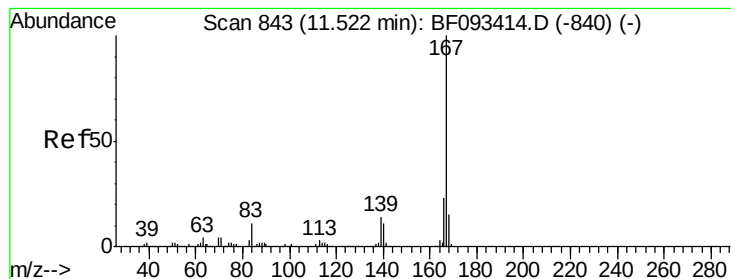
Tgt Ion:178 Resp: 1086395
Ion Ratio Lower Upper
178 100
176 19.8 16.6 25.0
179 16.1 12.8 19.2



#71
Anthracene
Concen: 17.80 ng
RT: 11.37 min Scan# 830
Delta R.T. 0.01 min
Lab File: BF093449.D
Acq: 9 Mar 2017 00:45

Tgt Ion:178 Resp: 414661
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 17.0 13.2 19.8





#72

Carbazole

Concen: 4.42 ng

RT: 11.53 min Scan# 844

Delta R.T. 0.01 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

Instrument :

BNA_F

ClientSampleId :

HY-SB422A

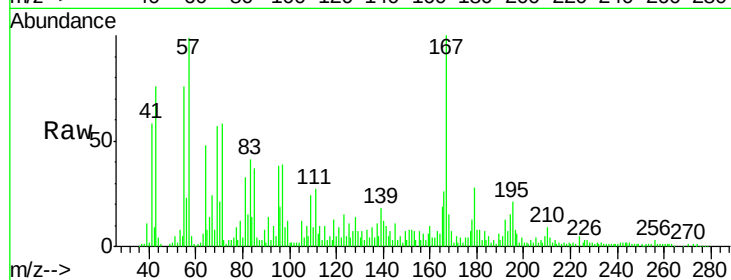
Tgt Ion:167 Resp: 96725

Ion Ratio Lower Upper

167 100

166 26.0 18.2 27.2

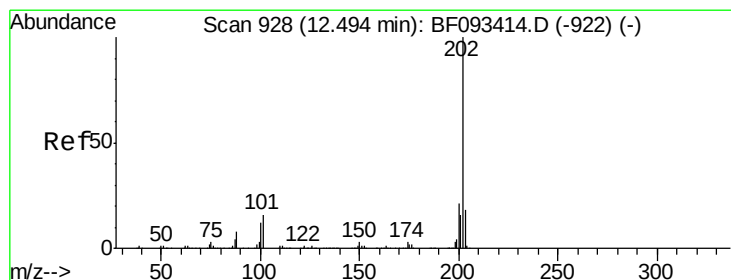
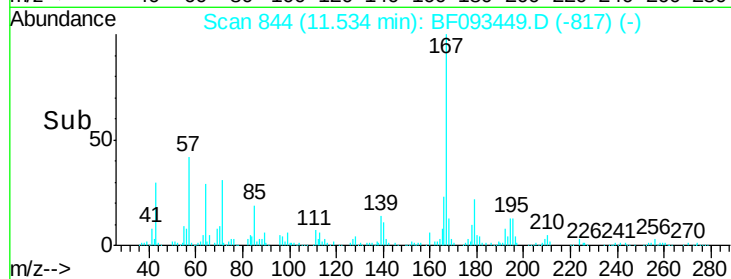
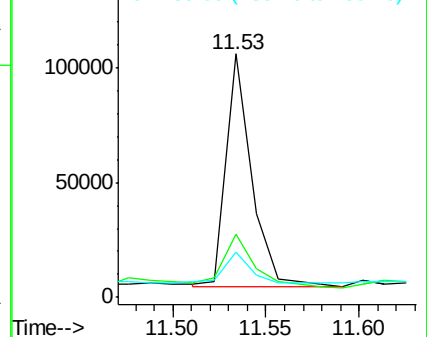
139 18.5 11.4 17.2#



