

Data Path : Z:\HPCHEM1\BNA F\Data\BF031117\
 Data File : BF093596.D
 Acq On : 12 Mar 2017 7:38
 Operator : SJ/MA
 Sample : I2010-09
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB412C

Quant Time: Mar 13 18:19:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	168273	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	515949	20.00	ng	0.01
38) Acenaphthene-d10	9.78	164	160418	20.00	ng	0.02
63) Phenanthrene-d10	11.27	188	276597	20.00	ng	0.02
75) Chrysene-d12	13.90	240	306738	20.00	ng	0.01
86) Perylene-d12	15.31	264	260832	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	1426703	141.11	ng	0.00
7) Phenol-d6	6.39	99	1789833	140.38	ng	0.01
23) Nitrobenzene-d5	7.30	82	928107	99.81	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	151769	145.21	ng	0.03
44) 2-Fluorobiphenyl	9.10	172	1122036	130.10	ng	0.01
78) Terphenyl-d14	12.84	244	843466	71.49	ng	0.01

Target Compounds

						Qvalue
10) Phenol	6.40	94	136885	8.76	ng	95
15) Benzyl Alcohol	6.88	79	42718	4.70	ng	# 46
18) Hexachloroethane	7.27	117	41566	9.28	ng	# 18
19) n-Nitroso-di-n-propylamine	7.18	70	956901	109.17	ng	# 53
24) Nitrobenzene	7.27	77	28585	2.74	ng	# 1
25) Isophorone	7.54	82	149412	7.97	ng	# 1
26) 2-Nitrophenol	7.66	139	40489	8.49	ng	# 1
29) 2,4-Dichlorophenol	7.86	162	20175	2.76	ng	# 1
31) Naphthalene	8.05	128	319849	12.37	ng	# 81
33) 4-Chloroaniline	8.15	127	38190	3.64	ng	# 32
35) Caprolactam	8.46	113	236399	94.85	ng	# 1
36) 4-Chloro-3-methylphenol	8.65	107	43666	5.61	ng	# 39
37) 2-Methylnaphthalene	8.73	142	147112	8.94	ng	# 88
42) 2,4,6-Trichlorophenol	9.02	196	22809	8.33	ng	# 9
43) 2,4,5-Trichlorophenol	9.02	196	22809	7.77	ng	# 1
45) 1,1'-Biphenyl	9.20	154	33070	2.83	ng	82
46) 2-Chloronaphthalene	9.25	162	18401	2.06	ng	# 1
47) 2-Nitroaniline	9.41	65	11242	3.56	ng	# 50
48) Acenaphthylene	9.65	152	88324	5.99	ng	# 17
49) Dimethylphthalate	9.50	163	151034	14.20	ng	# 62
50) 2,6-Dinitrotoluene	9.56	165	83783	35.90	ng	# 81
51) Acenaphthene	9.82	154	140738	16.13	ng	# 79
52) 3-Nitroaniline	9.73	138	57814	20.62	ng	# 30
53) 2,4-Dinitrophenol	9.86	184	3967	3.73	ng	# 1
54) Dibenzofuran	9.99	168	116547	10.67	ng	# 48
55) 4-Nitrophenol	9.99	139	76283	56.02	ng	# 34
56) 2,4-Dinitrotoluene	10.04	165	31140	10.86	ng	# 57
57) Fluorene	10.33	166	259877	28.09	ng	# 88
59) Diethylphthalate	10.13	149	21381	2.10	ng	# 1
61) 4-Nitroaniline	10.24	138	35350	12.33	ng	90
62) Azobenzene	10.48	77	81438	7.05	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.40	198	6148	3.43	ng	# 1
65) n-Nitrosodiphenylamine	10.42	169	419074	45.37	ng	# 69
68) Atrazine	10.98	200	42752	15.82	ng	# 1

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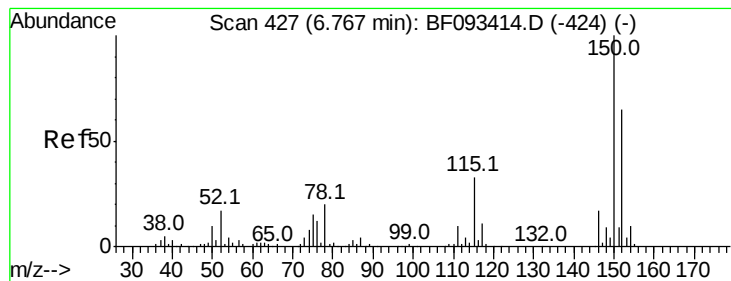
Instrument :
 BNA_F
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

69) Pentachlorophenol	11.09	266	7049	7.31	nq	# 32
70) Phenanthrene	11.29	178	633269	40.11	nq	# 93
71) Anthracene	11.35	178	214359	13.42	nq	# 85
72) Carbazole	11.51	167	40819	2.72	nq	# 24
73) Di-n-butylphthalate	11.80	149	35591	2.05	nq	# 1
74) Fluoranthene	12.48	202	1202096	78.82	nq	97
77) Pyrene	12.71	202	1400319	62.77	nq	99
80) Benzo(a)anthracene	13.89	228	633297	34.96	nq	97
82) Chrysene	13.92	228	430317	25.68	nq	97
83) Bis(2-ethylhexyl)phthalate	13.87	149	65536	5.01	nq	# 87
85) Indeno(1,2,3-cd)pyrene	16.67	276	287002	20.46	nq	97
87) Benzo(b)fluoranthene	14.92	252	789177	49.68	nq	# 91
88) Benzo(k)fluoranthene	14.92	252	789177	51.51	nq	# 91
89) Benzo(a)pyrene	15.26	252	414273	28.53	nq	# 91
90) Dibenzo(a,h)anthracene	16.67	278	59587	4.96	nq	# 64
91) Benzo(g,h,i)perylene	17.08	276	286686	23.26	nq	# 87

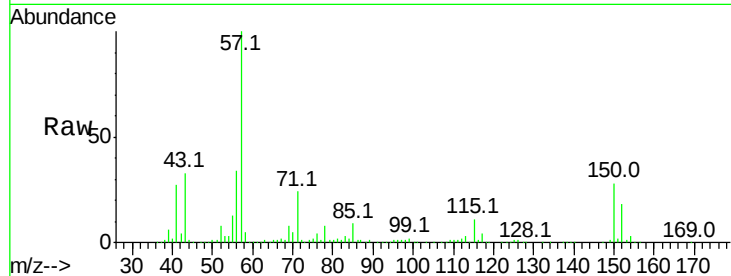
(#) = qualifier out of range (m) = manual integration (+) = signals summed



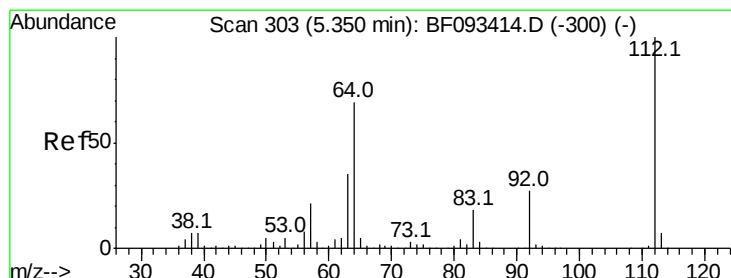
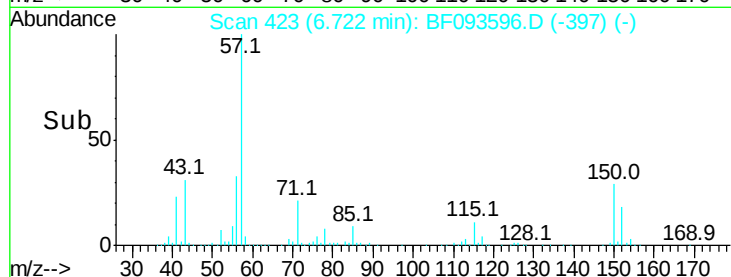
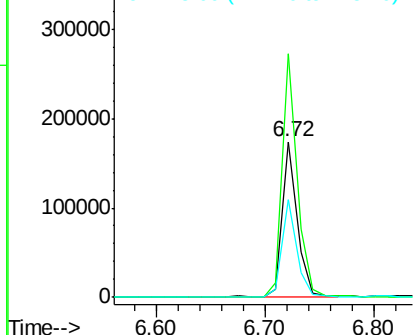
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.72 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: BF093596.D
 Acq: 12 Mar 2017 7:38

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB412C

Tot Ion:152 Resp: 168273
 Ion Ratio Lower Upper
 152 100
 150 156.3 124.9 187.3
 115 62.4 46.0 69.0

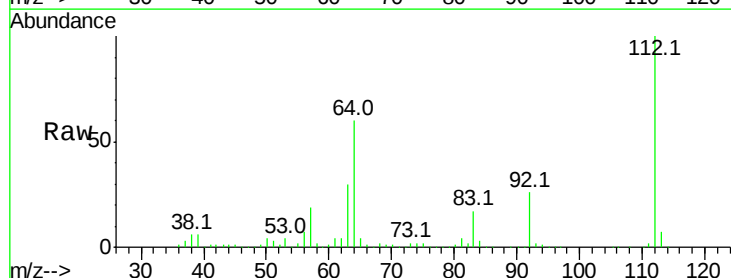


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

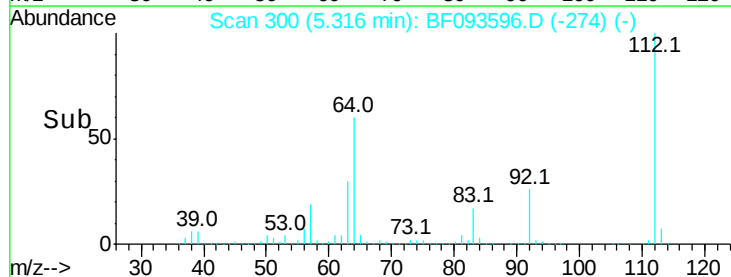
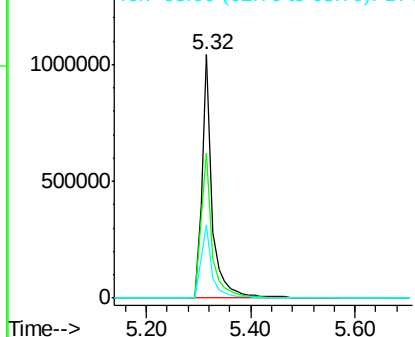


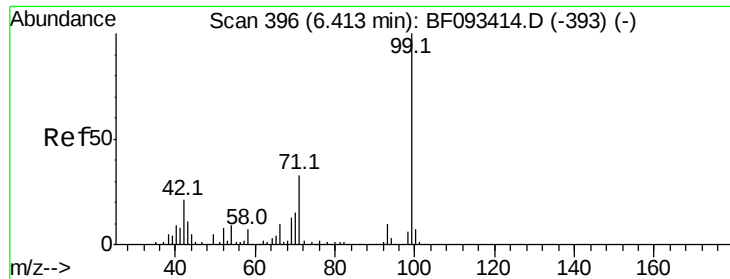
#5
 2-Fluorophenol
 Concen: 141.11 ng
 RT: 5.32 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: BF093596.D
 Acq: 12 Mar 2017 7:38

Tgt Ion:112 Resp: 1426703
 Ion Ratio Lower Upper
 112 100
 64 59.6 46.1 69.1
 63 29.9 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: 140.38 ng

RT: 6.39 min Scan# 394

Delta R.T. 0.01 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

BNA_F

ClientSampleId :

HY-SB412C

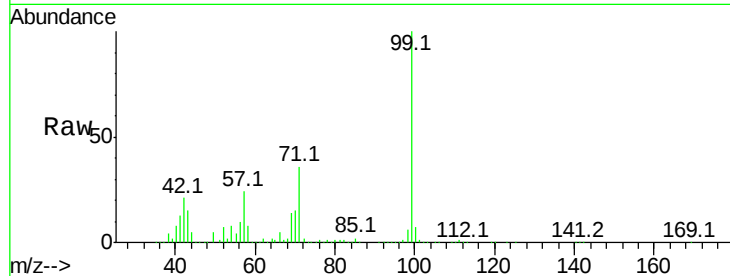
Tot Ion: 99 Resp: 1789833

Ion Ratio Lower Upper

99 100

42 20.6 15.6 23.4

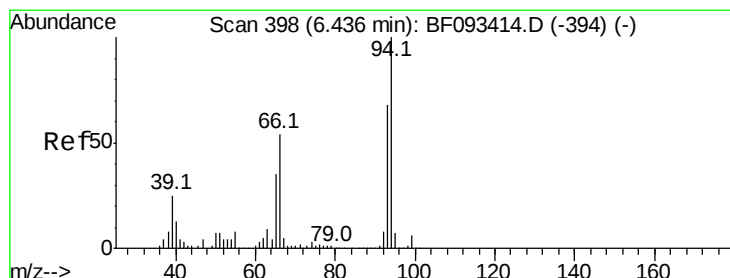
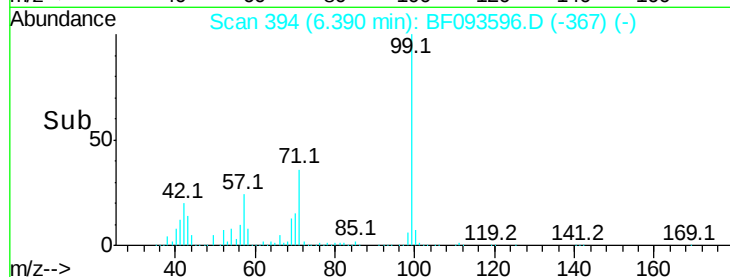
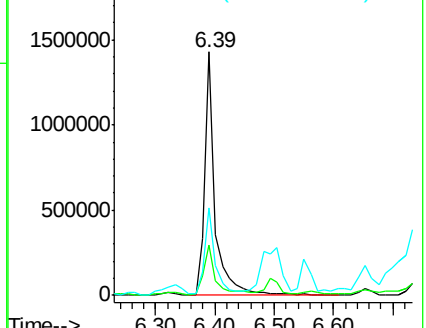
71 36.0 27.5 41.3



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: 8.76 ng

RT: 6.40 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

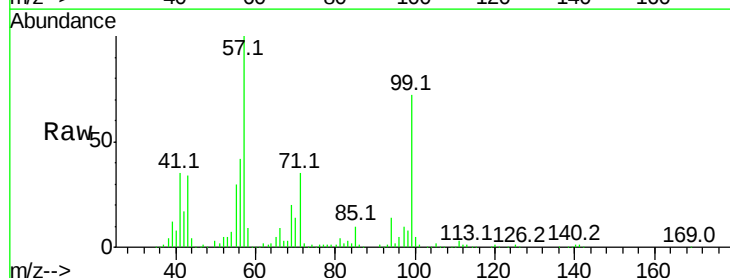
Tgt Ion: 94 Resp: 136885

Ion Ratio Lower Upper

94 100

65 36.8 21.4 61.4

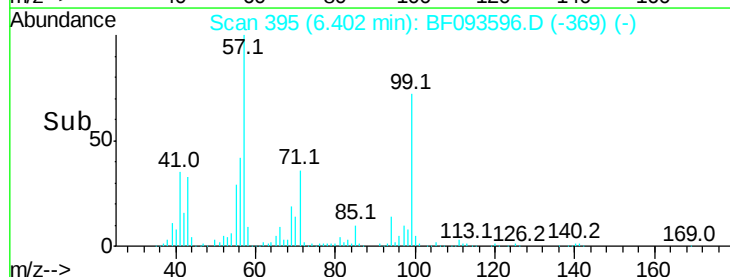
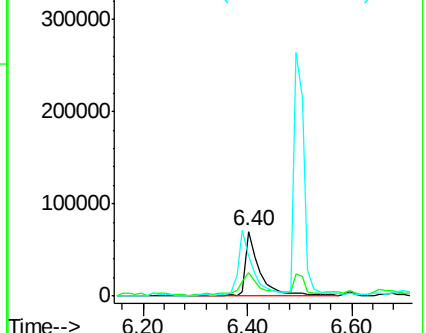
66 61.0 44.0 84.0

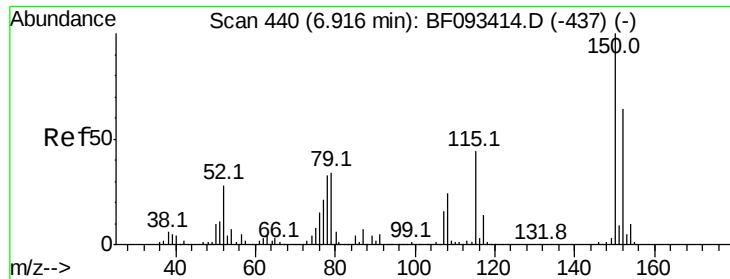


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 4.70 ng

RT: 6.88 min Scan# 437

Delta R.T. 0.00 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

BNA_F

ClientSampled :

HY-SB412C

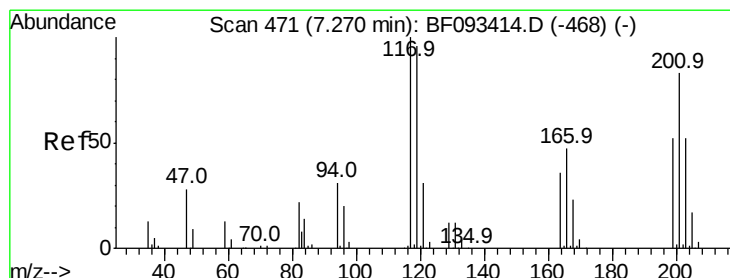
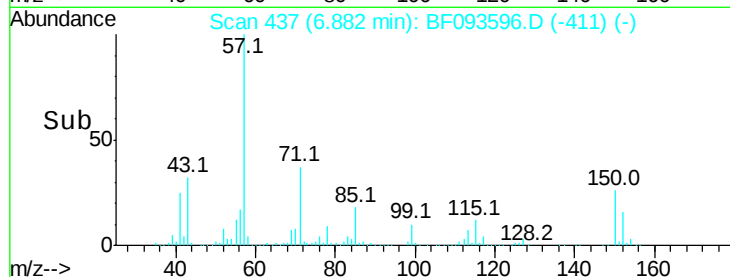
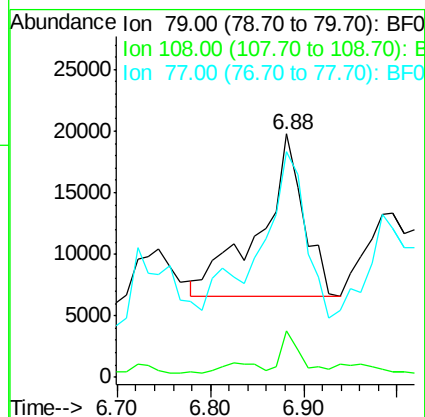
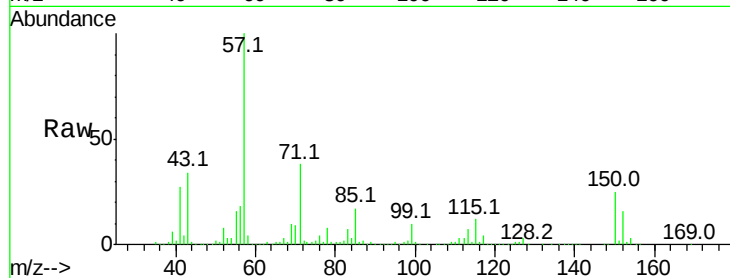
Tot Ion: 79 Resp: 42718

Ion Ratio Lower Upper

79 100

108 19.1 61.4 92.0#

77 92.9 50.9 76.3#



#18

Hexachloroethane

Concen: 9.28 ng

RT: 7.27 min Scan# 471

Delta R.T. 0.05 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

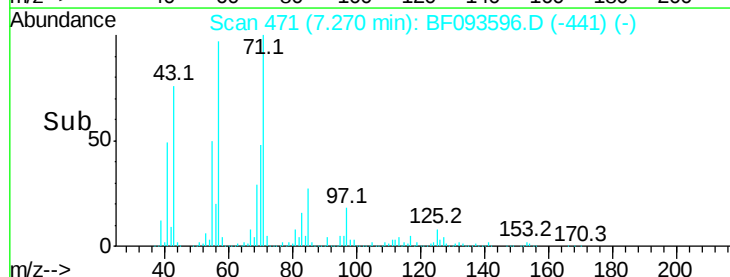
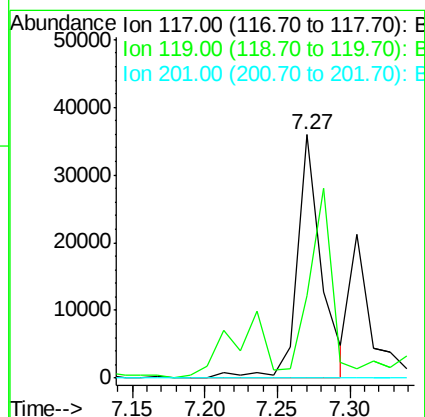
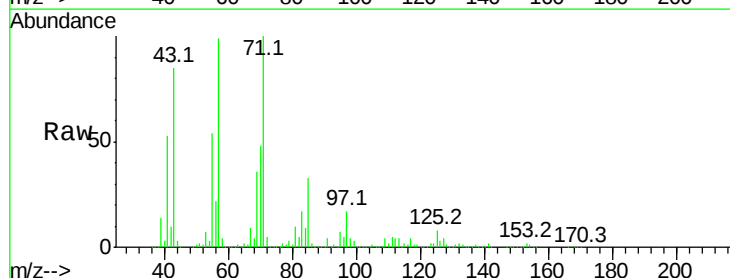
Tgt Ion: 117 Resp: 41566

