

Data Path : Z:\HPCHEM1\BNA F\Data\BF031117\
 Data File : BF093595.D
 Acq On : 12 Mar 2017 7:11
 Operator : SJ/MA
 Sample : I2133-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB420A

Quant Time: Mar 13 18:13:14 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	196190	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	595823	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	205079	20.00	ng	0.01
63) Phenanthrene-d10	11.26	188	368027	20.00	ng	0.01
75) Chrysene-d12	13.89	240	355422	20.00	ng	0.00
86) Perylene-d12	15.28	264	314323	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1332007	113.00	ng	0.00
7) Phenol-d6	6.38	99	1582290	106.44	ng	0.00
23) Nitrobenzene-d5	7.29	82	953554	88.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	171864	128.63	ng	0.02
44) 2-Fluorobiphenyl	9.10	172	1221277	110.77	ng	0.01
78) Terphenyl-d14	12.83	244	881744	64.50	ng	0.00

Target Compounds						Qvalue
10) Phenol	6.39	94	51722	2.84	ng	# 34
15) Benzyl Alcohol	6.87	79	28677	2.71	ng	# 48
18) Hexachloroethane	7.29	117	315458	60.43	ng	# 5
19) n-Nitroso-di-n-propylamine	7.14	70	55926	5.47	ng	# 68
22) Acetophenone	7.06	105	60754	4.24	ng	# 63
24) Nitrobenzene	7.26	77	74952	6.21	ng	# 33
25) Isophorone	7.53	82	165530	7.64	ng	# 1
26) 2-Nitrophenol	7.68	139	42494	7.72	ng	# 1
27) 2,4-Dimethylphenol	7.66	122	25170	2.81	ng	# 6
28) bis(2-Chloroethoxy)methane	7.81	93	41951	3.07	ng	# 1
29) 2,4-Dichlorophenol	7.85	162	20408	2.42	ng	# 1
31) Naphthalene	8.04	128	322711	10.81	ng	# 64
32) Benzoic acid	7.80	122	20430	4.39	ng	# 34
35) Caprolactam	8.45	113	214075	74.38	ng	# 1
36) 4-Chloro-3-methylphenol	8.64	107	42550	4.73	ng	# 37
37) 2-Methylnaphthalene	8.73	142	161474	8.50	ng	# 93
42) 2,4,6-Trichlorophenol	9.01	196	9603	2.74	ng	# 9
43) 2,4,5-Trichlorophenol	9.01	196	9603	2.56	ng	# 1
47) 2-Nitroaniline	9.32	65	9195	2.27	ng	# 16
48) Acenaphthylene	9.64	152	85709	4.54	ng	# 1
49) Dimethylphthalate	9.50	163	244286	17.97	ng	# 94
50) 2,6-Dinitrotoluene	9.54	165	49252	16.51	ng	# 77
51) Acenaphthene	9.81	154	153774	13.79	ng	# 83
52) 3-Nitroaniline	9.72	138	37250	10.39	ng	# 32
54) Dibenzofuran	9.99	168	99058	7.10	ng	# 1
55) 4-Nitrophenol	9.99	139	96208	55.27	ng	# 47
56) 2,4-Dinitrotoluene	9.99	165	47827	13.05	ng	# 62
57) Fluorene	10.33	166	253692	21.45	ng	# 82
58) 2,3,4,6-Tetrachlorophenol	10.08	232	5880	2.22	ng	# 7
59) Diethylphthalate	10.22	149	60974	4.69	ng	# 8
61) 4-Nitroaniline	10.23	138	37707	10.29	ng	# 80
62) Azobenzene	10.47	77	67873	4.60	ng	# 1
65) n-Nitrosodiphenylamine	10.41	169	498700	40.58	ng	# 74
70) Phenanthrene	11.28	178	613044	29.18	ng	# 94