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: 87.98 ng

RT: 12.52 min Scan# 930

Delta R.T. 0.02 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

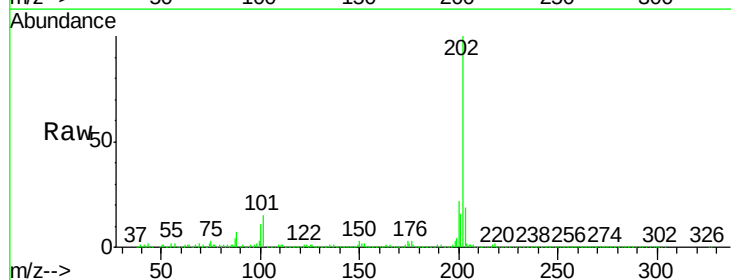
Tgt Ion:202 Resp: 1956520

Ion Ratio Lower Upper

202 100

101 14.7 0.0 34.6

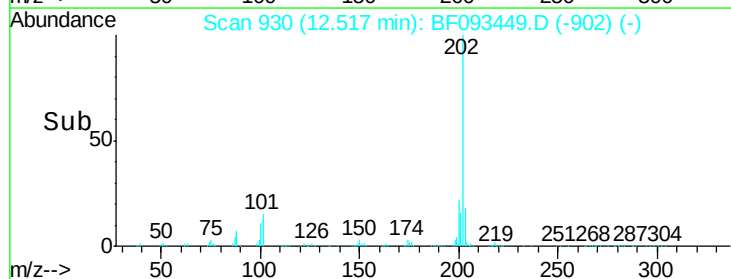
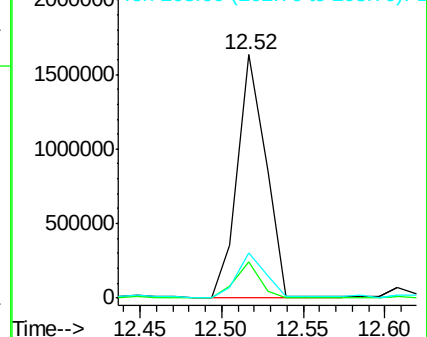
203 18.5 0.0 38.7

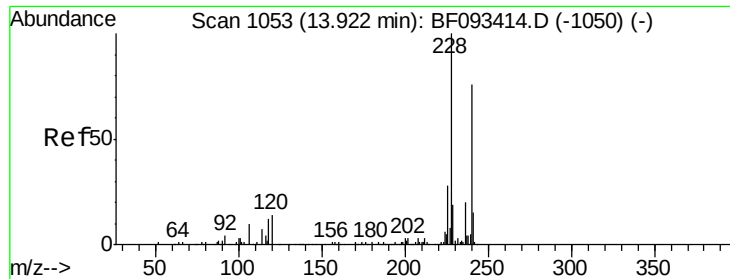


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1055

Delta R.T. 0.02 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

Instrument :

BNA_F

ClientSampleId :

HY-SB422A

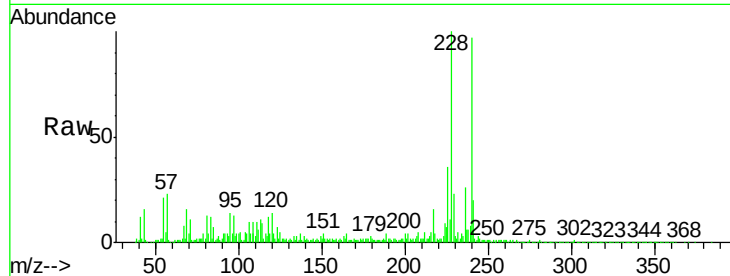
Tgt Ion:240 Resp: 315024

Ion Ratio Lower Upper

240 100

120 14.6 12.9 19.3

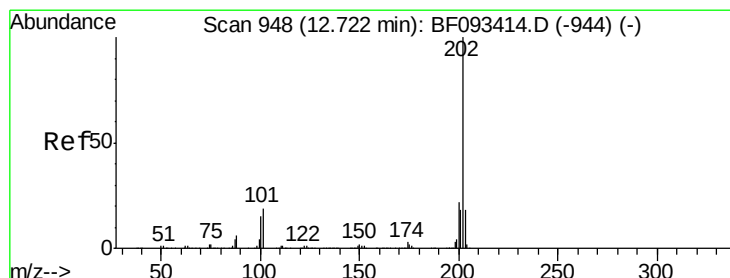
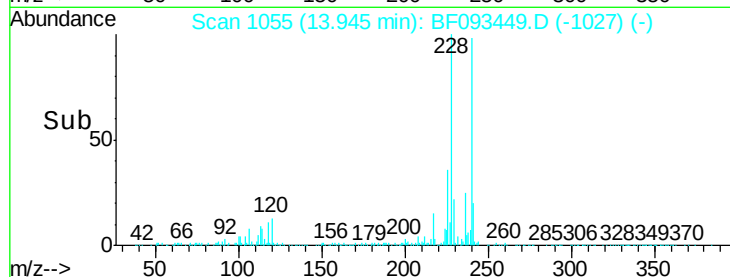
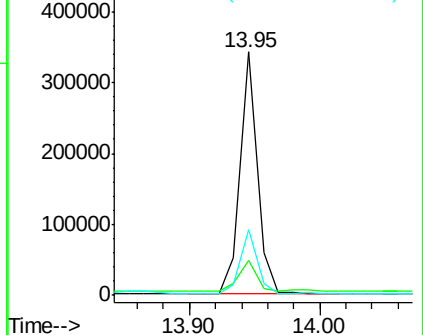
236 26.8 20.9 31.3