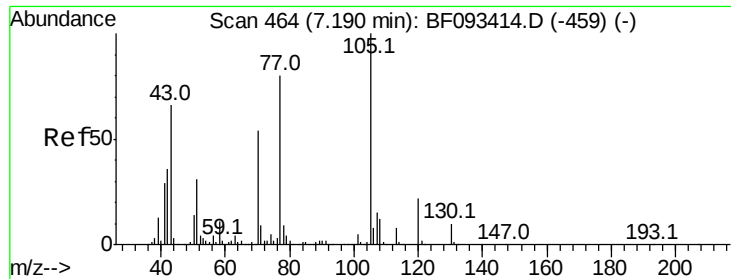
Ion Ratio Lower Upper

117 100

119 34.1 78.1 117.1#

201 0.0 78.6 117.8#

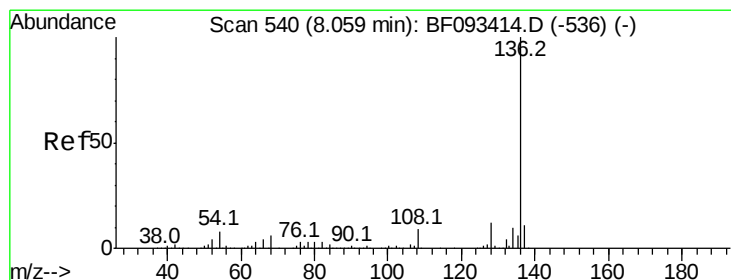
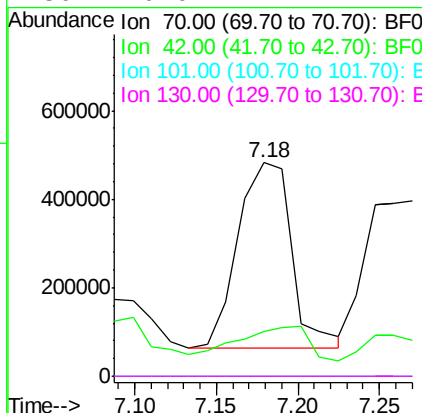
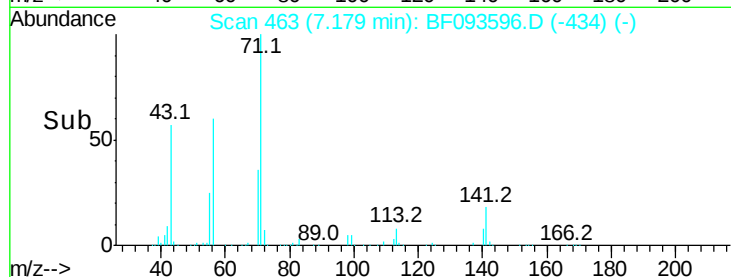
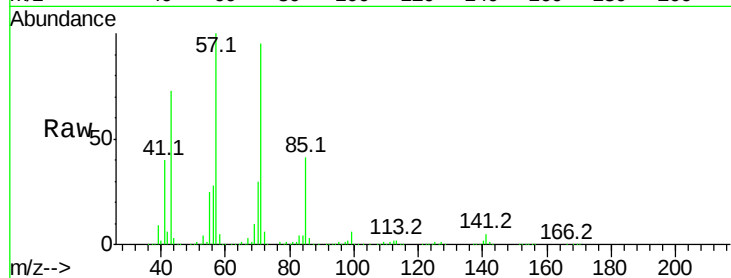




#19
n-Nitroso-di-n-propylamine
Concen: 109.17 ng
RT: 7.18 min Scan# 463
Delta R.T. 0.03 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

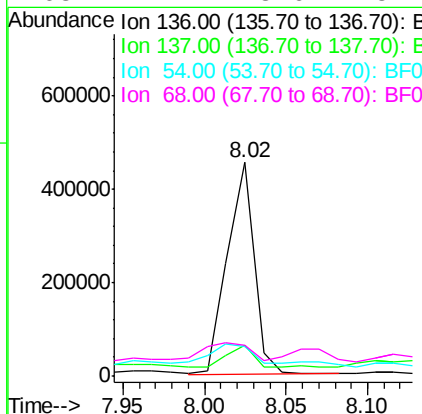
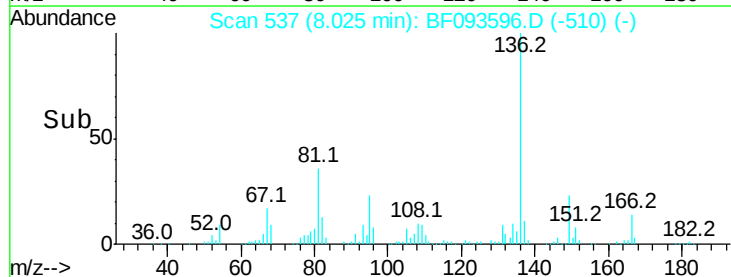
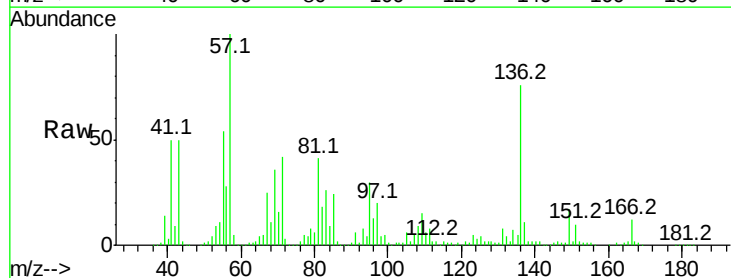
Instrument :
BNA_F
ClientSampleId :
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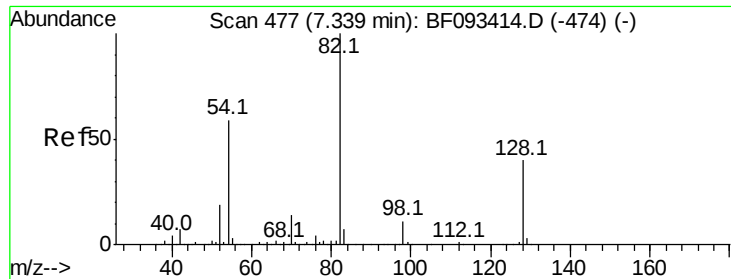
Tot Ion: 70 Resp: 956901
Ion Ratio Lower Upper
70 100
42 21.3 49.4 74.0#
101 0.1 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 537
Delta R.T. 0.01 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

Tgt Ion:136 Resp: 515949
Ion Ratio Lower Upper
136 100
137 14.1 8.4 12.6#
54 14.0 4.5 6.7#
68 14.7 3.6 5.4#

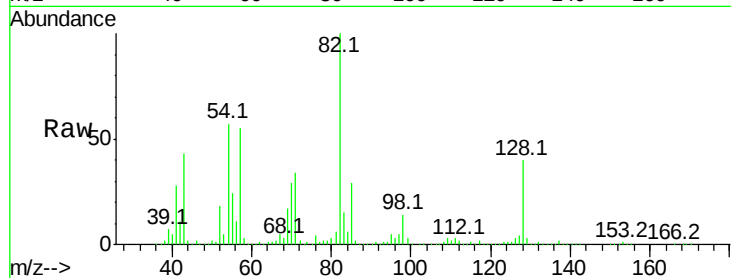




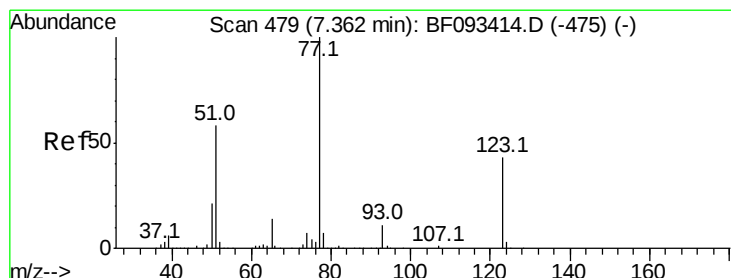
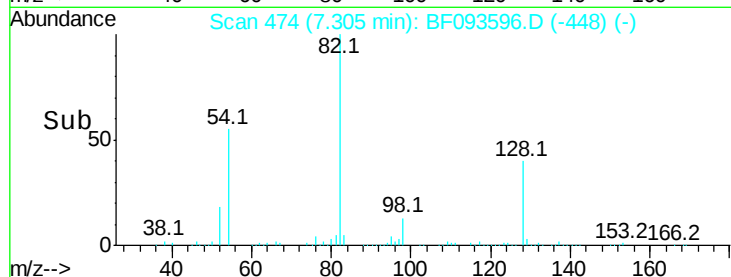
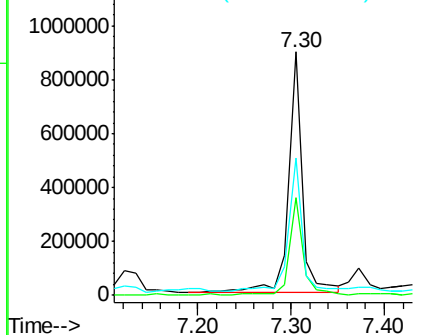
#23
Nitrobenzene-d5
Concen: 99.81 ng
RT: 7.30 min Scan# 474
Delta R.T. 0.00 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

Instrument :
BNA_F
ClientSampleId :
HY-SB412C

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.4	34.6	52.0
54	56.5	39.5	59.3

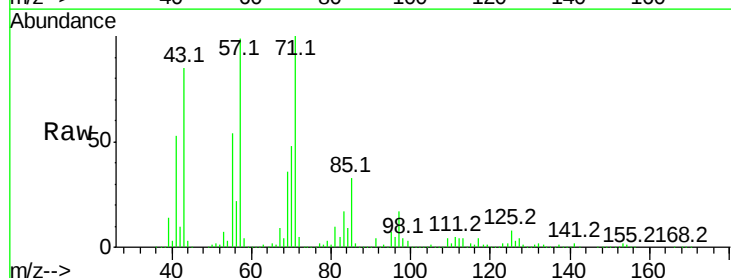


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

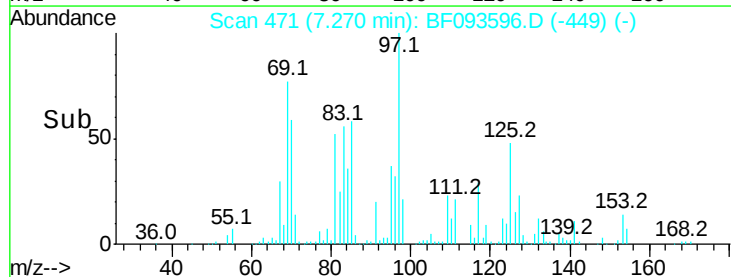
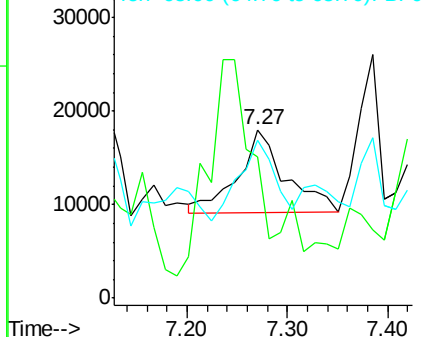


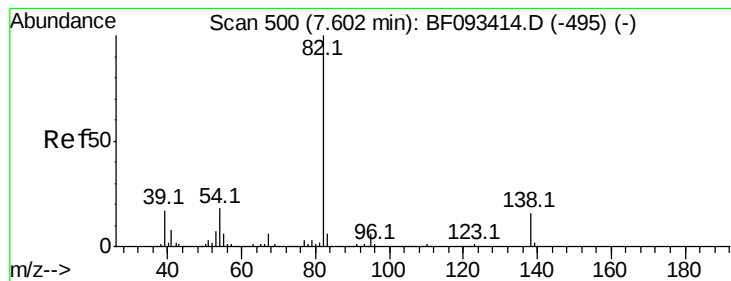
#24
Nitrobenzene
Concen: 2.74 ng
RT: 7.27 min Scan# 471
Delta R.T. -0.05 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

Tgt Ion	Ratio	Lower	Upper
77	100		
123	84.1	33.0	49.4#
65	94.1	11.2	16.8#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 7.97 ng

RT: 7.54 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

BNA_F

ClientSampleId :

HY-SB412C

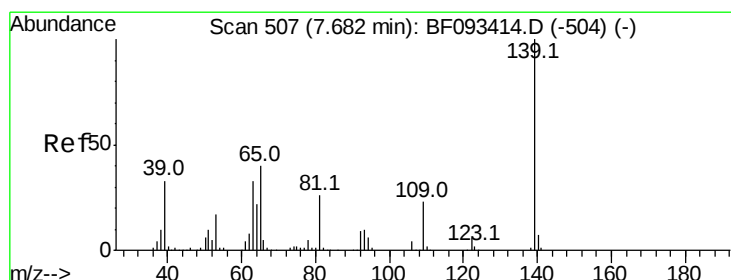
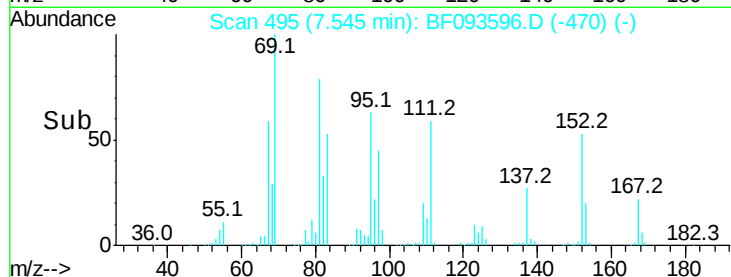
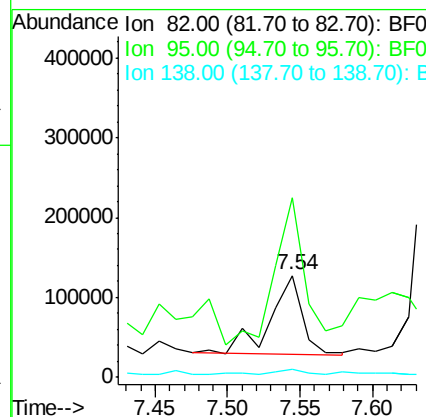
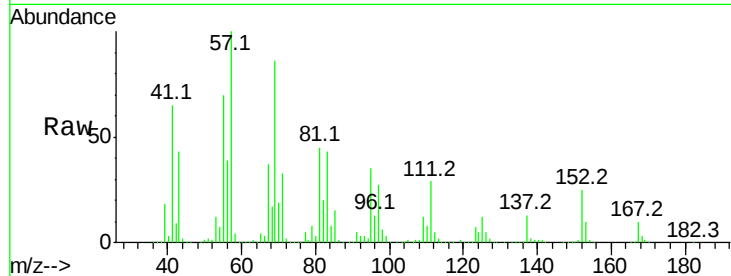
Tot Ion: 82 Resp: 149412

Ion Ratio Lower Upper

82 100

95 176.0 5.6 8.4#

138 7.6 14.6 22.0#



#26

2-Nitrophenol

Concen: 8.49 ng

RT: 7.66 min Scan# 505

Delta R.T. 0.02 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

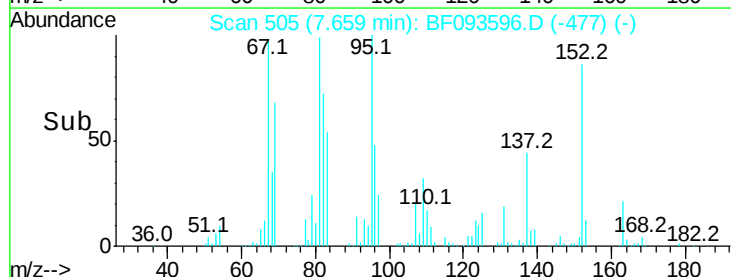
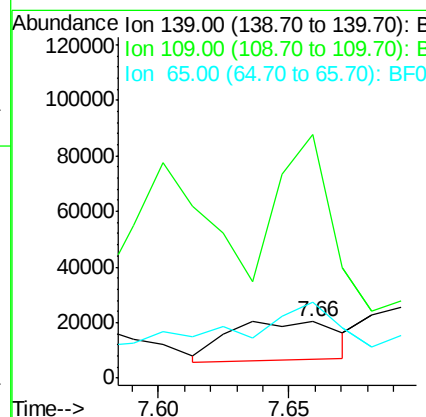
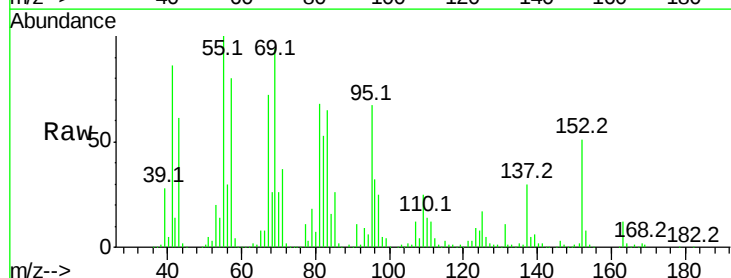
Tgt Ion: 139 Resp: 40489

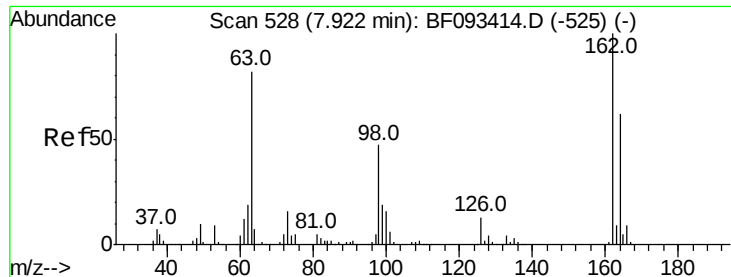
Ion Ratio Lower Upper

139 100

109 431.7 23.3 34.9#

65 133.6 42.7 64.1#

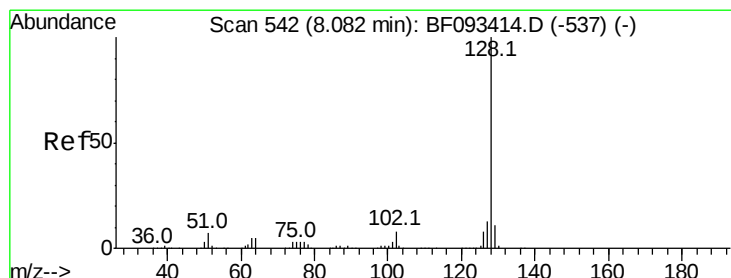
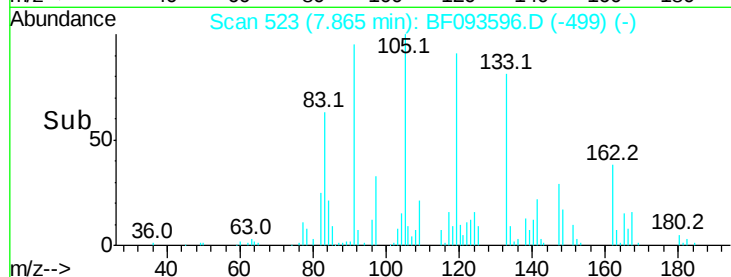
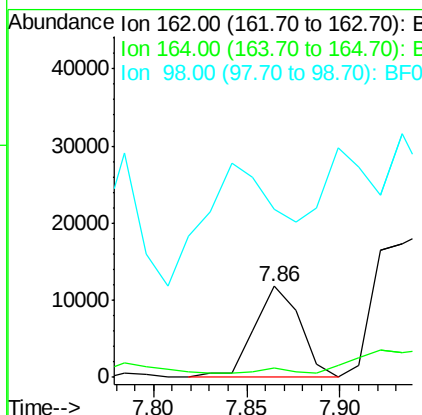
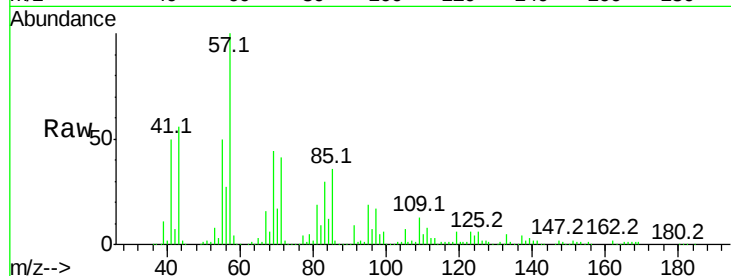




#29
2,4-Dichlorophenol
Concen: 2.76 ng
RT: 7.86 min Scan# 523
Delta R.T. -0.02 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

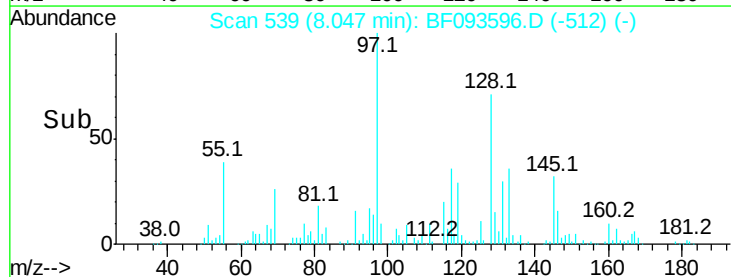
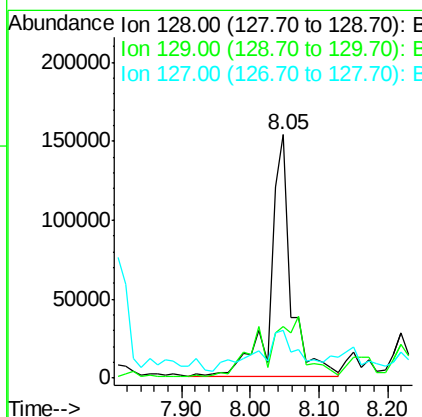
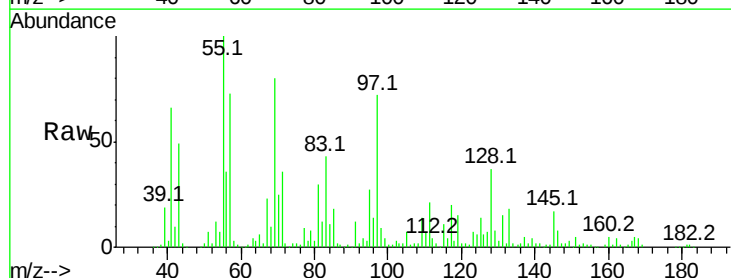
Instrument :
BNA_F
ClientSampleId :
HY-SB412C