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: 95.02 ng

RT: 12.75 min Scan# 950

Delta R.T. 0.02 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

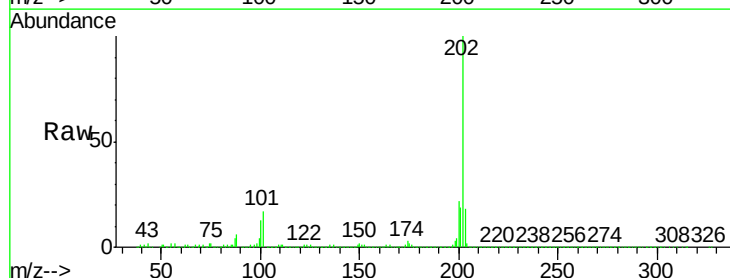
Tgt Ion:202 Resp: 2177116

Ion Ratio Lower Upper

202 100

200 22.3 17.7 26.5

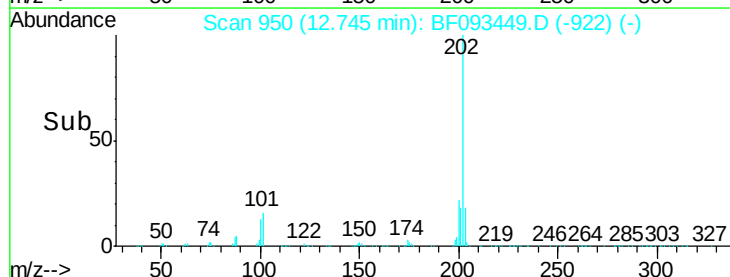
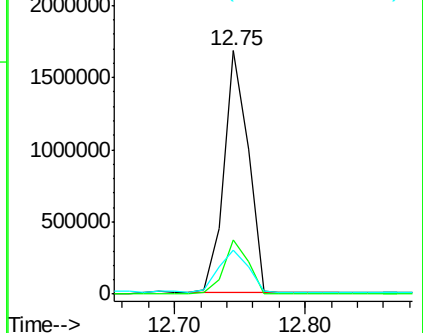
203 18.3 14.7 22.1

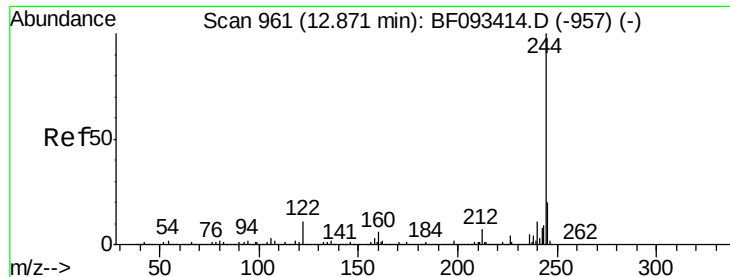


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.52 ng

RT: 12.88 min Scan# 962

Delta R.T. 0.01 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

Instrument :

BNA_F

ClientSampleId :

HY-SB422A

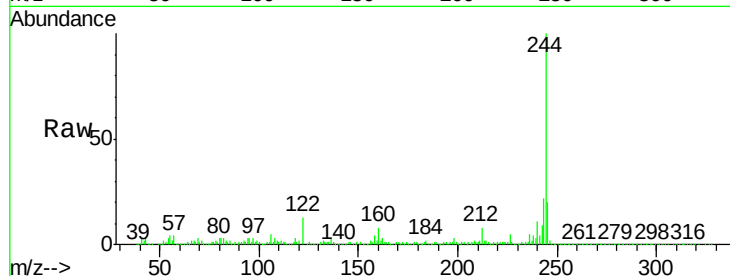
Tgt Ion:244 Resp: 951427

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

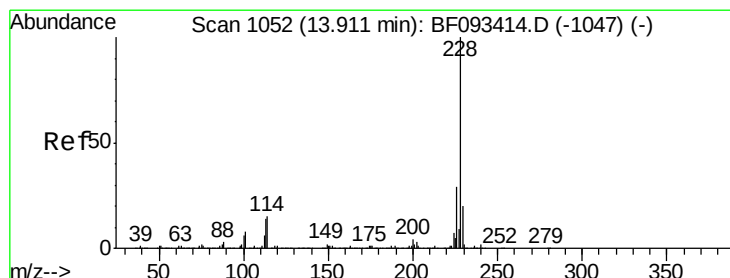
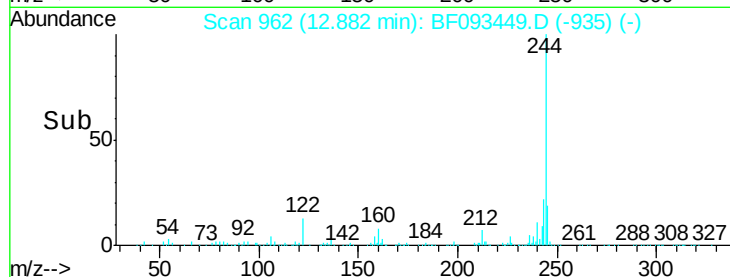
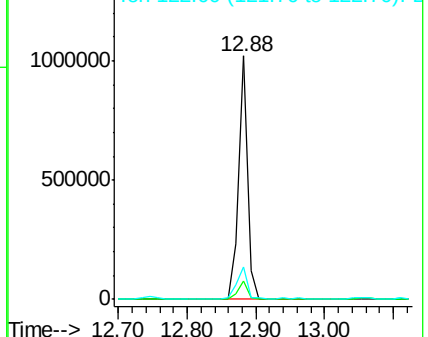
122 13.4 11.4 17.2



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: 64.54 ng

RT: 13.93 min Scan# 1054

Delta R.T. 0.02 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

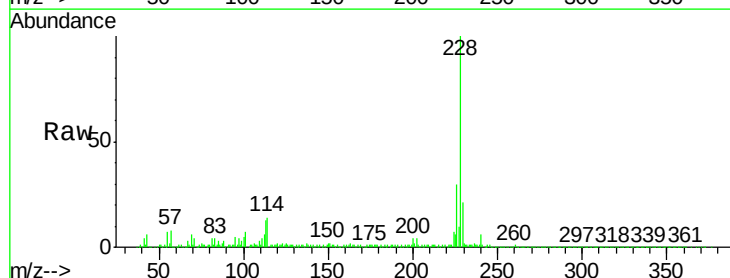
Tgt Ion:228 Resp: 1200630

Ion Ratio Lower Upper

228 100

226 29.7 22.4 33.6

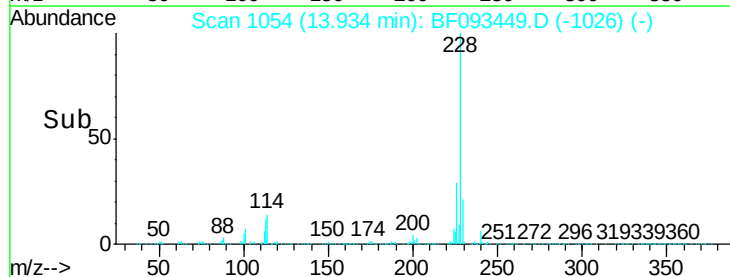
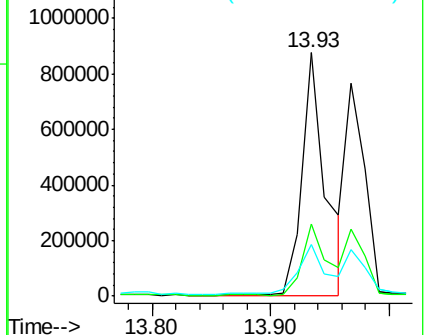
229 21.3 16.2 24.4

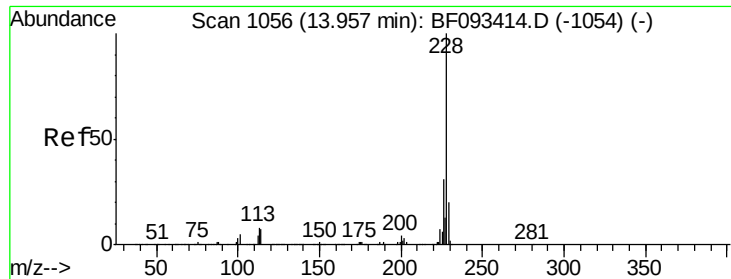


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 49.71 ng

RT: 13.97 min Scan# 1057

Delta R.T. 0.01 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

Instrument :

BNA_F

ClientSampleId :