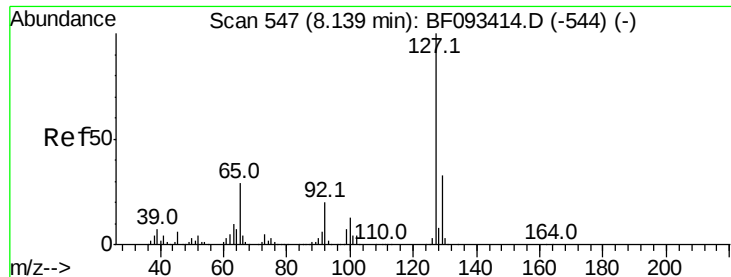
Tot Ion:162 Resp: 20175
Ion Ratio Lower Upper
162 100
164 9.8 46.8 86.8#
98 185.7 9.1 49.1#



#31
Naphthalene
Concen: 12.37 ng
RT: 8.05 min Scan# 539
Delta R.T. 0.01 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

Tgt Ion:128 Resp: 319849
Ion Ratio Lower Upper
128 100
129 21.1 9.5 14.3#
127 19.4 10.8 16.2#

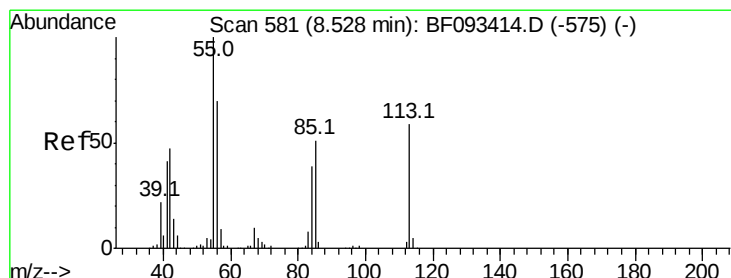
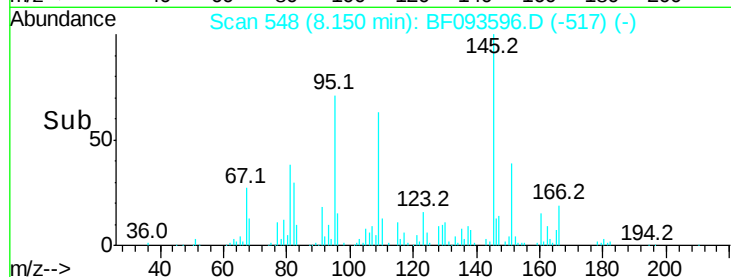
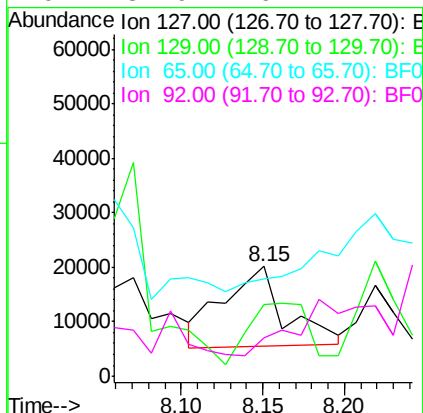
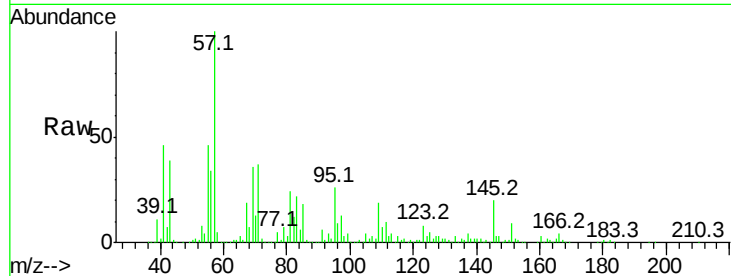




#33
4-Chloroaniline
Concen: 3.64 ng
RT: 8.15 min Scan# 548
Delta R.T. 0.06 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

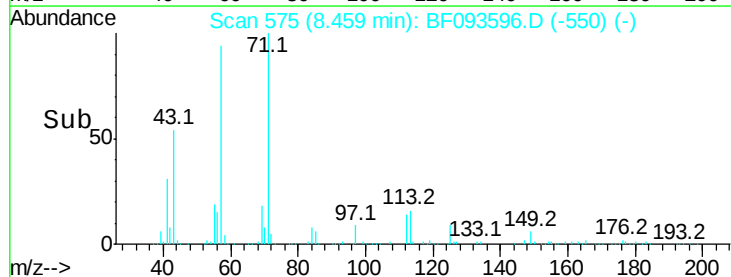
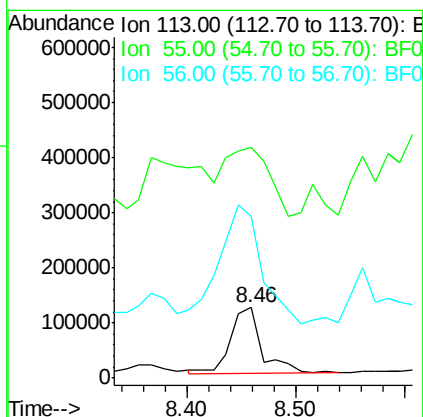
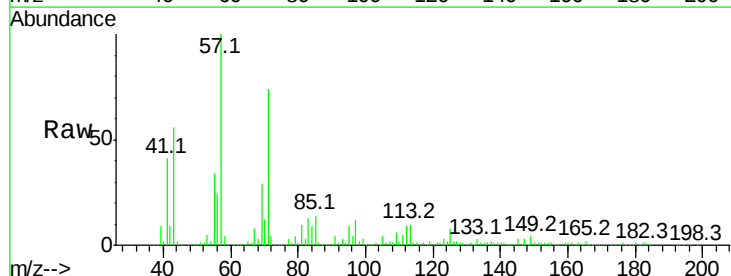
Instrument :
BNA_F
ClientSampled :
HY-SB412C

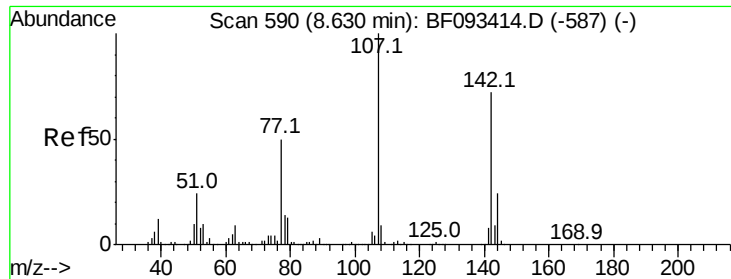
Tot Ion:127 Resp: 38190
Ion Ratio Lower Upper
127 100
129 65.5 26.3 39.5#
65 88.5 25.8 38.8#
92 34.9 16.1 24.1#



#35
Caprolactam
Concen: 94.85 ng
RT: 8.46 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

Tgt Ion:113 Resp: 236399
Ion Ratio Lower Upper
113 100
55 327.9 119.2 159.2#
56 230.0 83.8 123.8#





#36

4-Chloro-3-methylphenol

Concen: 5.61 ng

RT: 8.65 min Scan# 592

Delta R.T. 0.06 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

BNA_F

ClientSampleId :

HY-SB412C

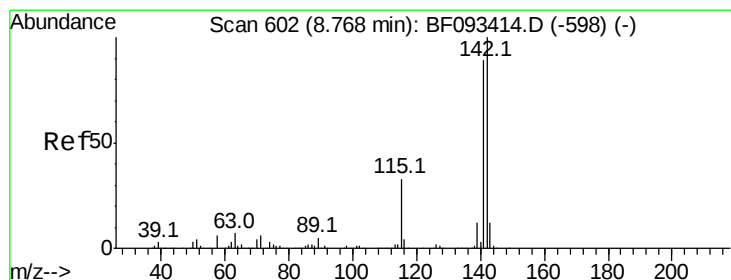
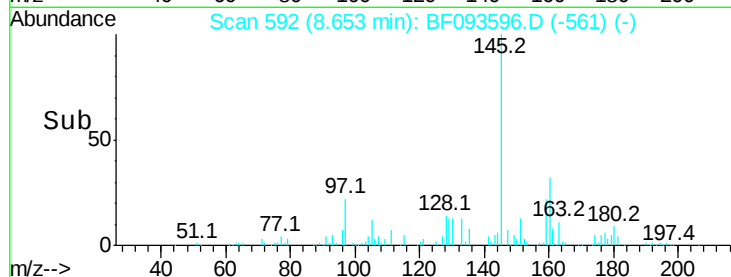
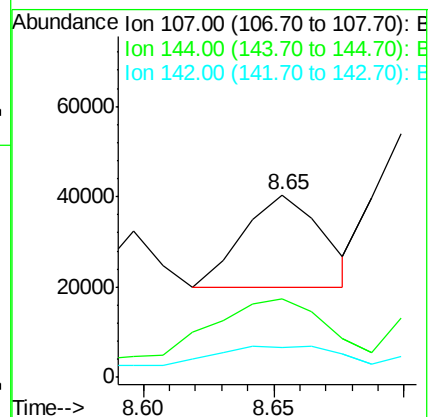
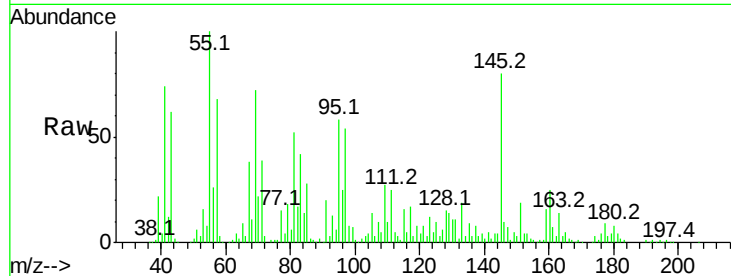
Tot Ion:107 Resp: 43666

Ion Ratio Lower Upper

107 100

144 43.2 19.3 28.9#

142 16.7 59.0 88.6#



#37

2-Methylnaphthalene

Concen: 8.94 ng

RT: 8.73 min Scan# 599

Delta R.T. 0.01 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

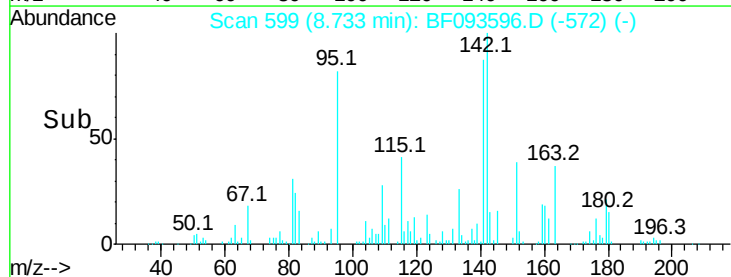
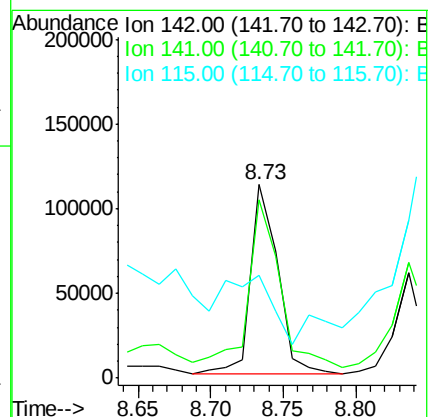
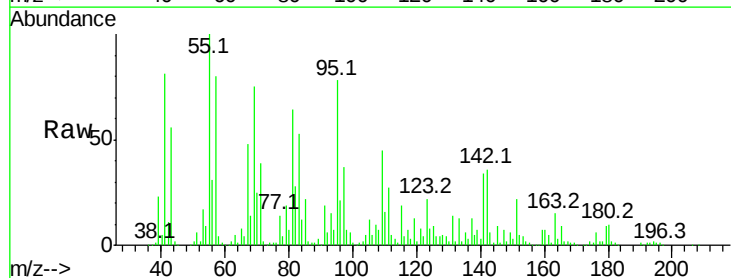
Tgt Ion:142 Resp: 147112

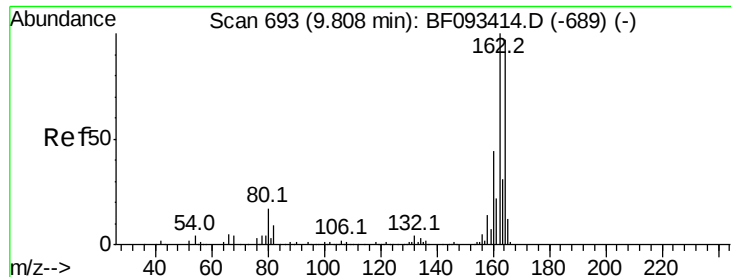
Ion Ratio Lower Upper

142 100

141 92.4 71.0 106.6

115 53.4 28.3 42.5#

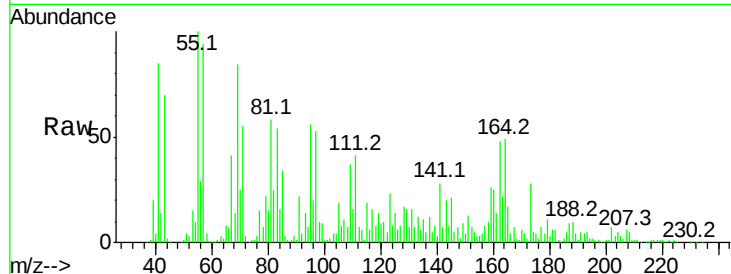




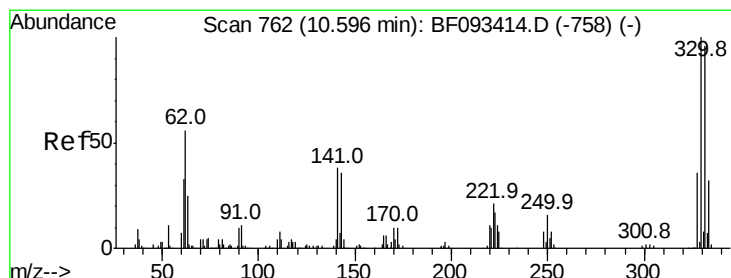
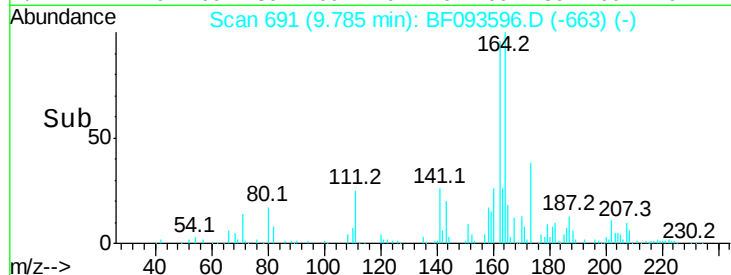
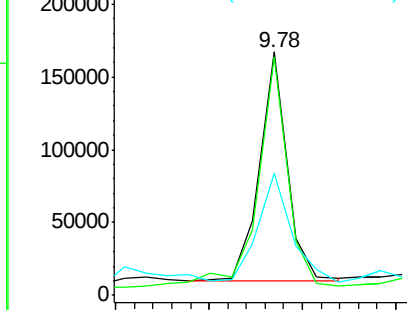
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: BF093596.D
 Acq: 12 Mar 2017 7:38

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB412C

Tot Ion:164 Resp: 160418
 Ion Ratio Lower Upper
 164 100
 162 98.1 80.2 120.2
 160 50.0 36.9 55.3

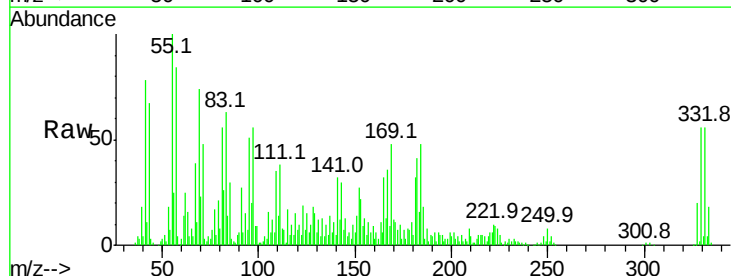


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

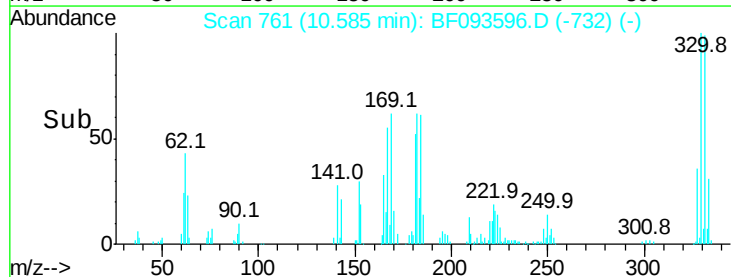
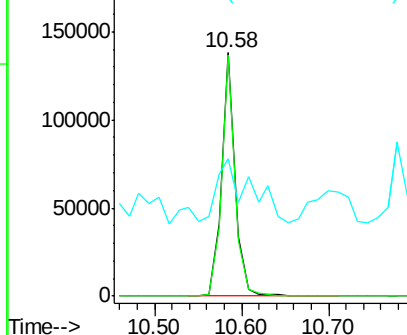


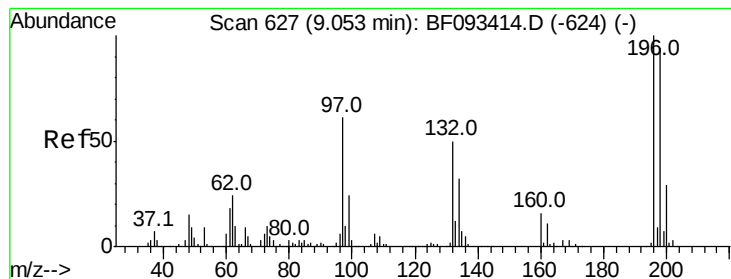
#41
 2,4,6-Tribromophenol
 Concen: 145.21 ng
 RT: 10.58 min Scan# 761
 Delta R.T. 0.03 min
 Lab File: BF093596.D
 Acq: 12 Mar 2017 7:38

Tgt Ion:330 Resp: 151769
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.4 116.2
 141 63.0 34.1 51.1#



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





#42

2,4,6-Trichlorophenol

Concen: 8.33 ng

RT: 9.02 min Scan# 624

Delta R.T. 0.00 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

BNA_F

ClientSampleId :

HY-SB412C

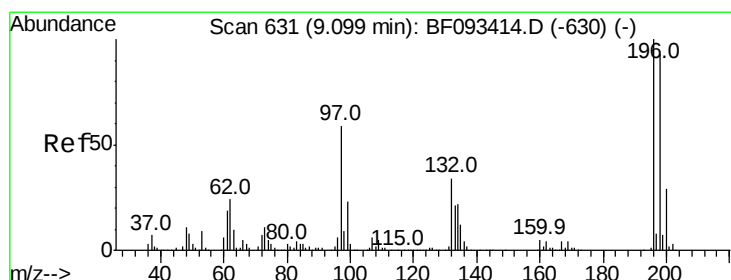
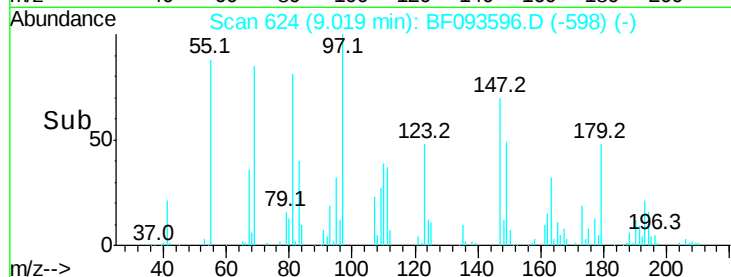
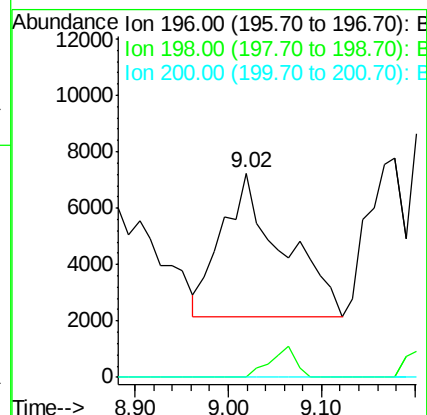
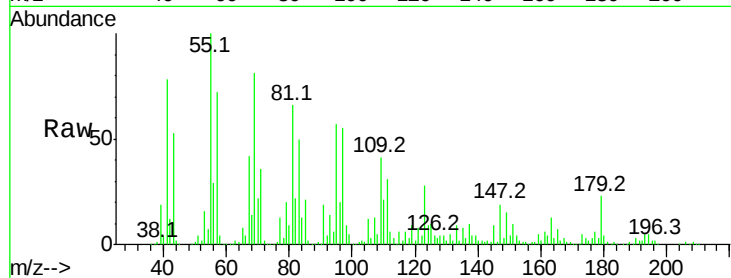
Tot Ion:196 Resp: 22809

Ion Ratio Lower Upper

196 100

198 0.0 82.1 123.1#

200 0.0 27.0 40.4#



#43

2,4,5-Trichlorophenol

Concen: 7.77 ng

RT: 9.02 min Scan# 624

Delta R.T. -0.05 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Tgt Ion:196 Resp: 22809

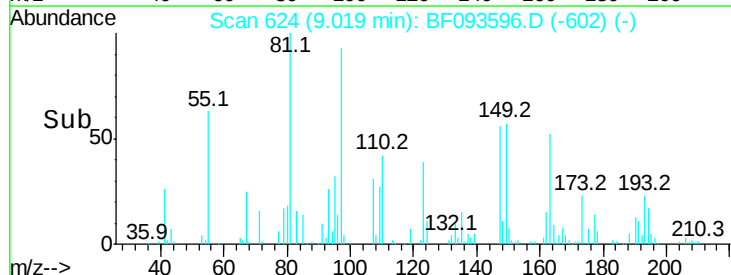
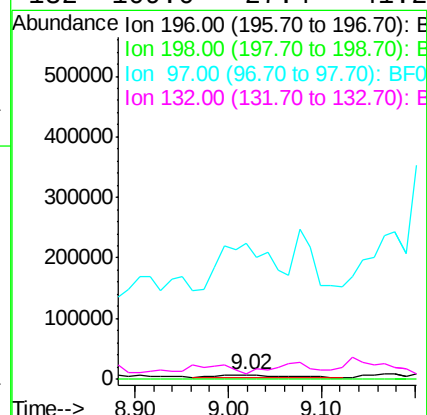
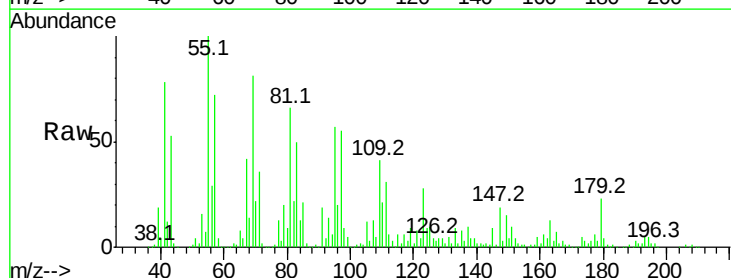
Ion Ratio Lower Upper

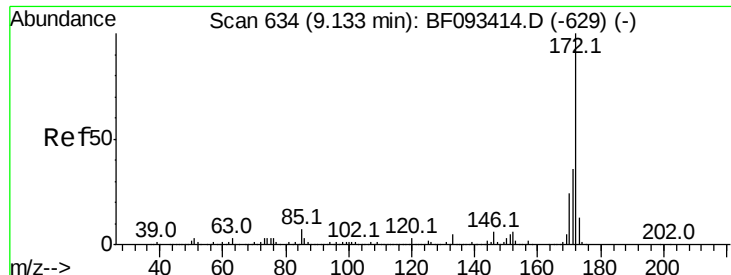
196 100

198 0.0 79.4 119.2#

97 3106.2 51.5 77.3#

132 109.0 27.4 41.2#





#44

2-Fluorobiphenyl

Concen: 130.10 ng

RT: 9.10 min Scan# 631

Delta R.T. 0.01 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

BNA_F

ClientSampled :

HY-SB412C

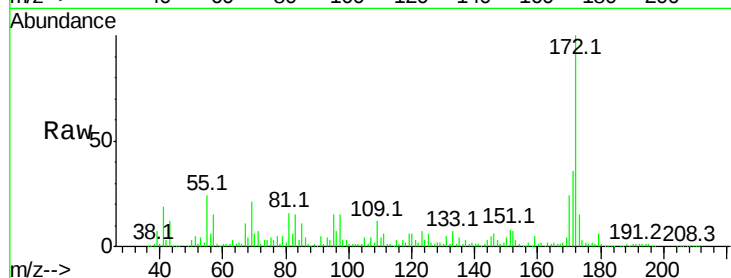
Tot Ion:172 Resp: 1122036

Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

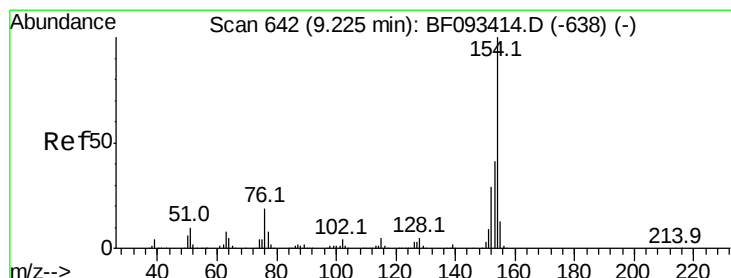
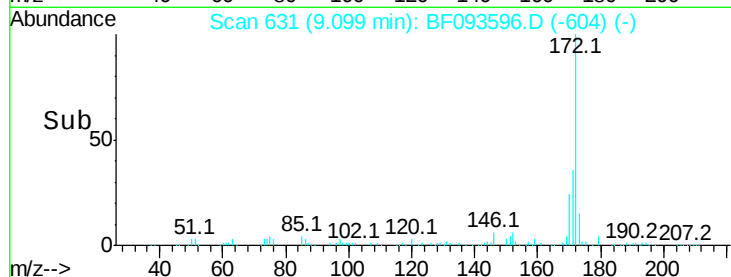
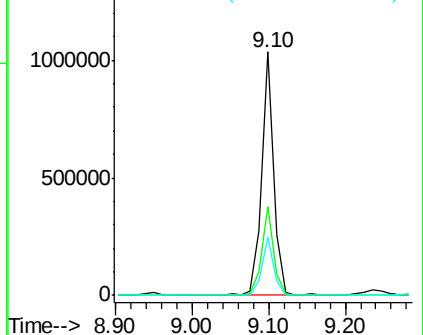
170 23.7 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 2.83 ng

RT: 9.20 min Scan# 640

Delta R.T. 0.01 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

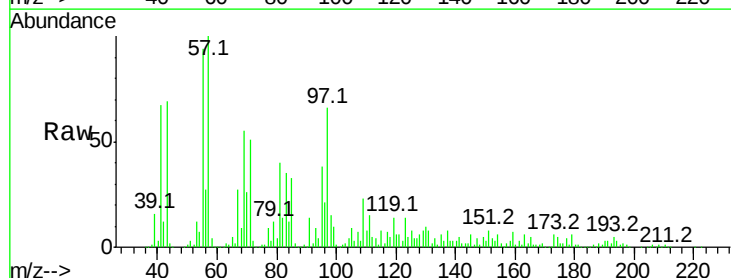
Tgt Ion:154 Resp: 33070

Ion Ratio Lower Upper

154 100

153 51.3 20.9 60.9

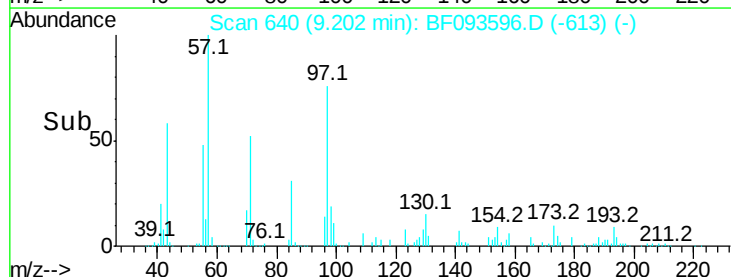
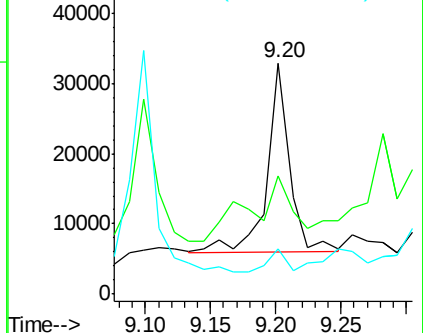
76 19.5 0.0 30.5

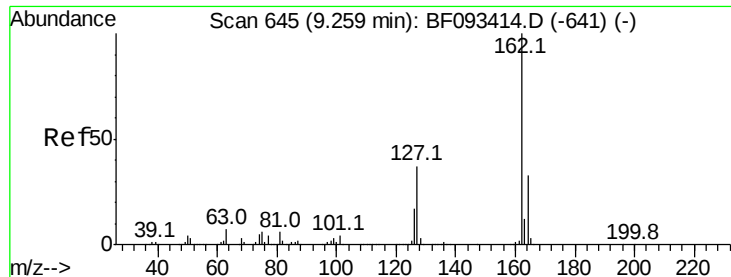


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

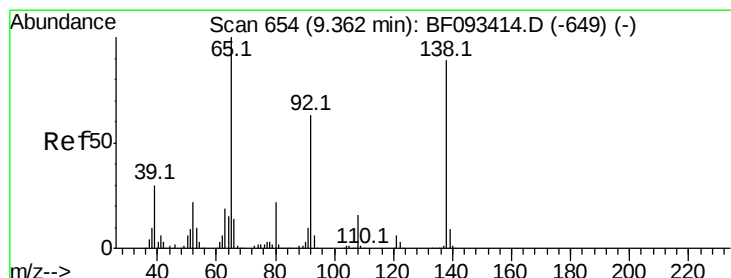
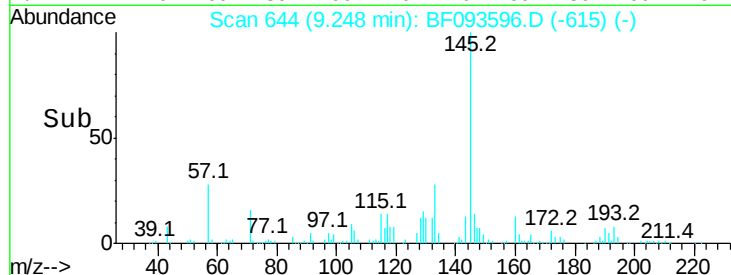
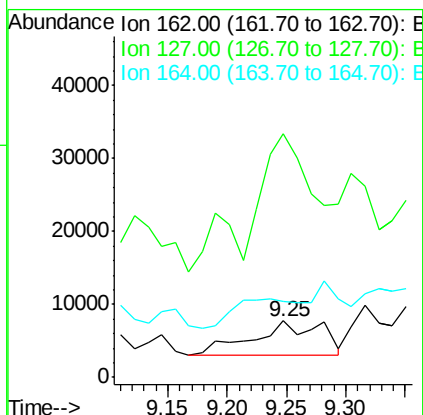
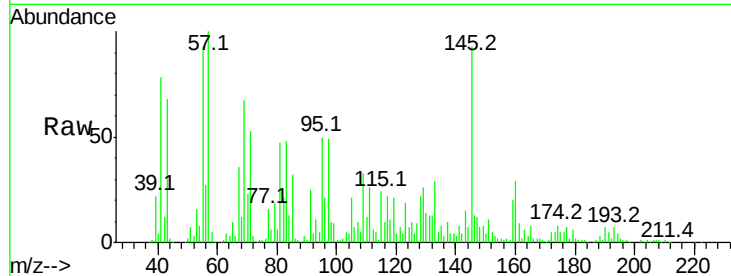




#46
2-Chloronaphthalene
Concen: 2.06 ng
RT: 9.25 min Scan# 644
Delta R.T. 0.03 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

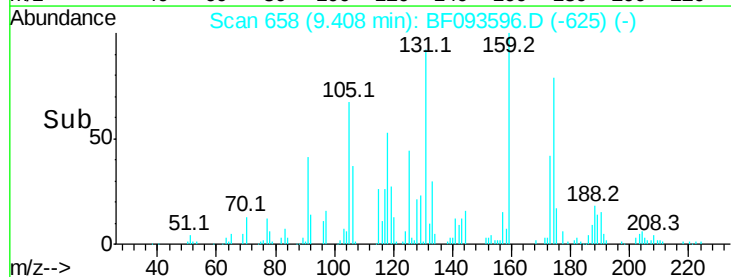
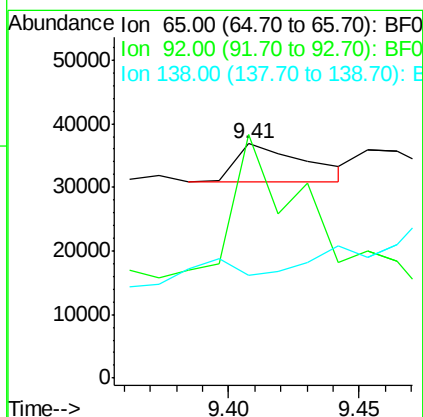
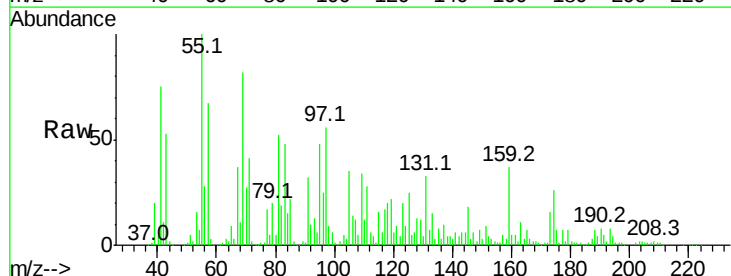
Instrument :
BNA_F
ClientSampleId :
HY-SB412C

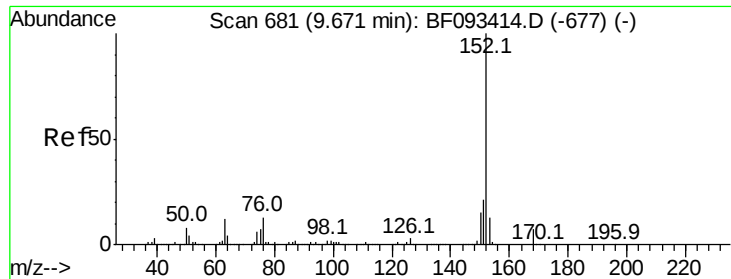
Tot Ion:162 Resp: 18401
Ion Ratio Lower Upper
162 100
127 432.6 30.7 46.1#
164 134.9 27.6 41.4#



#47
2-Nitroaniline
Concen: 3.56 ng
RT: 9.41 min Scan# 658
Delta R.T. 0.08 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

Tgt Ion: 65 Resp: 11242
Ion Ratio Lower Upper
65 100
92 103.9 53.9 80.9#
138 43.7 76.8 115.2#





#48

Acenaphthylene

Concen: 5.99 ng

RT: 9.65 min Scan# 679

Delta R.T. 0.02 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

BNA_F

ClientSampled :

HY-SB412C

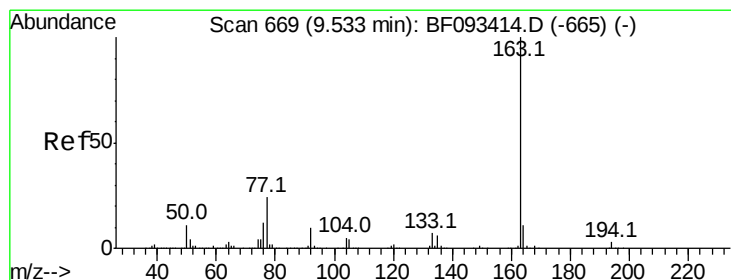
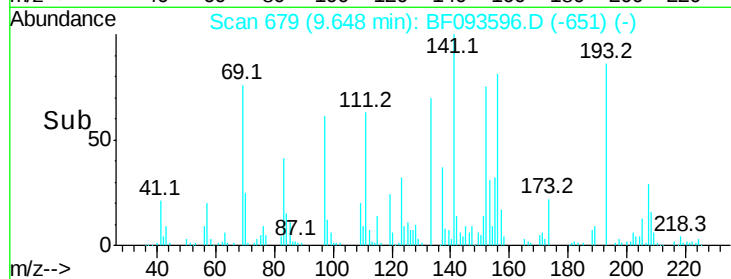
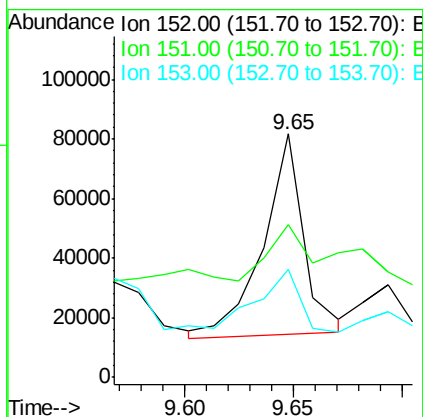
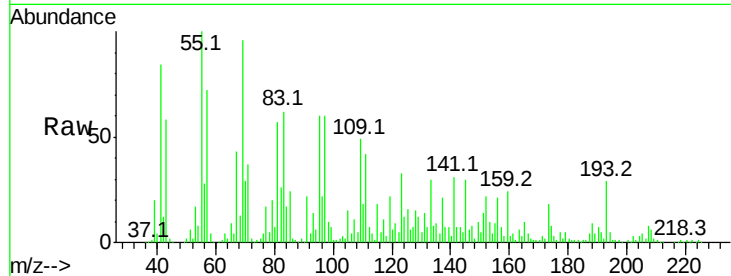
Tot Ion:152 Resp: 88324

Ion Ratio Lower Upper

152 100

151 62.8 16.9 25.3#

153 44.5 11.4 17.2#



#49

Dimethylphthalate

Concen: 14.20 ng

RT: 9.50 min Scan# 666

Delta R.T. -0.00 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

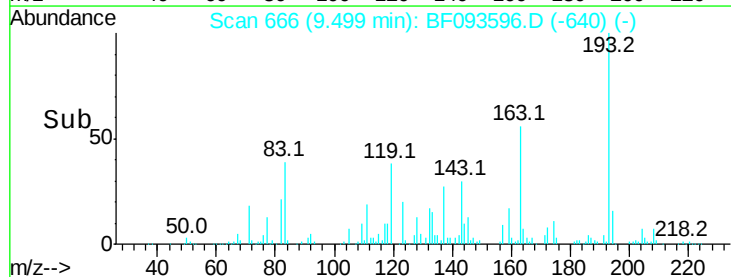
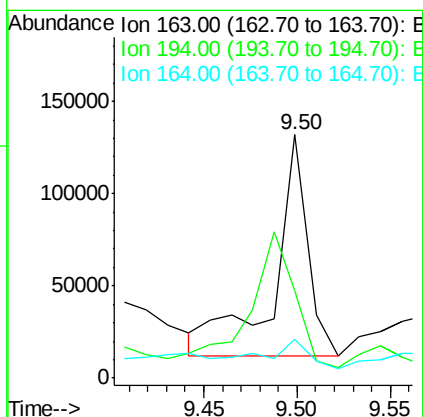
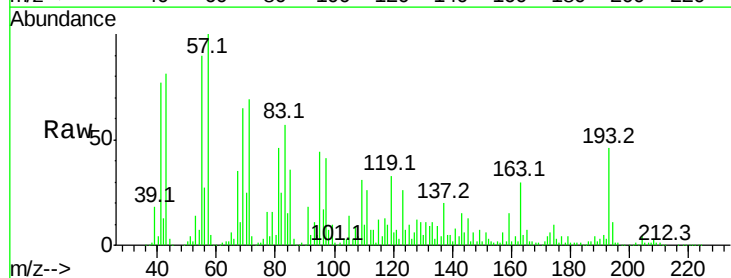
Tgt Ion:163 Resp: 151034

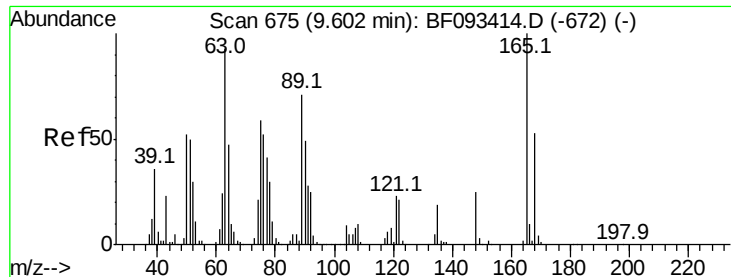
Ion Ratio Lower Upper

163 100

194 35.8 3.0 4.4#

164 16.1 8.0 12.0#





#50

2,6-Dinitrotoluene

Concen: 35.90 ng

RT: 9.56 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

BNA_F

ClientSampleId :

HY-SB412C

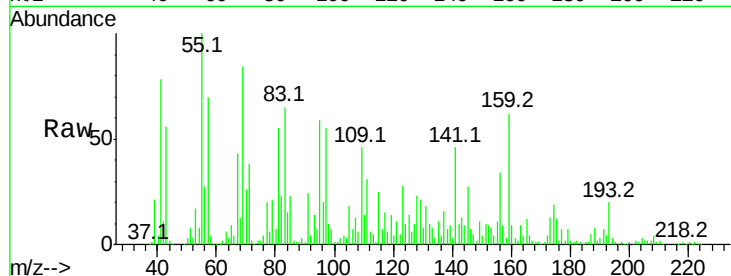
Tot Ion:165 Resp: 83783

Ion Ratio Lower Upper

165 100

63 46.5 36.2 54.4

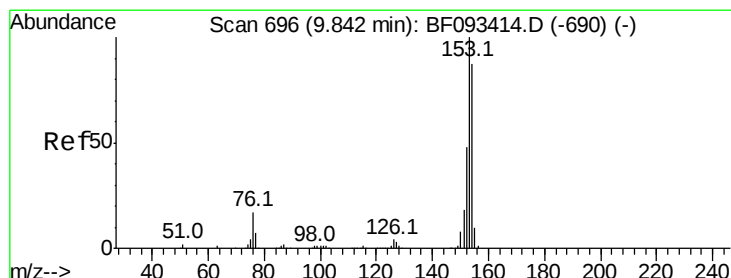
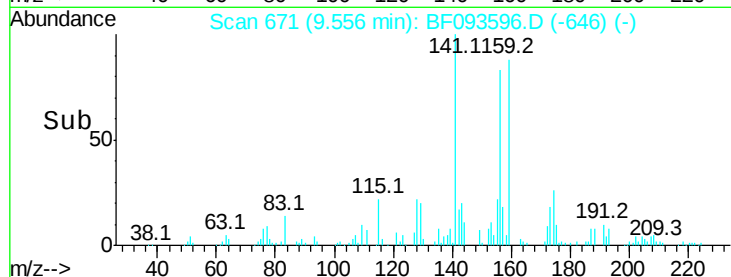
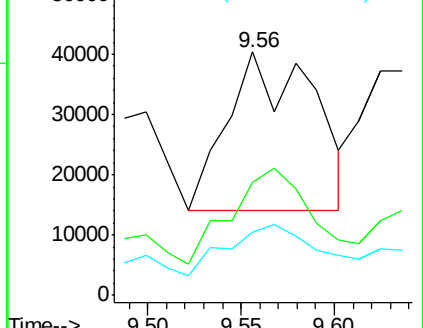
89 26.2 40.2 60.4#