HY-SB422A

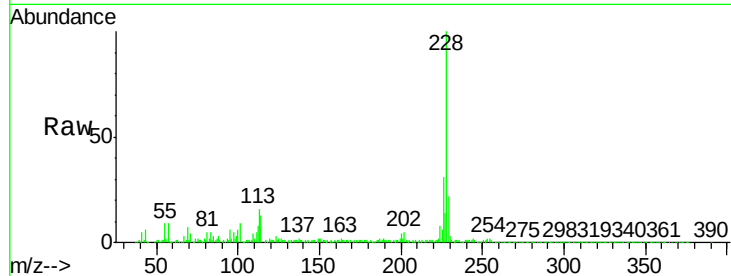
Tgt Ion:228 Resp: 855578

Ion Ratio Lower Upper

228 100

226 31.2 25.4 38.0

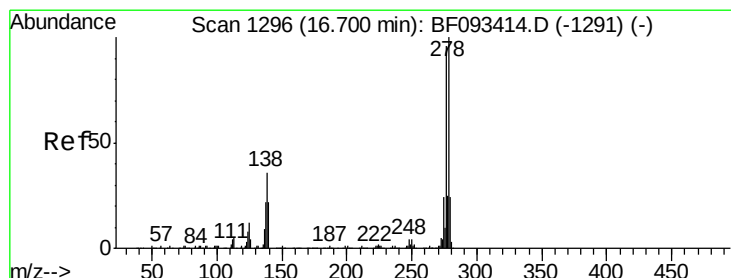
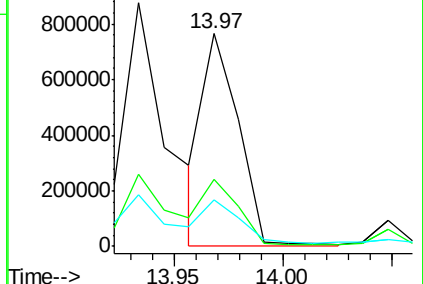
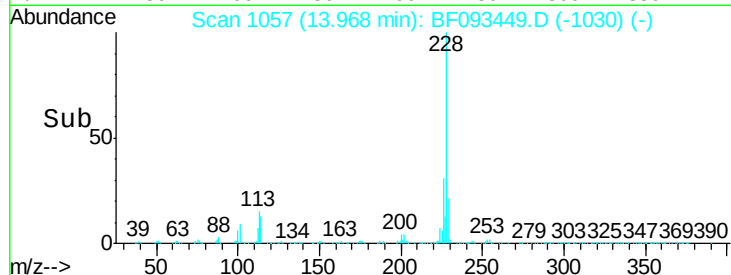
229 21.6 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 31.29 ng

RT: 16.76 min Scan# 1301

Delta R.T. 0.06 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

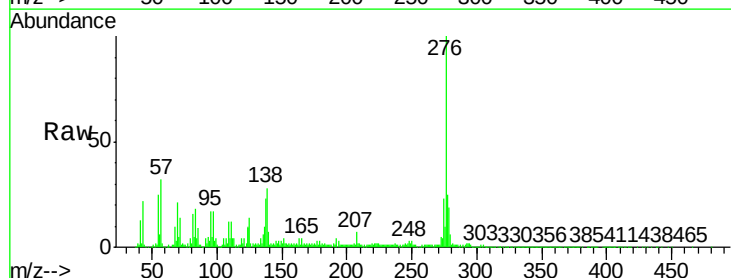
Tgt Ion:276 Resp: 450822

Ion Ratio Lower Upper

276 100

138 28.8 21.8 32.6

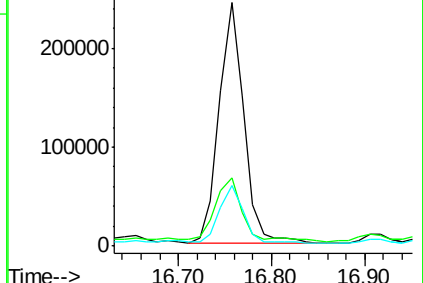
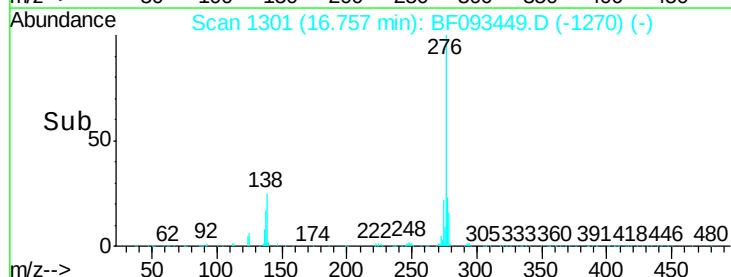
277 23.5 20.2 30.4

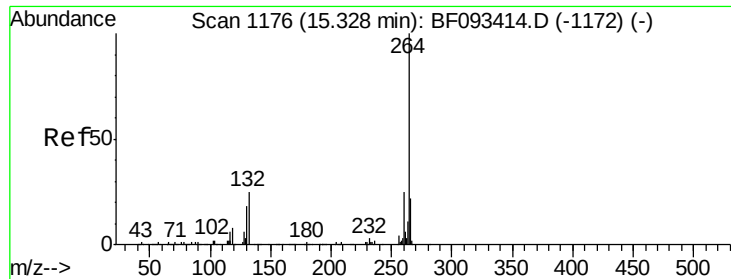


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

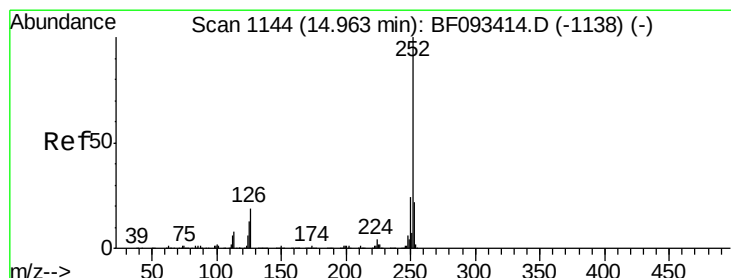
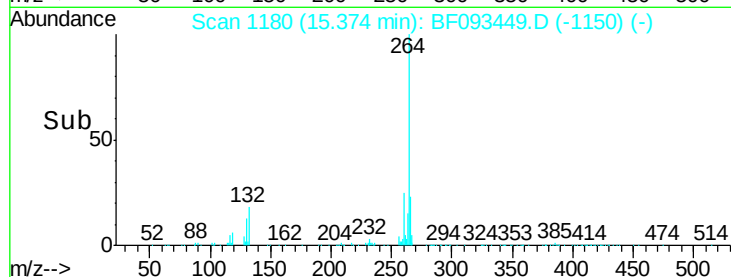
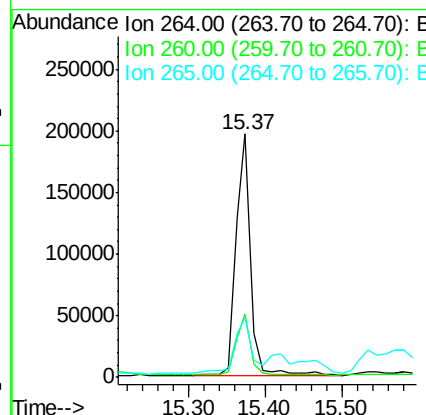
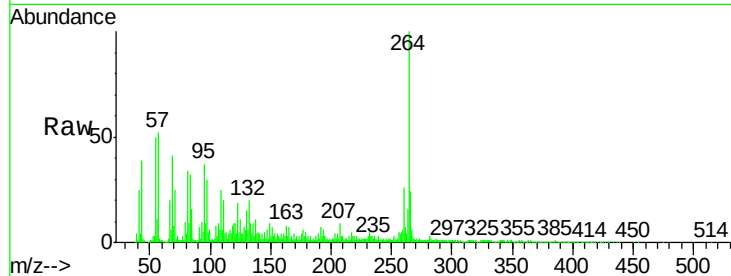




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1180
Delta R.T. 0.05 min
Lab File: BF093449.D
Acq: 9 Mar 2017 00:45

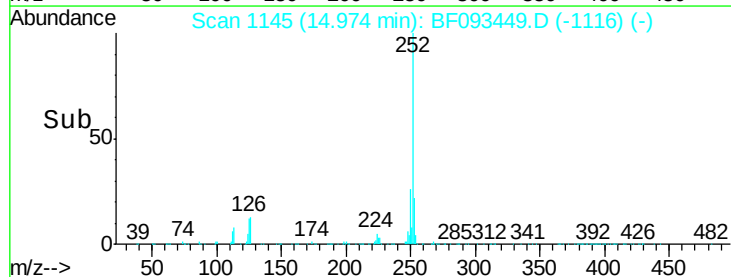
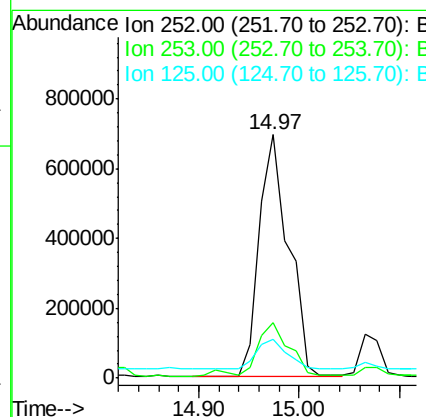
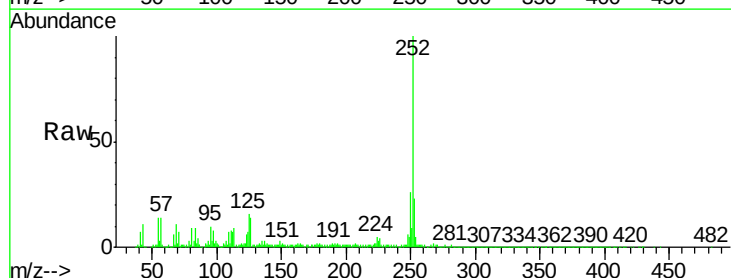
Instrument :
BNA_F
ClientSampleId :
HY-SB422A

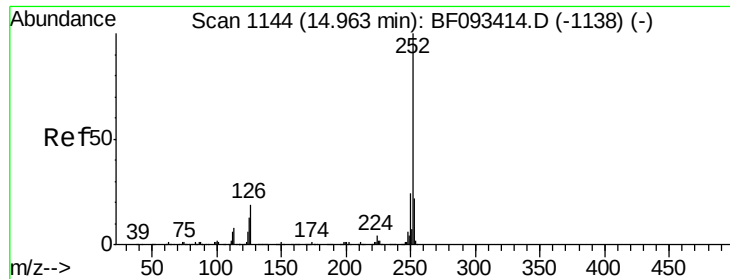
Tgt Ion:264 Resp: 270631
Ion Ratio Lower Upper
264 100
260 25.9 19.2 28.8
265 24.5 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 85.69 ng
RT: 14.97 min Scan# 1145
Delta R.T. 0.03 min
Lab File: BF093449.D
Acq: 9 Mar 2017 00:45