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: 16.13 ng

RT: 9.82 min Scan# 694

Delta R.T. 0.02 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

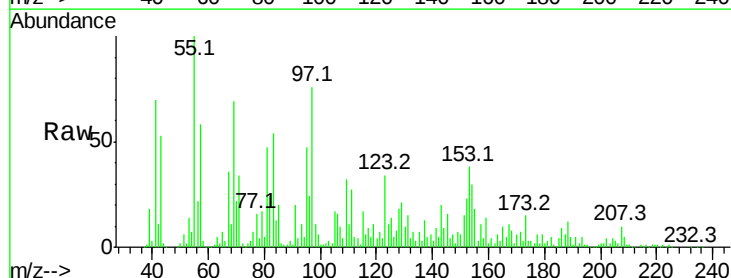
Tgt Ion:154 Resp: 140738

Ion Ratio Lower Upper

154 100

153 125.5 88.6 133.0

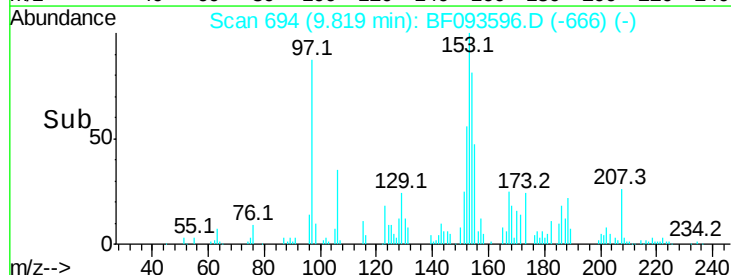
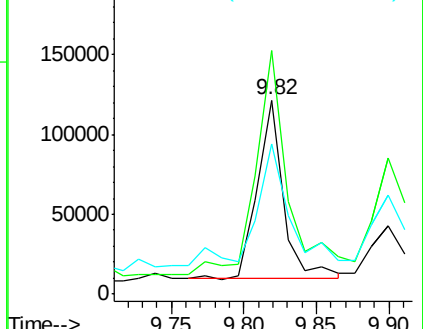
152 77.1 41.6 62.4#

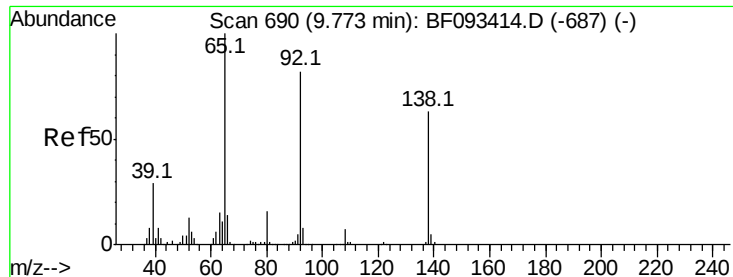


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 20.62 ng

RT: 9.73 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

BNA_F

ClientSampleId :

HY-SB412C

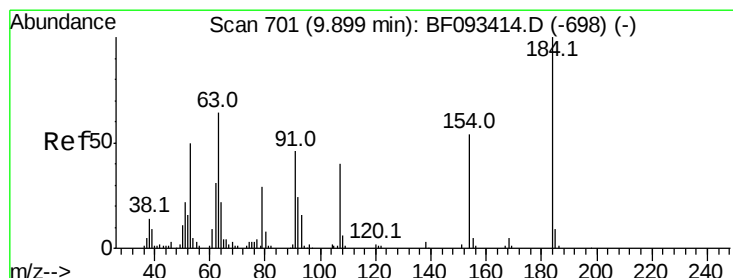
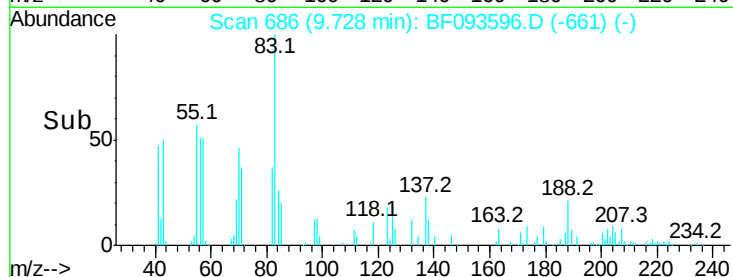
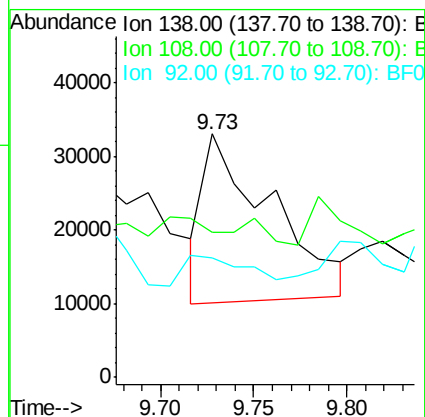
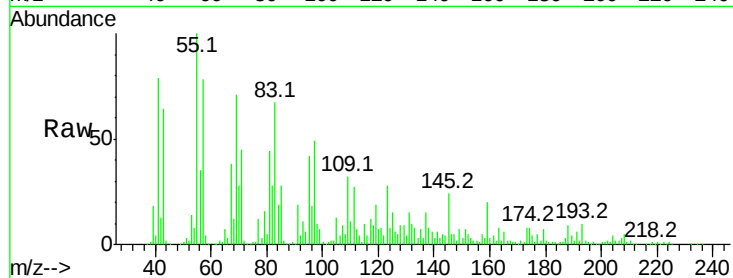
Tot Ion:138 Resp: 57814

Ion Ratio Lower Upper

138 100

108 59.6 8.5 12.7#

92 49.0 97.8 146.8#



#53

2,4-Dinitrophenol

Concen: 3.73 ng

RT: 9.86 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

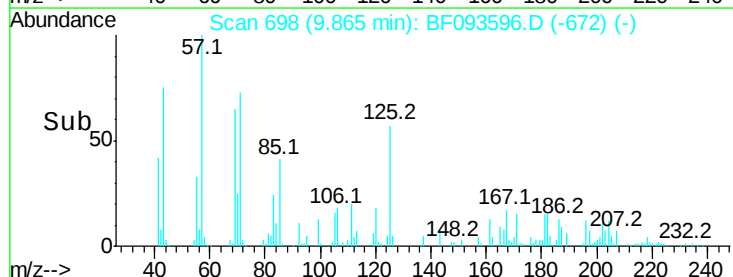
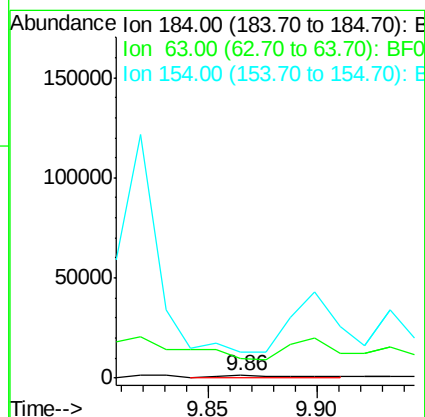
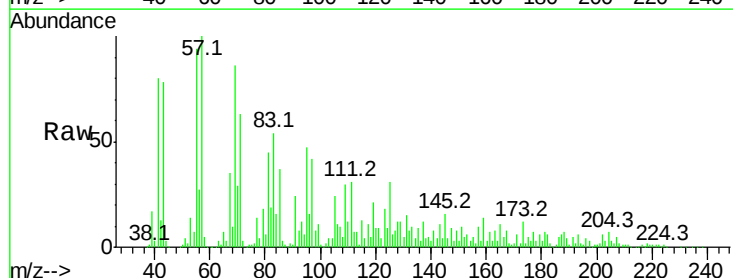
Tgt Ion:184 Resp: 3967

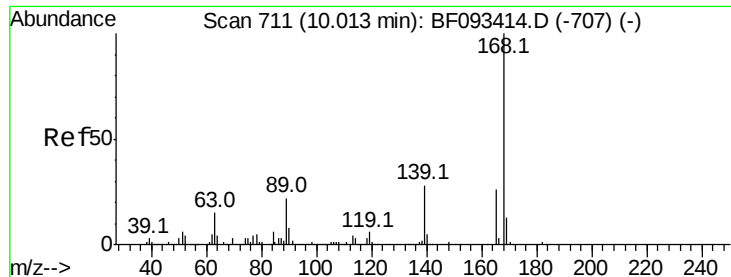
Ion Ratio Lower Upper

184 100

63 809.9 28.4 42.6#

154 1066.6 44.3 66.5#

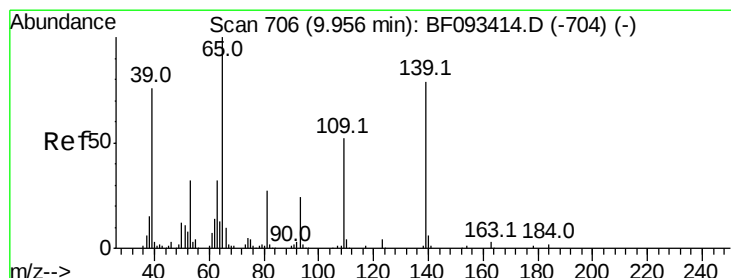
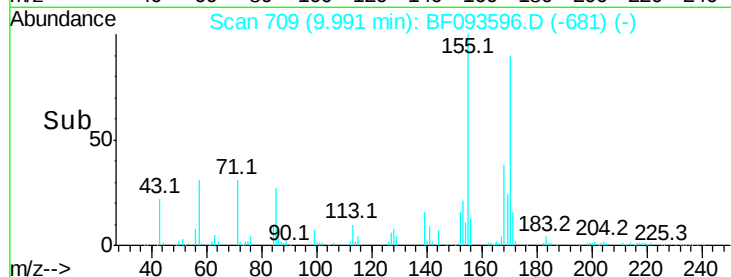
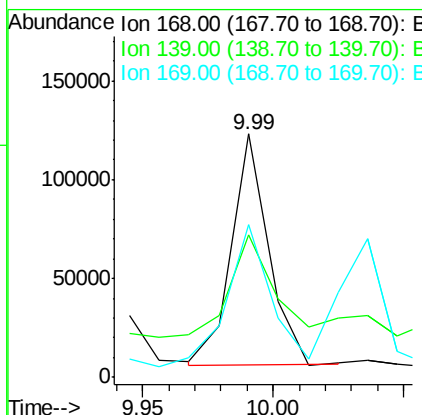
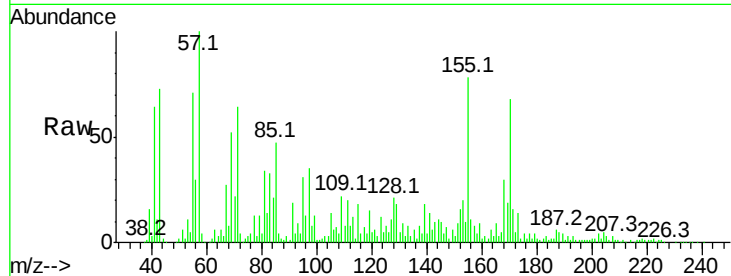




#54
Dibenzofuran
Concen: 10.67 ng
RT: 9.99 min Scan# 709
Delta R.T. 0.02 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

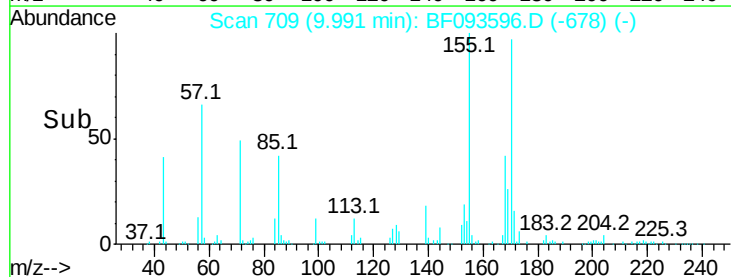
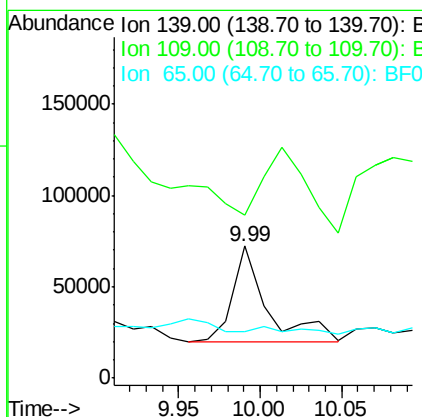
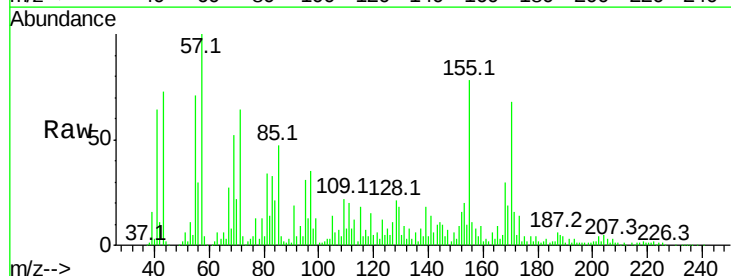
Instrument :
BNA_F
ClientSampleId :
HY-SB412C

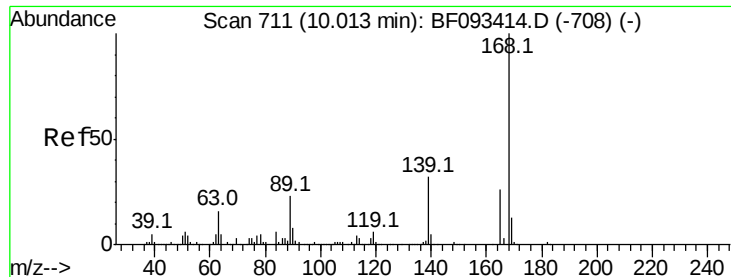
Tot Ion:168 Resp: 116547
Ion Ratio Lower Upper
168 100
139 58.7 32.6 49.0#
169 62.7 11.3 16.9#



#55
4-Nitrophenol
Concen: 56.02 ng
RT: 9.99 min Scan# 709
Delta R.T. 0.06 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

Tgt Ion:139 Resp: 76283
Ion Ratio Lower Upper
139 100
109 123.2 52.2 92.2#
65 34.8 85.8 125.8#

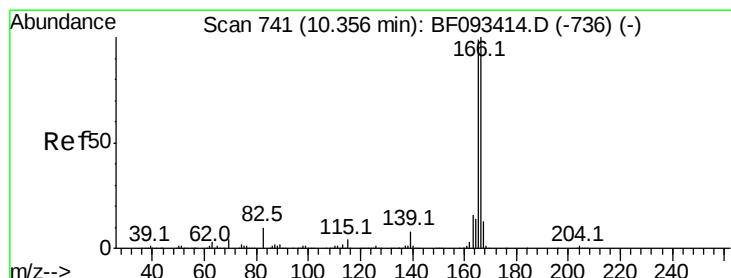
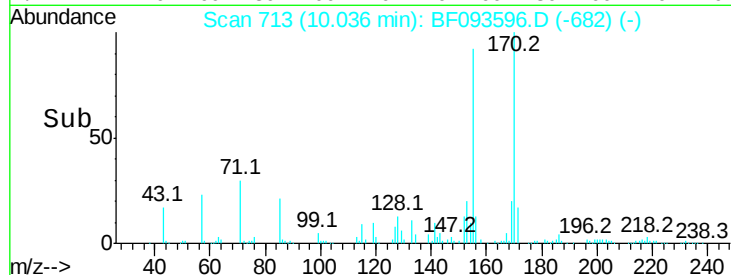
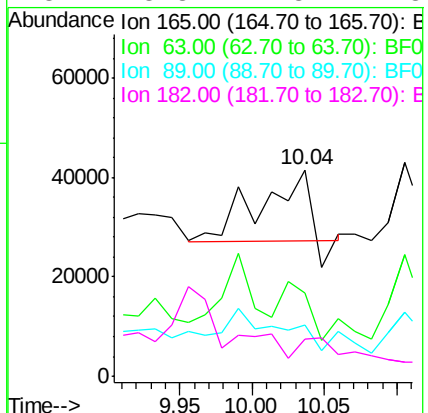
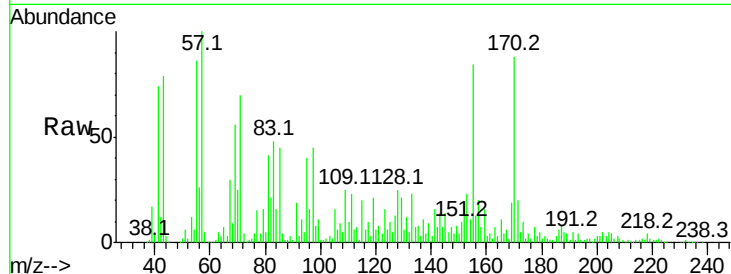




#56
2,4-Dinitrotoluene
Concen: 10.86 ng
RT: 10.04 min Scan# 713
Delta R.T. 0.06 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

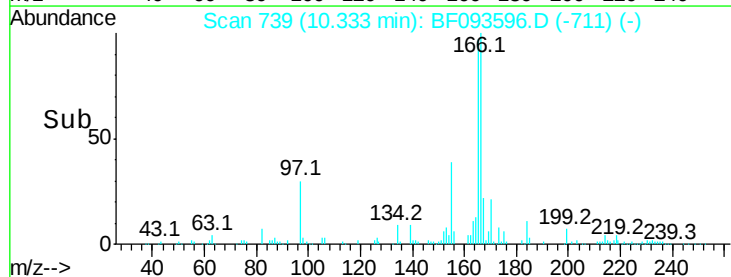
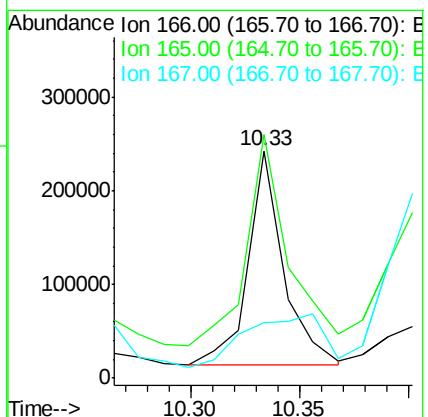
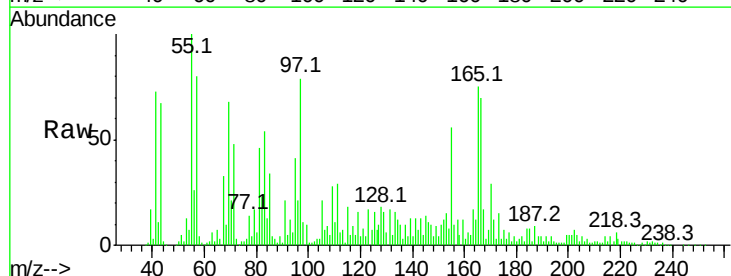
Instrument :
BNA_F
ClientSampleId :
HY-SB412C

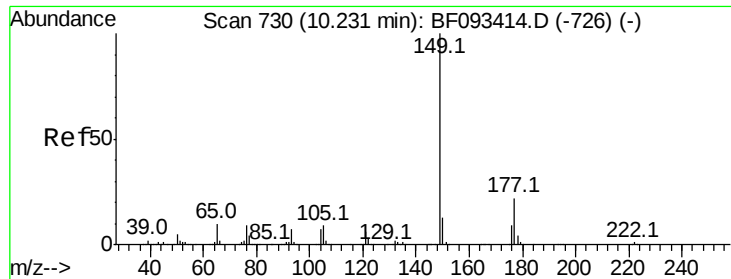
Tot Ion:165 Resp: 31140
Ion Ratio Lower Upper
165 100
63 40.5 40.2 60.4
89 24.9 62.5 93.7#
182 18.3 1.8 2.8#



#57
Fluorene
Concen: 28.09 ng
RT: 10.33 min Scan# 739
Delta R.T. 0.02 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

Tgt Ion:166 Resp: 259877
Ion Ratio Lower Upper
166 100
165 107.0 77.8 116.8
167 24.4 10.8 16.2#

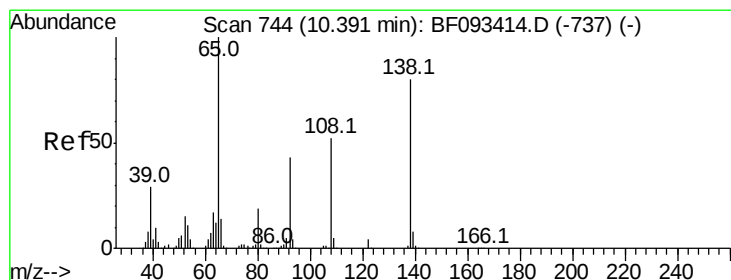
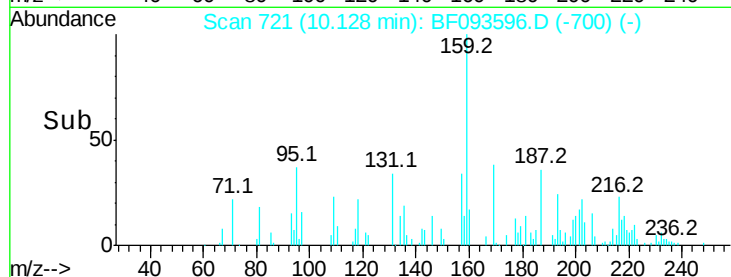
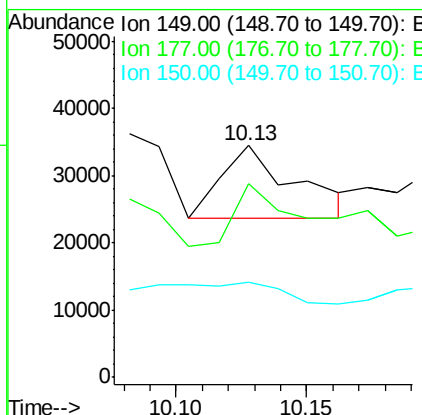
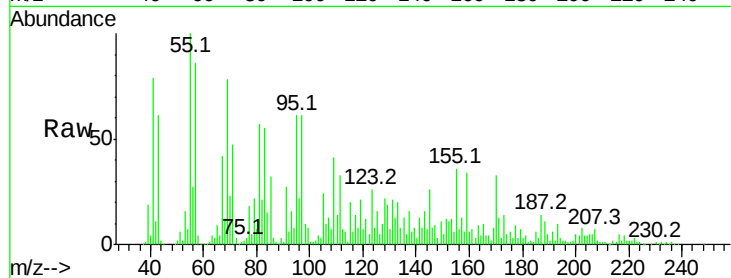