Tgt Ion:252 Resp: 1412418
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.4
125 15.7 9.8 14.6#





#88

Benzo(k)fluoranthene

Concen: 88.86 ng

RT: 14.97 min Scan# 1145

Delta R.T. 0.01 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

Instrument :

BNA_F

ClientSampleId :

HY-SB422A

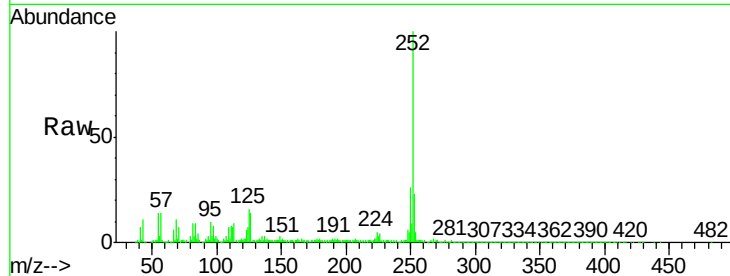
Tgt Ion:252 Resp: 1412418

Ion Ratio Lower Upper

252 100

253 22.8 18.5 27.7

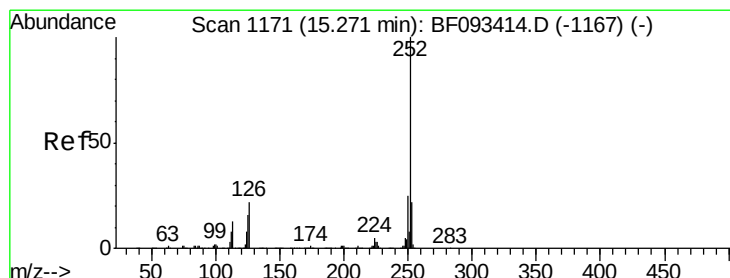
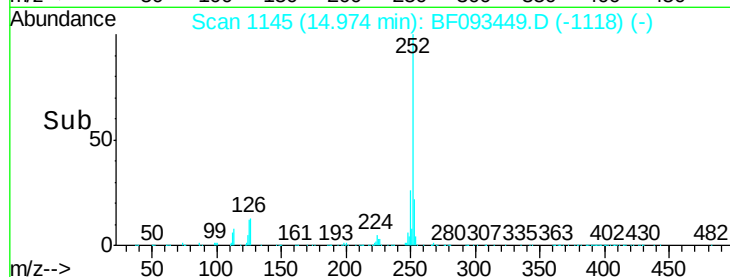
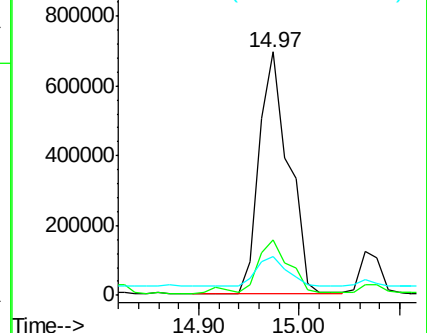
125 15.7 8.9 13.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 50.55 ng

RT: 15.32 min Scan# 1175

Delta R.T. 0.05 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

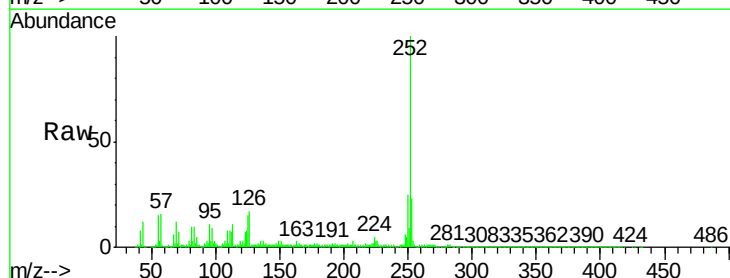
Tgt Ion:252 Resp: 761493

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

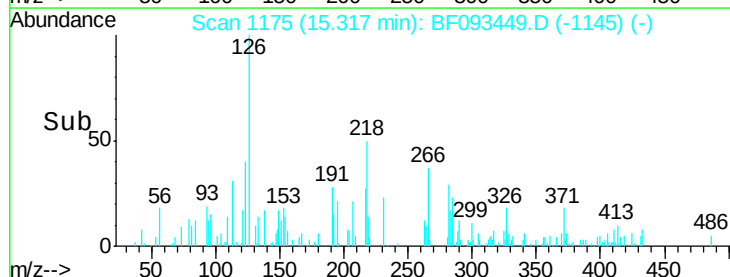
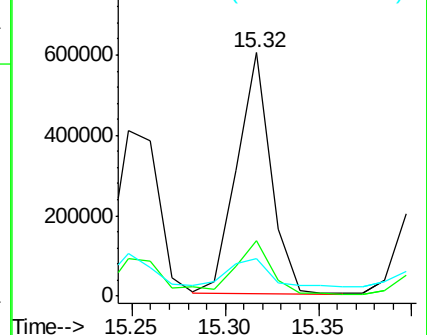
125 15.5 10.0 15.0#