#59
Diethylphthalate
Concen: 2.10 ng
RT: 10.13 min Scan# 721
Delta R.T. -0.06 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

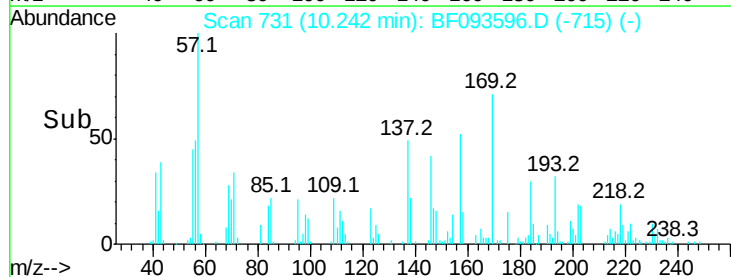
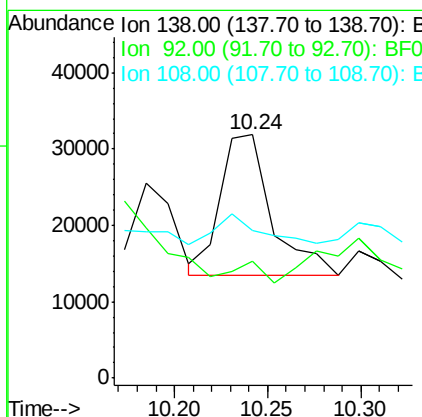
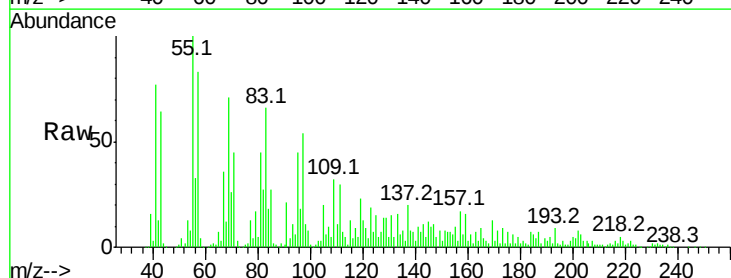
Instrument :
BNA_F
ClientSampleId :
HY-SB412C

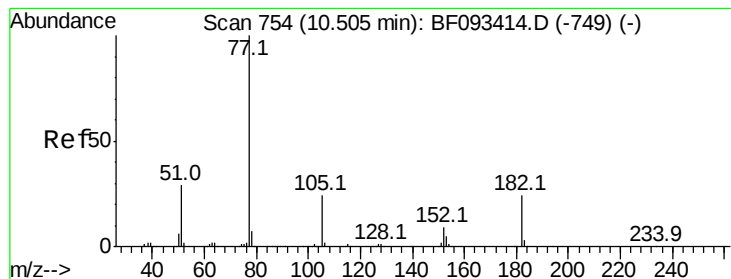
Tot Ion:149 Resp: 21381
Ion Ratio Lower Upper
149 100
177 83.5 16.6 25.0#
150 40.9 10.4 15.6#



#61
4-Nitroaniline
Concen: 12.33 ng
RT: 10.24 min Scan# 731
Delta R.T. -0.11 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

Tgt Ion:138 Resp: 35350
Ion Ratio Lower Upper
138 100
92 48.2 31.7 71.7
108 60.9 52.6 92.6





#62

Azobenzene

Concen: 7.05 ng

RT: 10.48 min Scan# 752

Delta R.T. 0.02 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

BNA_F

ClientSampleId :

HY-SB412C

Tot Ion: 77 Resp: 81438

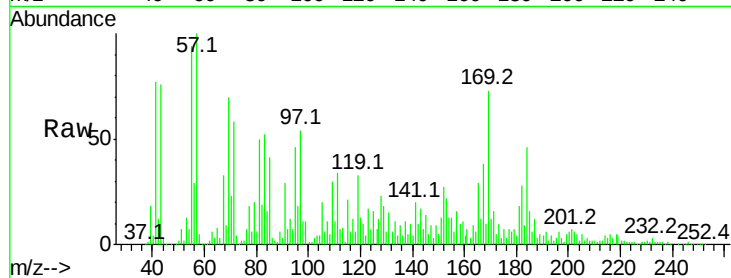
Ion Ratio Lower Upper

77 100

182 153.1 0.0 39.3#

105 111.0 2.3 42.3#

51 36.9 8.9 48.9

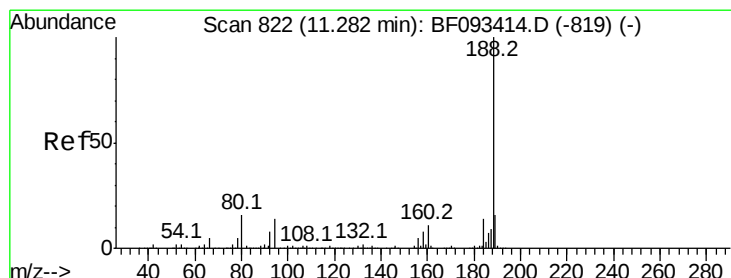
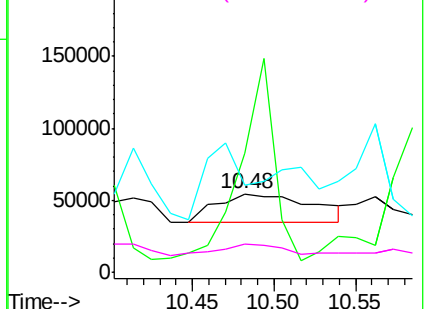
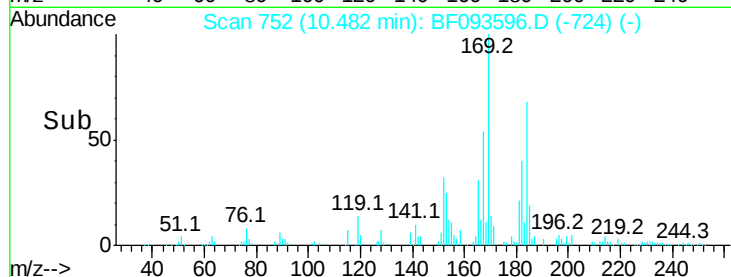


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.27 min Scan# 821

Delta R.T. 0.02 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

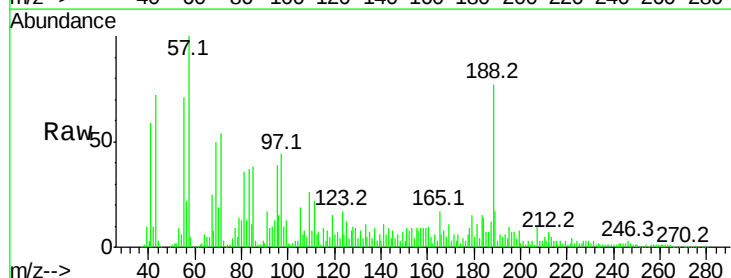
Tgt Ion: 188 Resp: 276597

Ion Ratio Lower Upper

188 100

94 16.4 10.0 15.0#

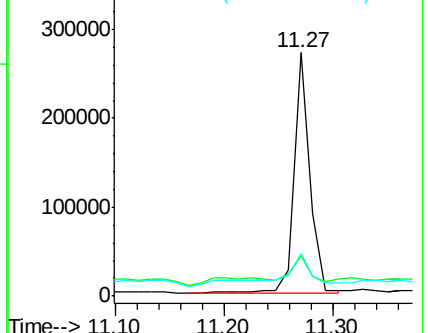
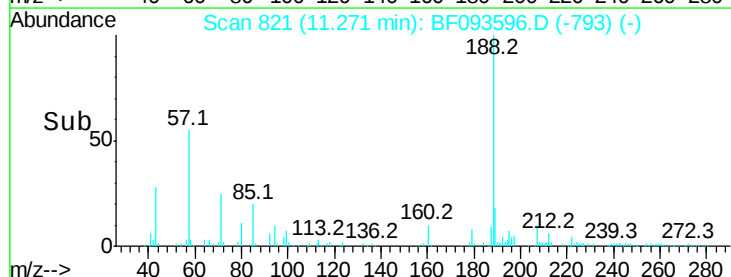
80 17.3 11.2 16.8#

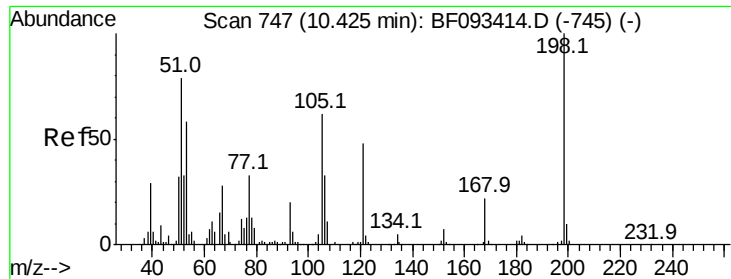


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 3.43 ng

RT: 10.40 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

BNA_F

ClientSampleId :

HY-SB412C

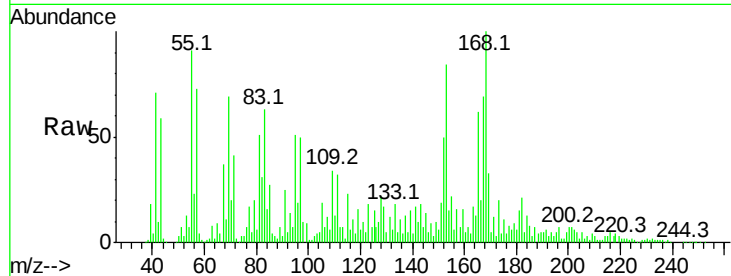
Tot Ion:198 Resp: 6148

Ion Ratio Lower Upper

198 100

51 352.4 6.7 46.7#

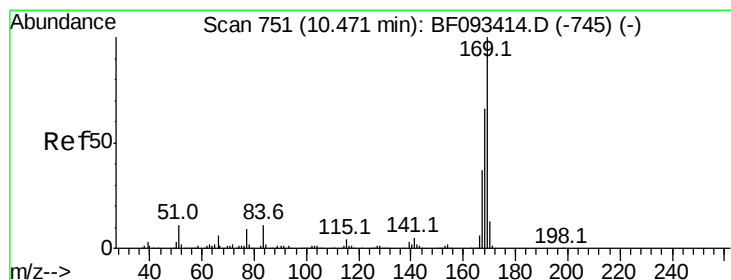
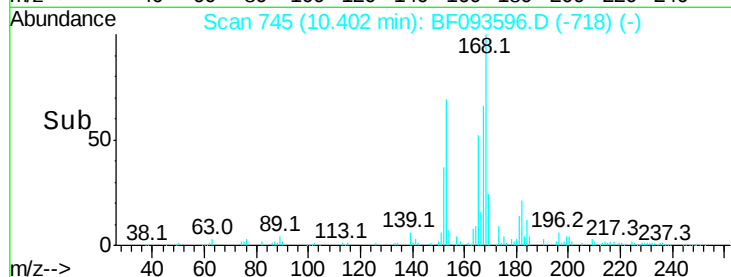
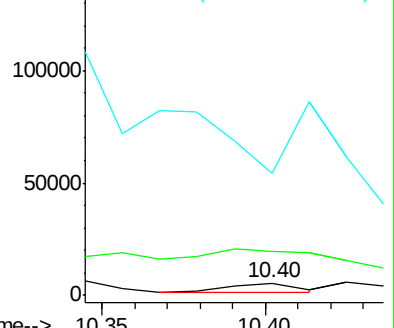
105 995.8 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 45.37 ng

RT: 10.42 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

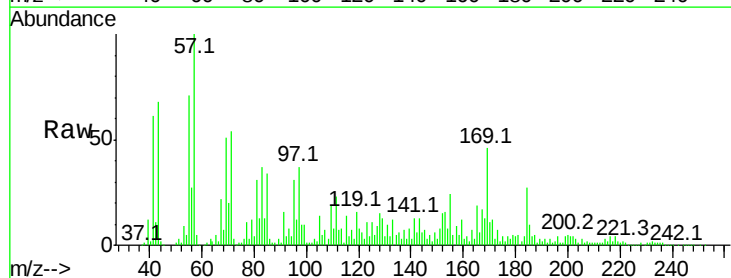
Tgt Ion:169 Resp: 419074

Ion Ratio Lower Upper

169 100

168 28.8 54.2 81.2#

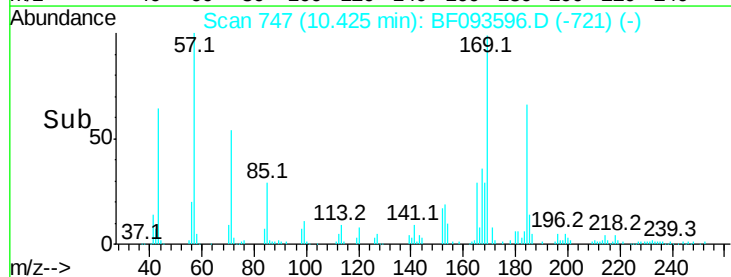
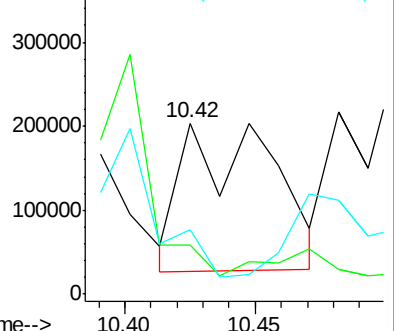
167 37.4 30.2 45.4

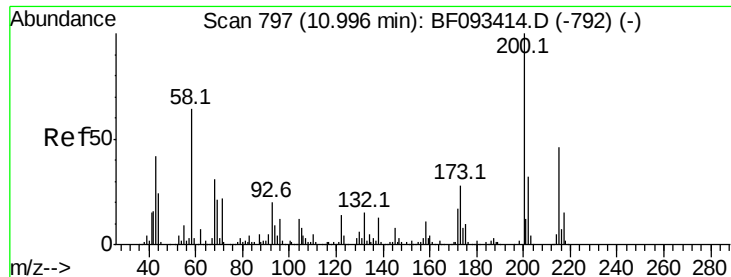


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

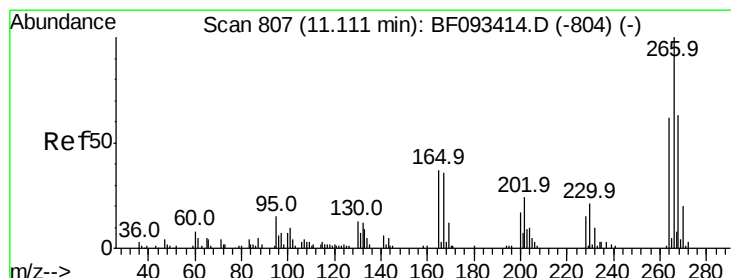
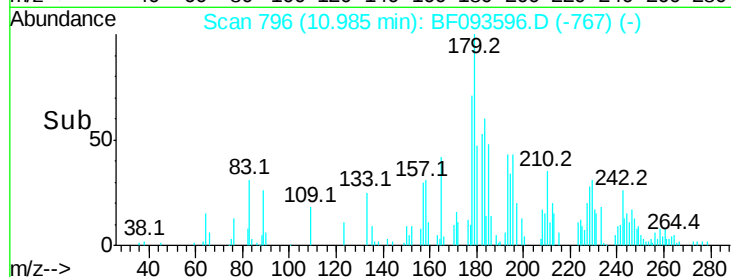
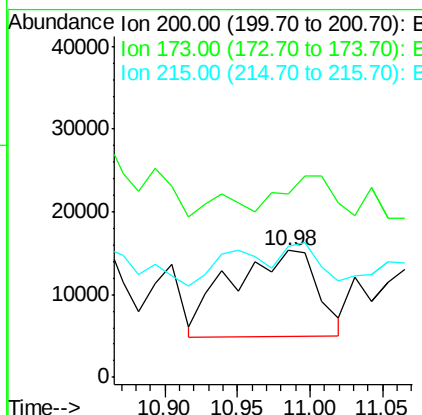
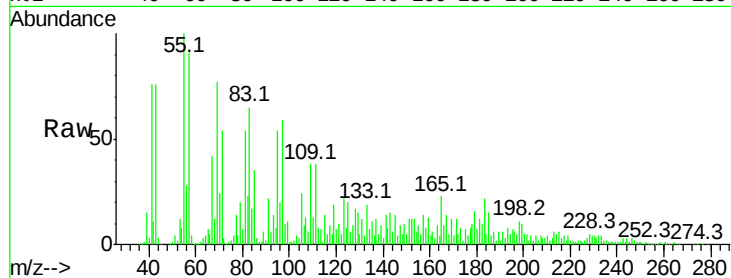




#68
Atrazine
Concen: 15.82 ng
RT: 10.98 min Scan# 796
Delta R.T. 0.03 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

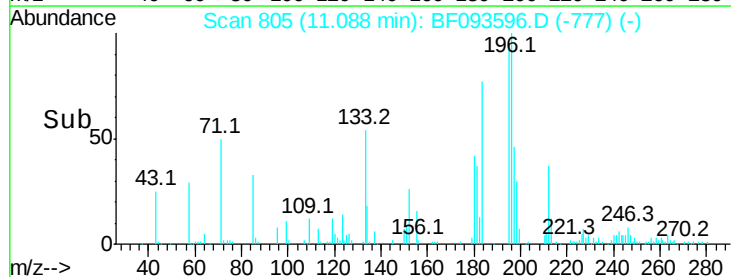
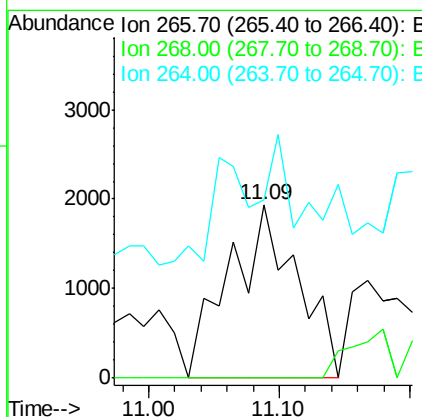
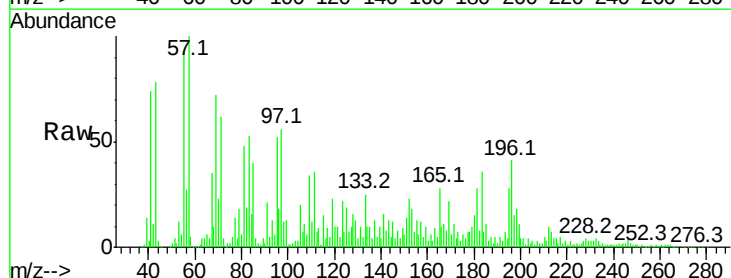
Instrument :
BNA_F
ClientSampleId :
HY-SB412C

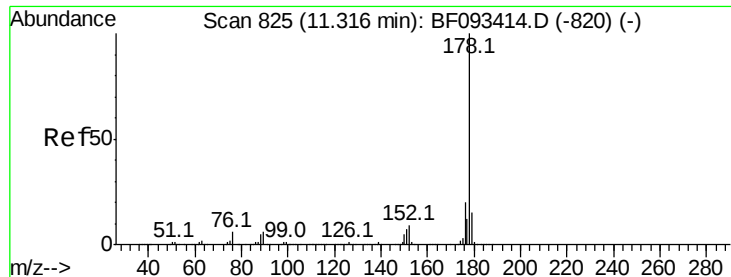
Tot Ion:200 Resp: 42752
Ion Ratio Lower Upper
200 100
173 144.5 9.6 49.6#
215 104.0 25.7 65.7#



#69
Pentachlorophenol
Concen: 7.31 ng
RT: 11.09 min Scan# 805
Delta R.T. 0.02 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

Tgt Ion:266 Resp: 7049
Ion Ratio Lower Upper
266 100
268 0.0 53.3 79.9#
264 103.0 50.3 75.5#





#70

Phenanthrene

Concen: 40.11 ng

RT: 11.29 min Scan# 823

Delta R.T. 0.02 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

BNA_F

ClientSampleId :

HY-SB412C

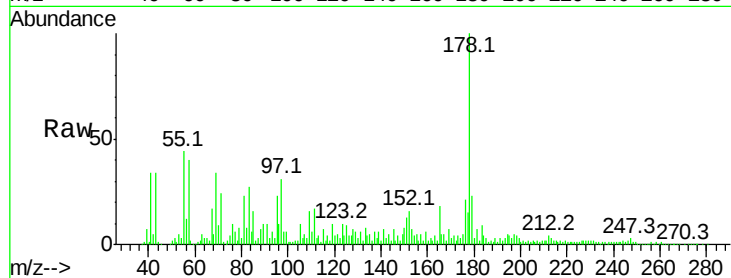
Tot Ion:178 Resp: 633269

Ion Ratio Lower Upper

178 100

176 20.6 16.6 25.0

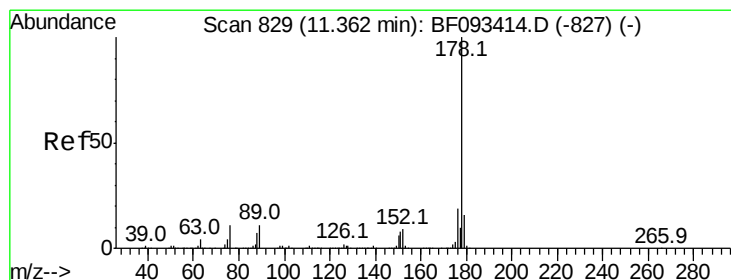
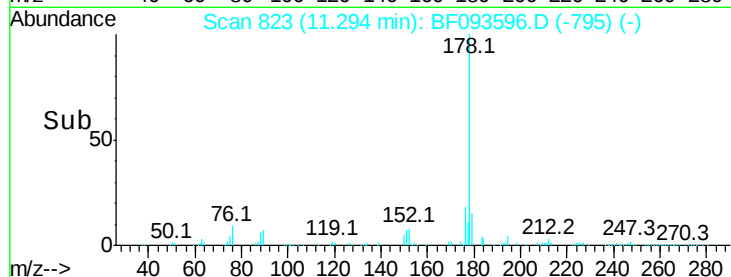
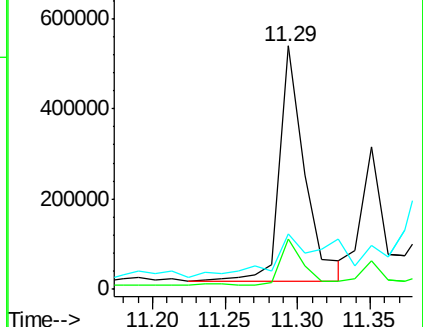
179 22.8 12.8 19.2#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 13.42 ng

RT: 11.35 min Scan# 828

Delta R.T. 0.03 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

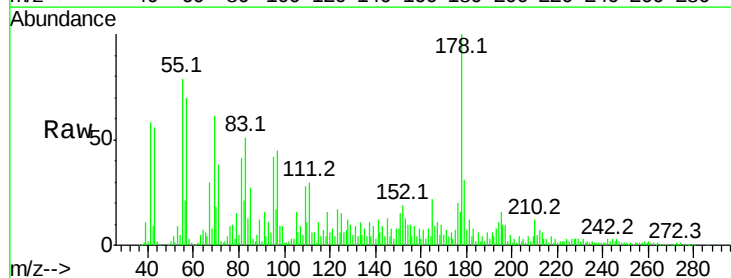
Tgt Ion:178 Resp: 214359

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

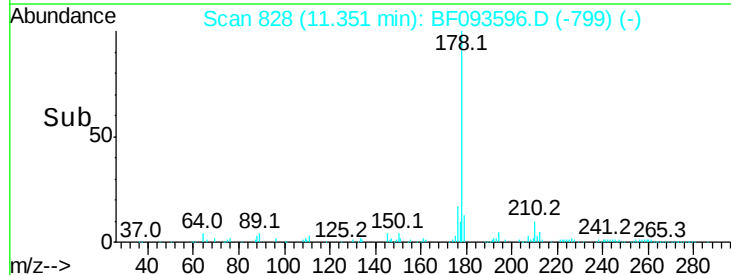
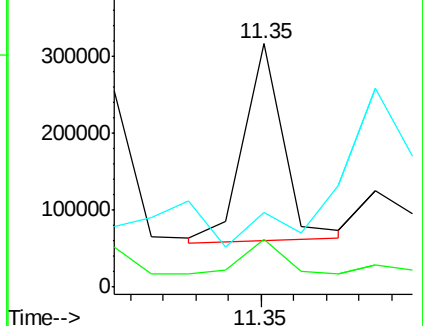
179 30.7 13.2 19.8#

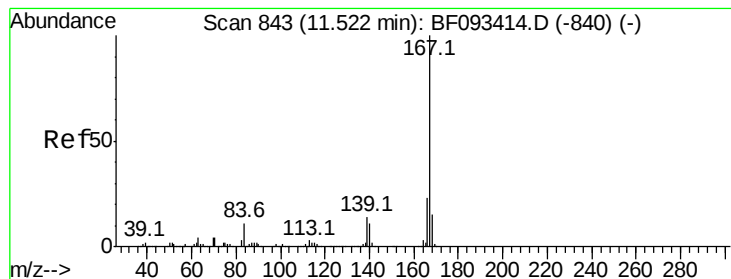


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.72 ng

RT: 11.51 min Scan# 842

Delta R.T. 0.02 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

BNA_F

ClientSampleId :

HY-SB412C

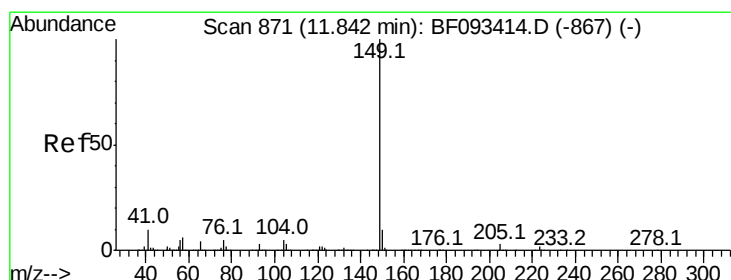
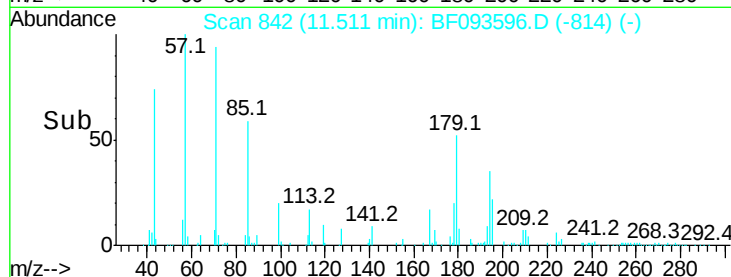
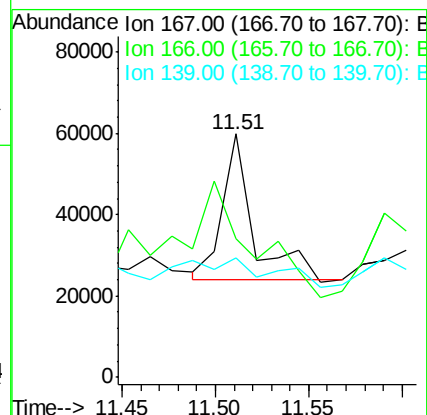
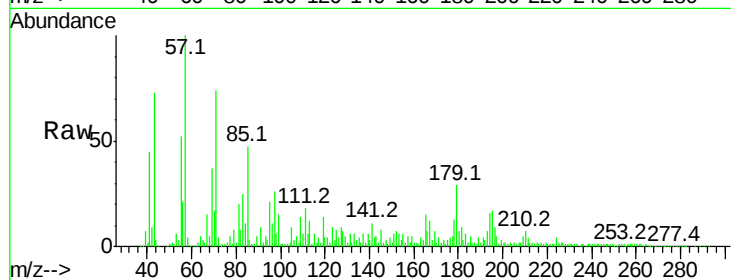
Tot Ion:167 Resp: 40819

Ion Ratio Lower Upper

167 100

166 56.8 18.2 27.2#

139 48.9 11.4 17.2#



#73

Di-n-butylphthalate

Concen: 2.05 ng

RT: 11.80 min Scan# 867

Delta R.T. -0.01 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

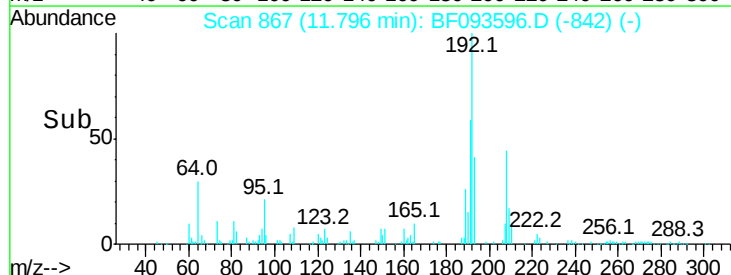
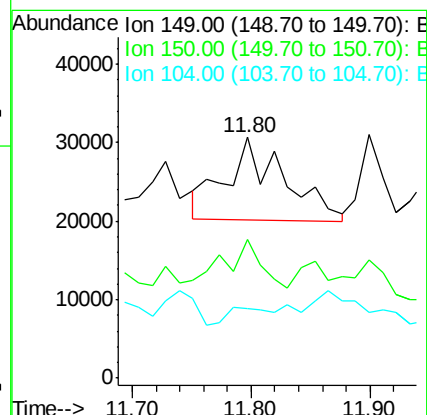
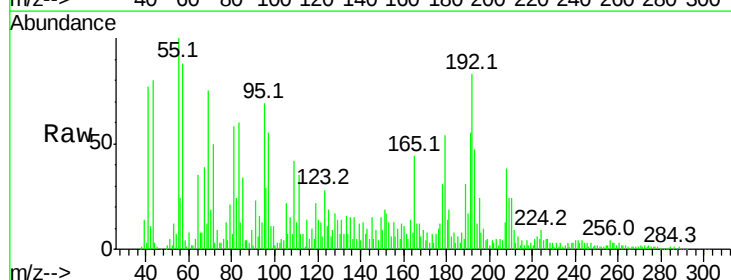
Tgt Ion:149 Resp: 35591

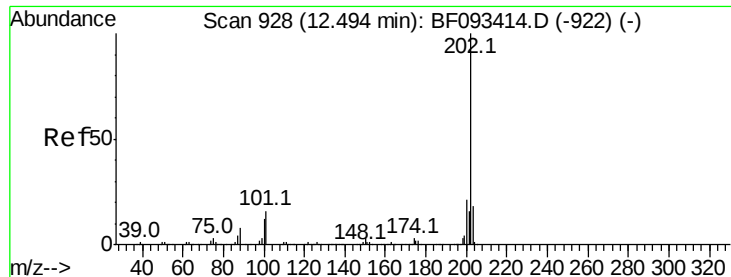
Ion Ratio Lower Upper

149 100

150 57.6 8.1 12.1#

104 29.1 4.6 7.0#





#74

Fluoranthene

Concen: 78.82 ng

RT: 12.48 min Scan# 927

Delta R.T. 0.02 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

BNA_F

ClientSampleId :

HY-SB412C

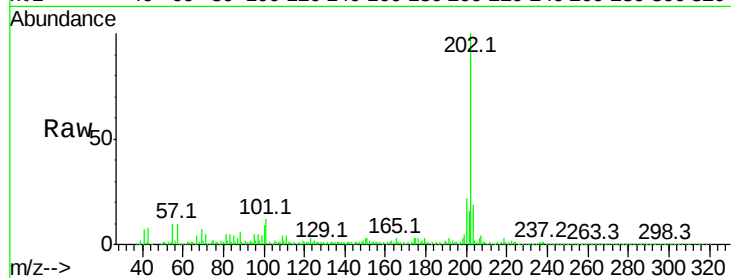
Tot Ion:202 Resp: 1202096

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.6

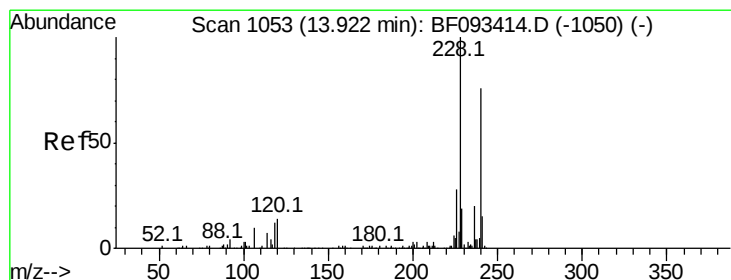
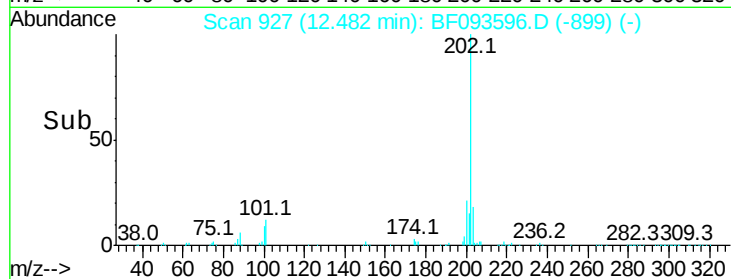
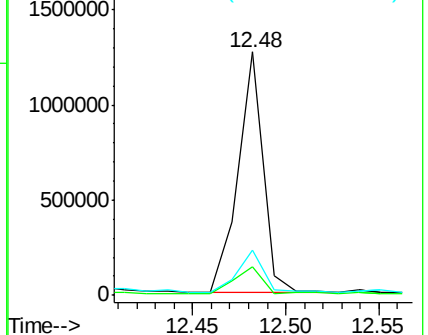
203 18.5 0.0 38.7



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: 13.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

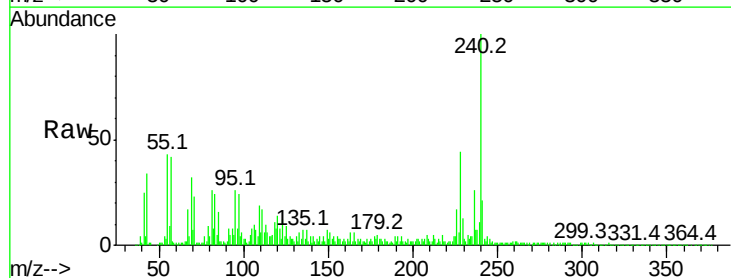
Tgt Ion:240 Resp: 306738

Ion Ratio Lower Upper

240 100

120 13.6 12.9 19.3

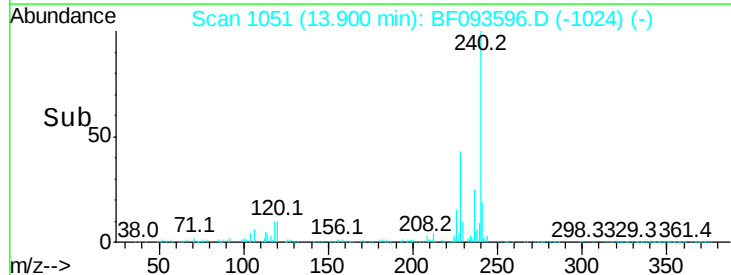
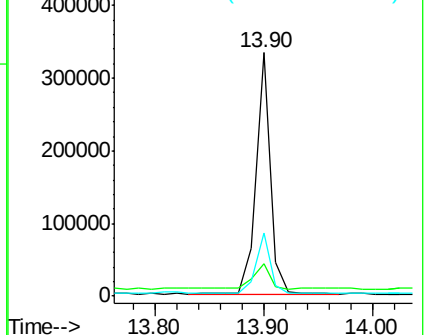
236 26.1 20.9 31.3

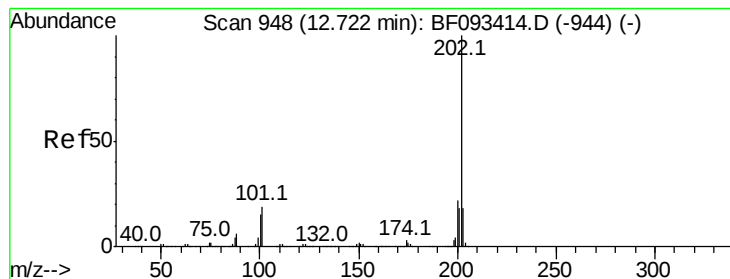


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 62.77 ng

RT: 12.71 min Scan# 947

Delta R.T. 0.03 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

BNA_F

ClientSampleId :

HY-SB412C

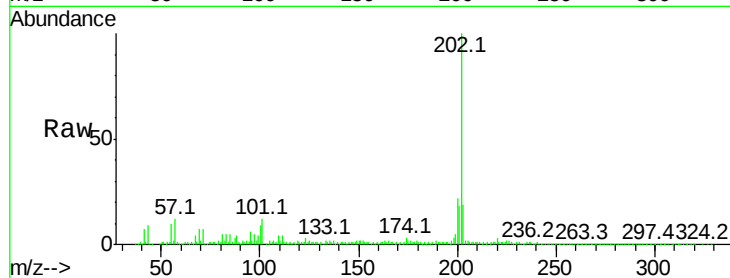
Tot Ion:202 Resp: 1400319

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

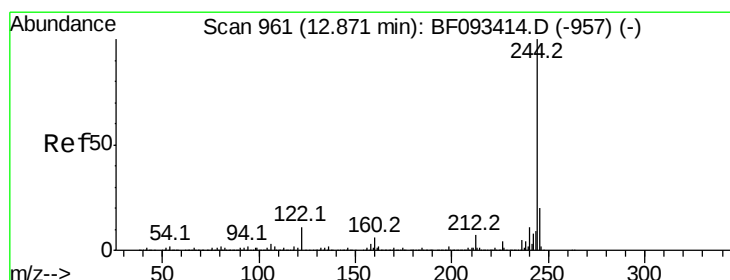
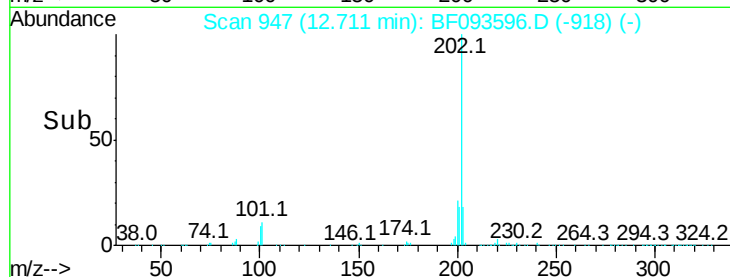
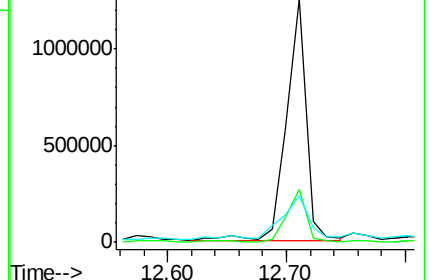
203 19.1 14.7 22.1



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: 71.49 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

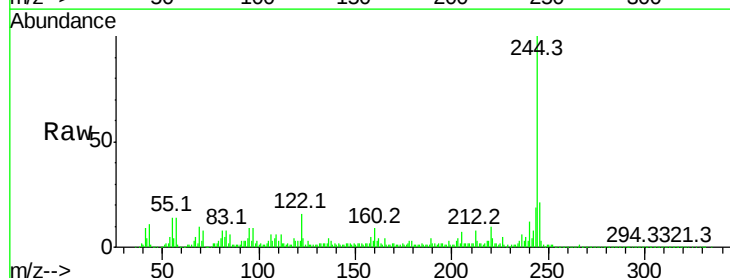
Tgt Ion:244 Resp: 843466

Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.2

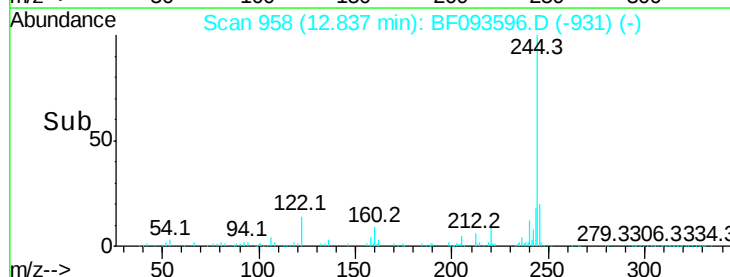
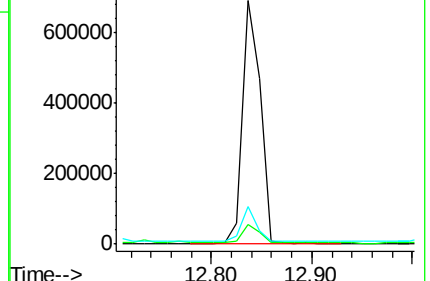
122 15.7 11.4 17.2

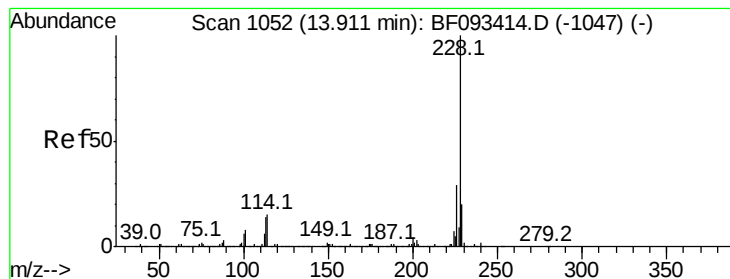


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 34.96 ng

RT: 13.89 min Scan# 1050

Delta R.T. 0.02 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

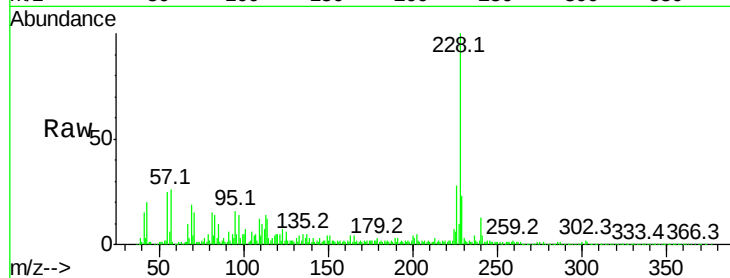
BNA_F

ClientSampleId :

HY-SB412C

Tot Ion:228 Resp: 633297

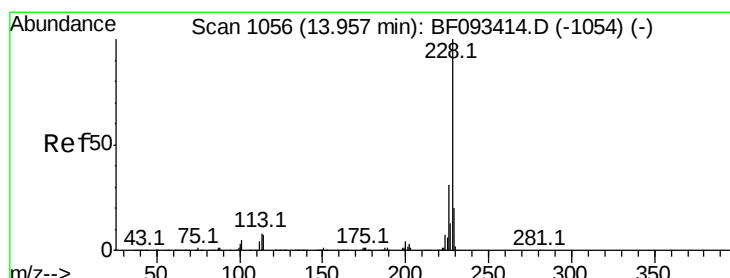
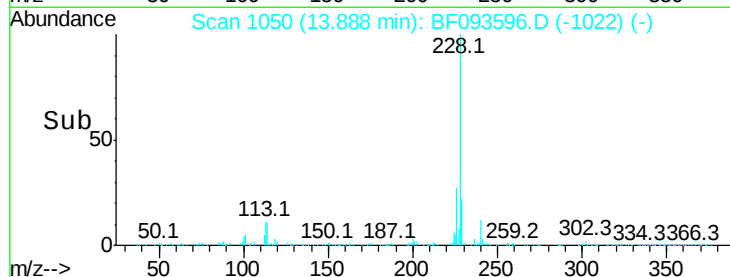
Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.4	33.6
229	23.4	16.2	24.4