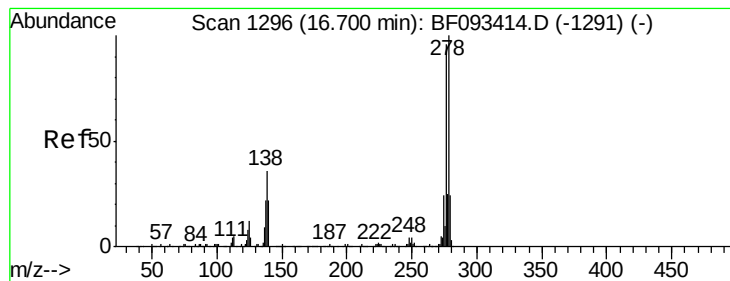


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 7.84 ng

RT: 16.76 min Scan# 1301

Delta R.T. 0.06 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

Instrument :

BNA_F

ClientSampleId :

HY-SB422A

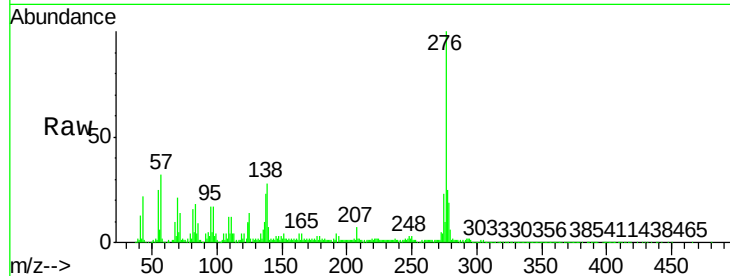
Tgt Ion:278 Resp: 97751

Ion Ratio Lower Upper

278 100

139 35.3 14.8 22.2#

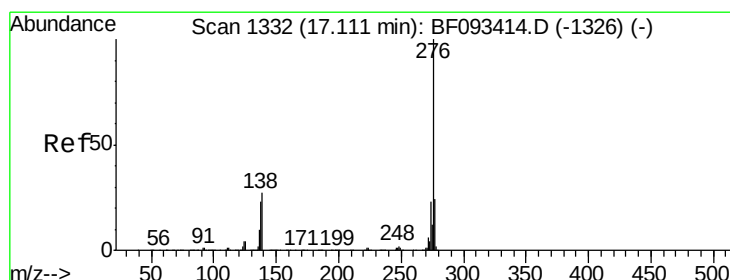
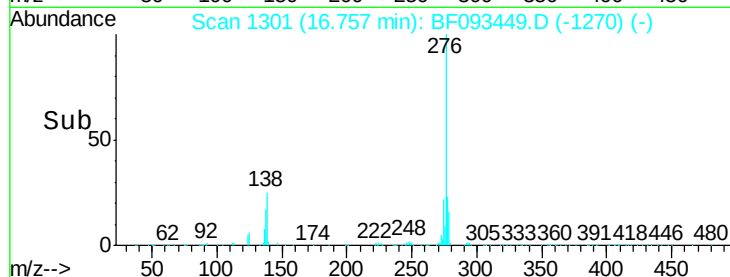
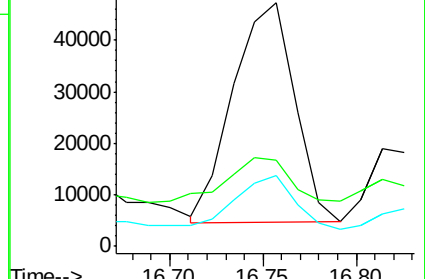
279 29.3 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 36.50 ng

RT: 17.18 min Scan# 1338

Delta R.T. 0.07 min

Lab File: BF093449.D

Acq: 9 Mar 2017 00:45

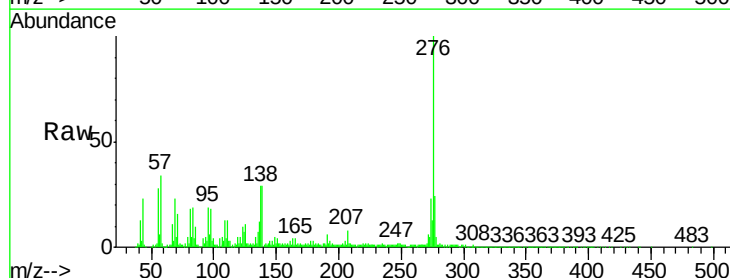
Tgt Ion:276 Resp: 466799

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 29.3 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