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: 25.68 ng

RT: 13.92 min Scan# 1053

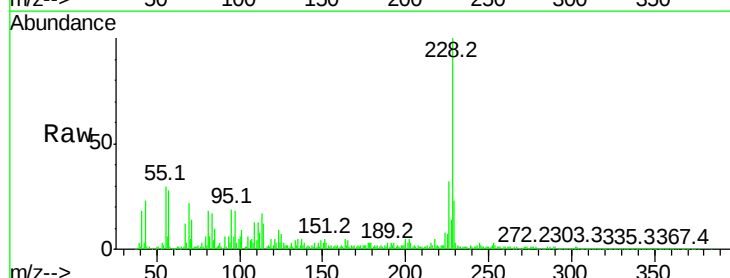
Delta R.T. 0.01 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Tgt Ion:228 Resp: 430317

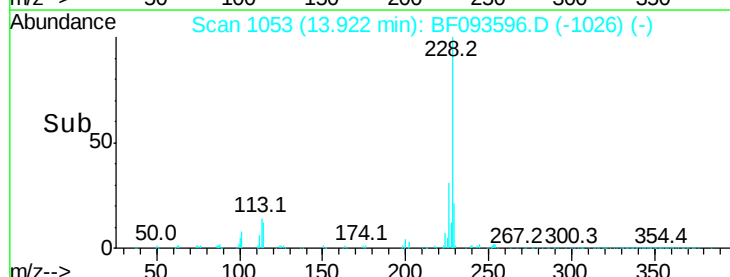
Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.4	38.0
229	23.1	16.2	24.2

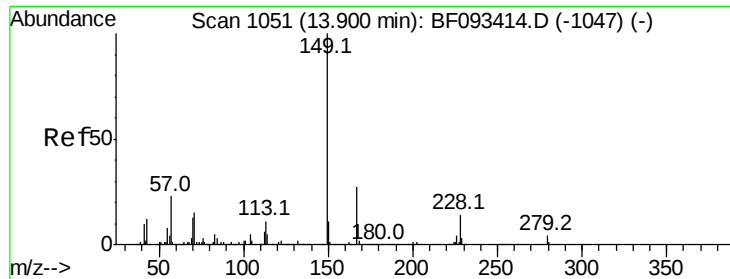


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.01 ng

RT: 13.87 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

BNA_F

ClientSampleId :

HY-SB412C

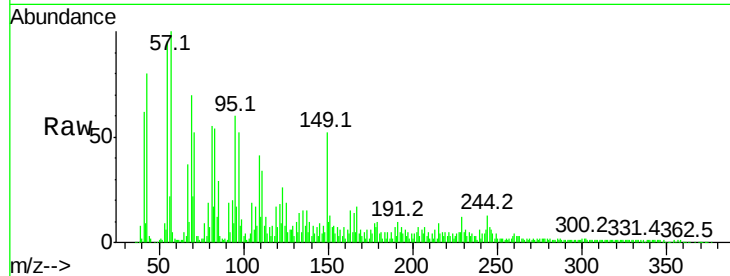
Tot Ion:149 Resp: 65536

Ion Ratio Lower Upper

149 100

167 32.1 20.2 30.4#

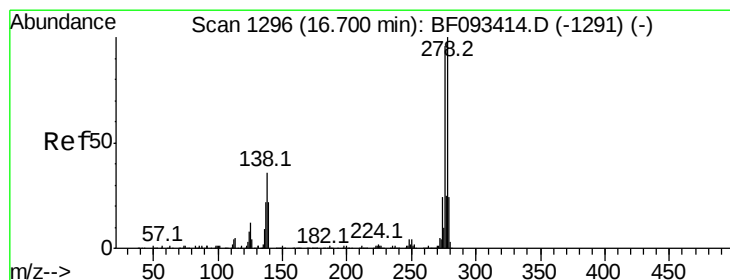
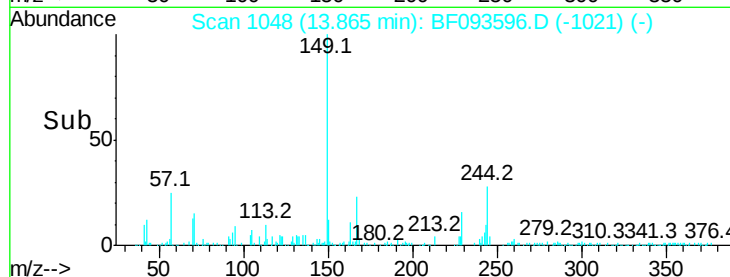
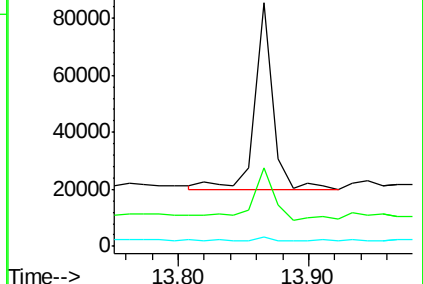
279 3.9 1.8 2.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 20.46 ng

RT: 16.67 min Scan# 1293

Delta R.T. 0.05 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

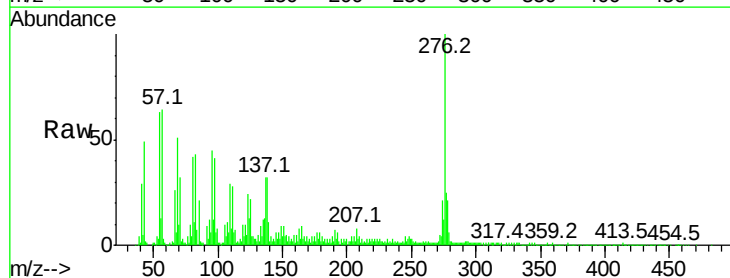
Tgt Ion:276 Resp: 287002

Ion Ratio Lower Upper

276 100

138 28.1 21.8 32.6

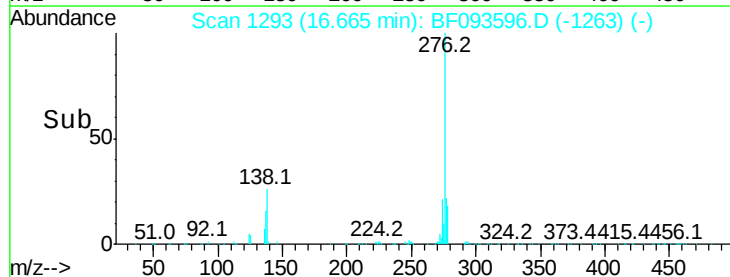
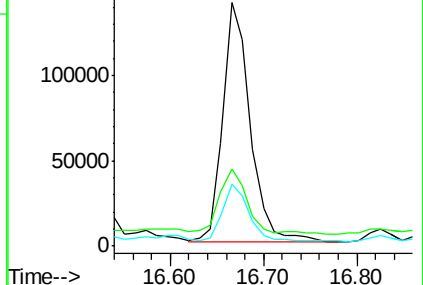
277 23.3 20.2 30.4

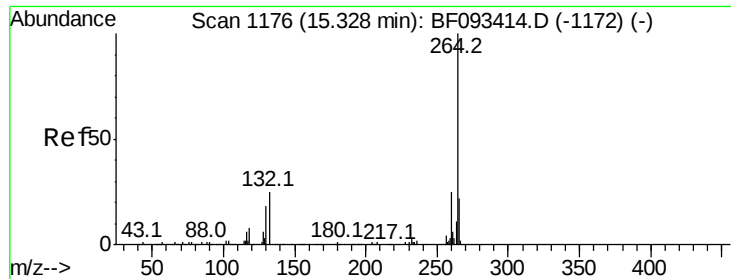


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



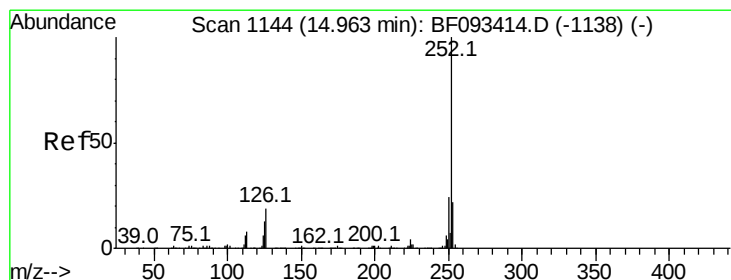
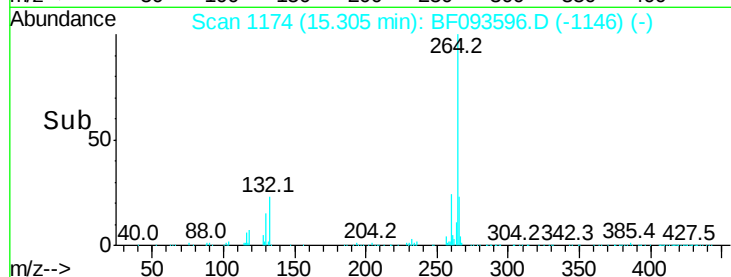
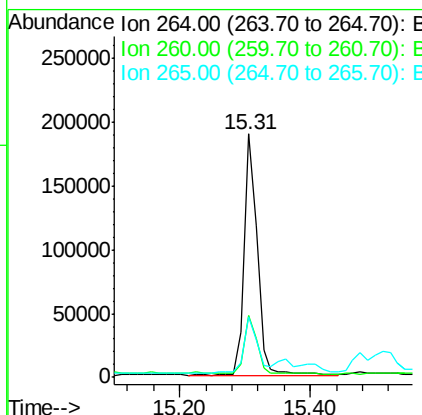
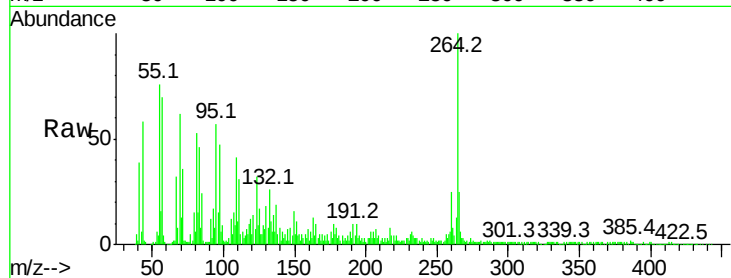


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1174
Delta R.T. 0.02 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

Instrument :
BNA_F
ClientSampleId :
HY-SB412C

Tot Ion:264 Resp: 260832

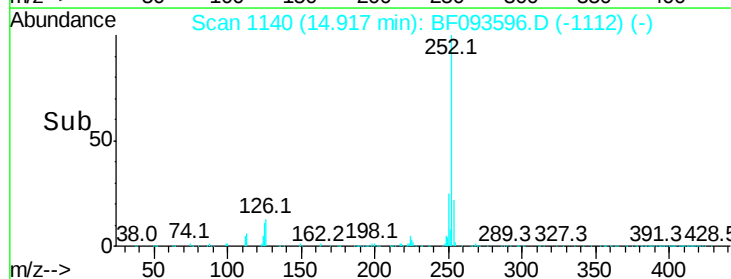
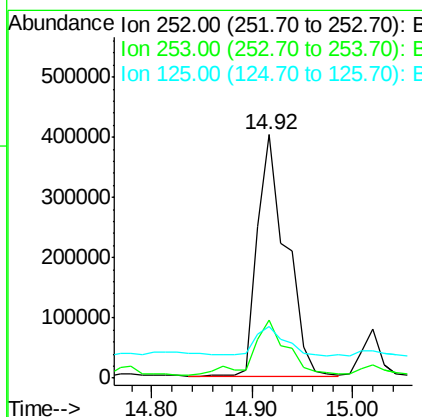
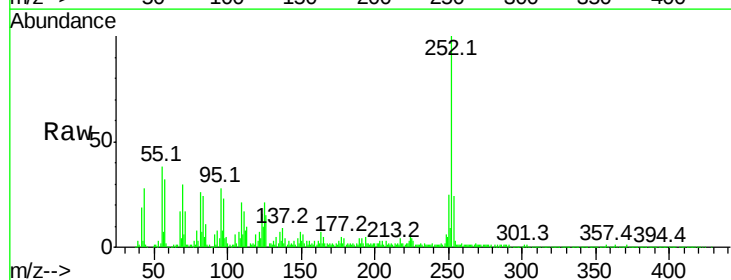
Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	24.7	17.4	26.0

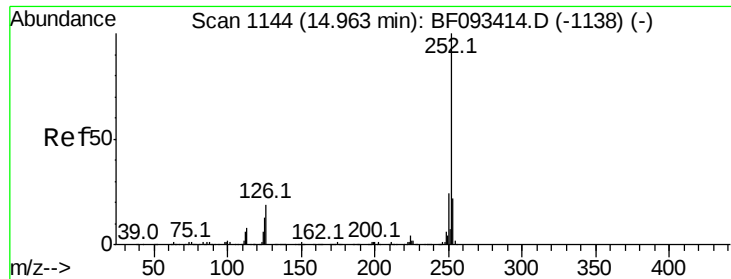


#87
Benzo(b)fluoranthene
Concen: 49.68 ng
RT: 14.92 min Scan# 1140
Delta R.T. 0.02 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

Tgt Ion:252 Resp: 789177

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	21.2	9.8	14.6

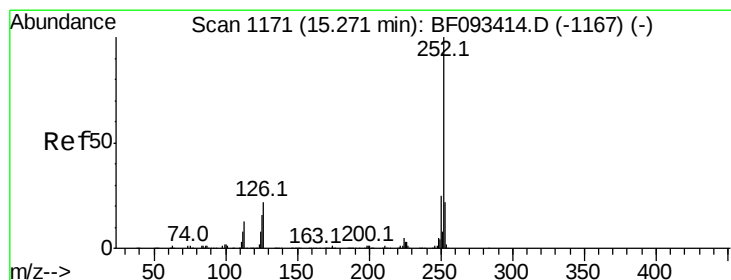
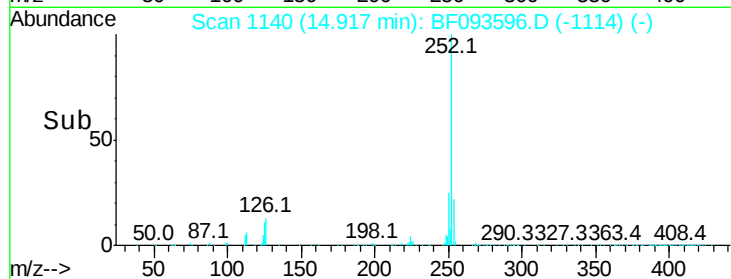
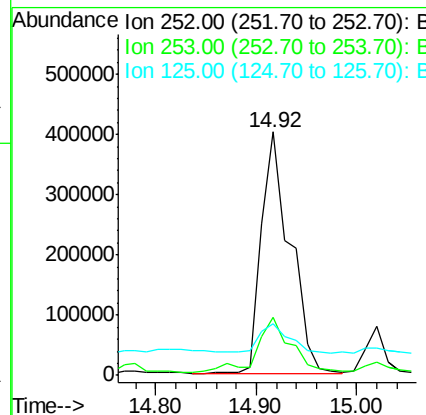
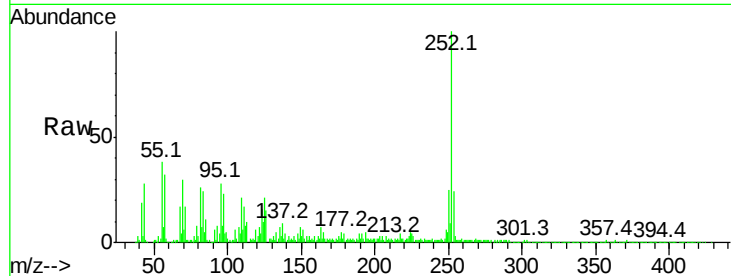




#88
Benzo(k)fluoranthene
Concen: 51.51 ng
RT: 14.92 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

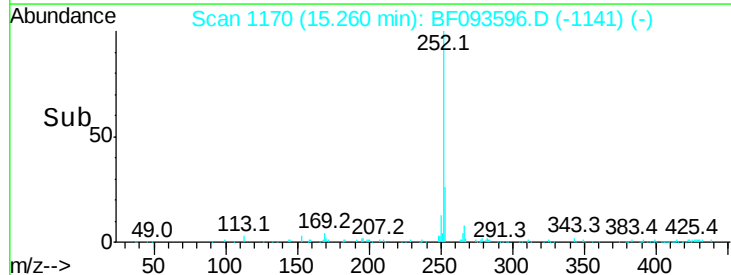
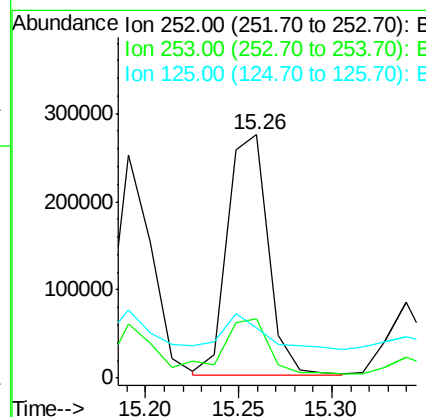
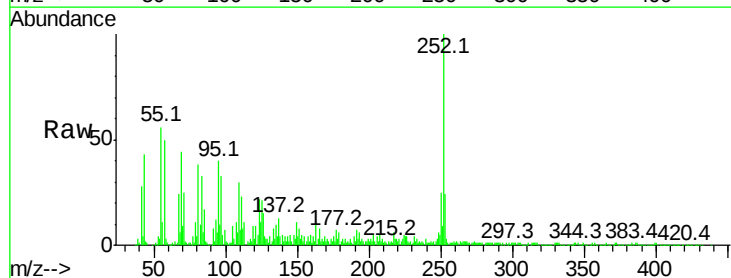
Instrument :
BNA_F
ClientSampleId :
HY-SB412C

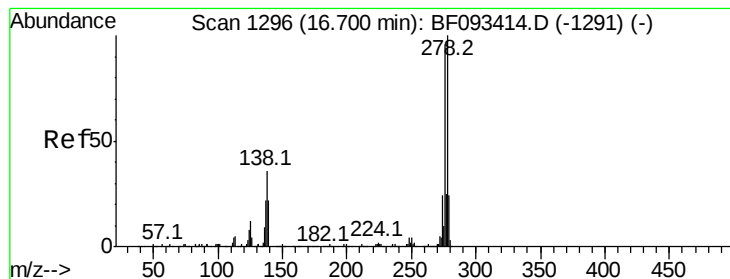
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.5	27.7
125	21.2	8.9	13.3



#89
Benzo(a)pyrene
Concen: 28.53 ng
RT: 15.26 min Scan# 1170
Delta R.T. 0.03 min
Lab File: BF093596.D
Acq: 12 Mar 2017 7:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	20.6	10.0	15.0





#90

Dibenzo(a,h)anthracene

Concen: 4.96 ng

RT: 16.67 min Scan# 1293

Delta R.T. 0.05 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

Instrument :

BNA_F

ClientSampleId :

HY-SB412C

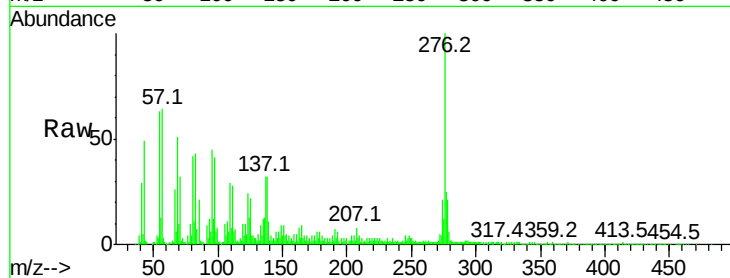
Tot Ion:278 Resp: 59587

Ion Ratio Lower Upper

278 100

139 51.9 14.8 22.2#

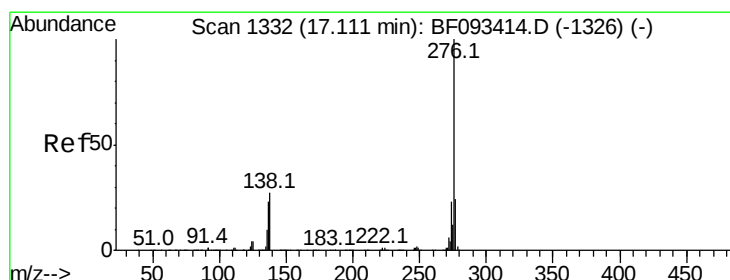
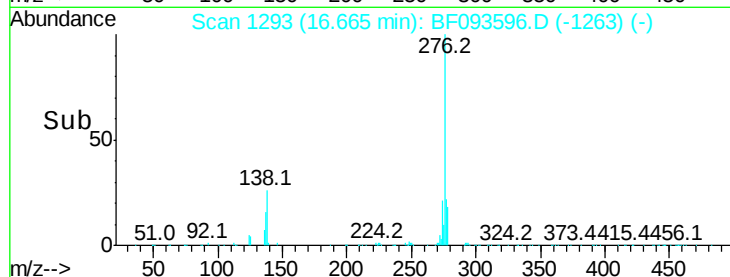
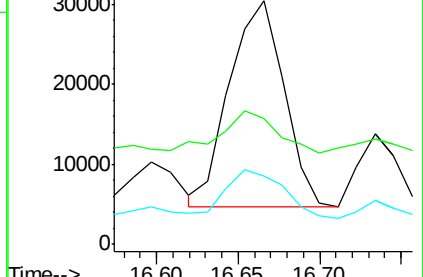
279 27.8 19.8 29.6



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: 23.26 ng

RT: 17.08 min Scan# 1329

Delta R.T. 0.06 min

Lab File: BF093596.D

Acq: 12 Mar 2017 7:38

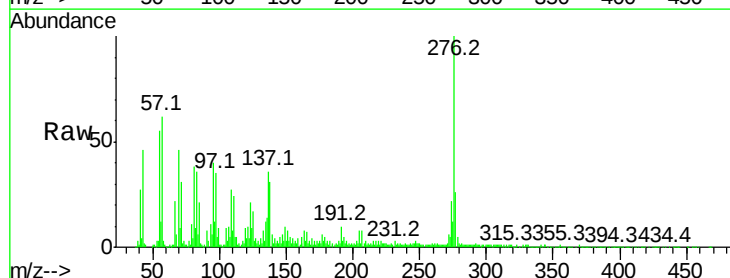
Tgt Ion:276 Resp: 286686

Ion Ratio Lower Upper

276 100

277 26.2 19.2 28.8

138 31.0 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