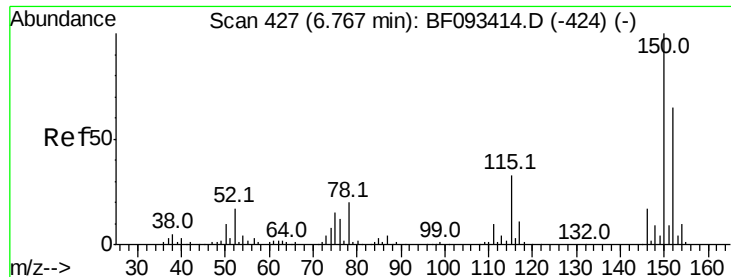
Data Path : Z:\HPCHEM1\BNA F\Data\BF031117\
 Data File : BF093595.D
 Acq On : 12 Mar 2017 7:11
 Operator : SJ/MA
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Anthracene	11.34	178	70433	3.31	ng	# 68
74) Fluoranthene	12.47	202	281978	13.90	ng	95
77) Pyrene	12.69	202	371992	14.39	ng	98
80) Benzo(a)anthracene	13.88	228	190886	9.09	ng	98
82) Chrysene	13.88	228	190886	9.83	ng	94
85) Indeno(1,2,3-cd)pyrene	16.64	276	130233	8.01	ng	97
87) Benzo(b)fluoranthene	14.89	252	318970	16.66	ng	# 88
88) Benzo(k)fluoranthene	14.89	252	318970	17.28	ng	# 87
89) Benzo(a)pyrene	15.24	252	199888	11.43	ng	# 92
90) Dibenzo(a,h)anthracene	16.64	278	36039	2.49	ng	# 44
91) Benzo(a,h,i)perylene	17.05	276	124956	8.41	ng	# 85

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

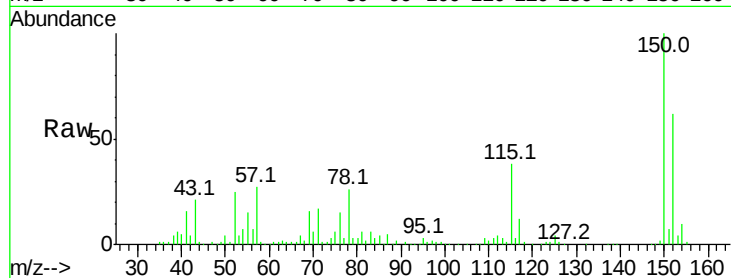


#1

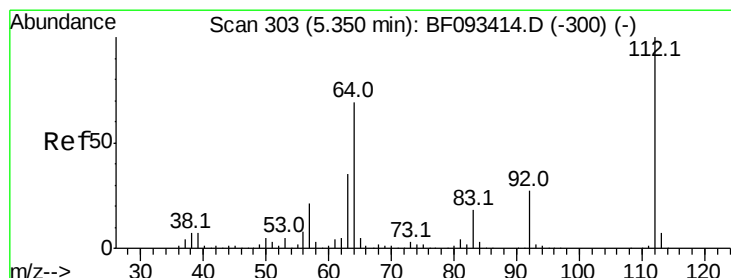
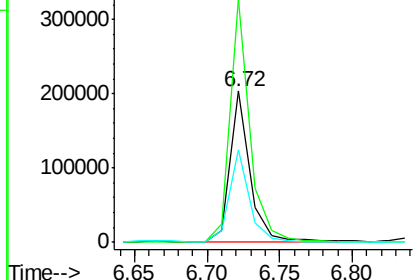
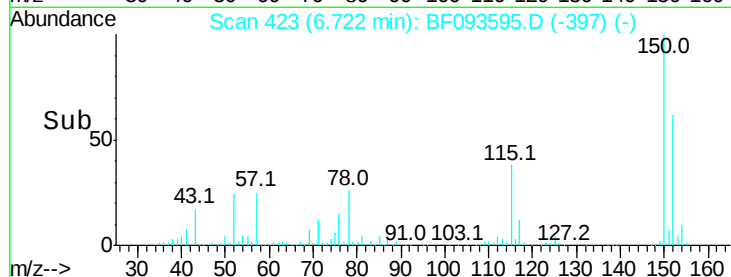
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 423
Delta R.T. -0.00 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Instrument :
BNA_F
ClientSampleId :
HY-SB420A

Tot Ion:152 Resp: 196190
Ion Ratio Lower Upper
152 100
150 161.1 124.9 187.3
115 61.2 46.0 69.0



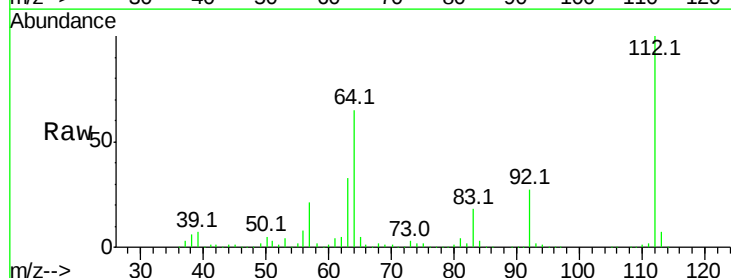
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



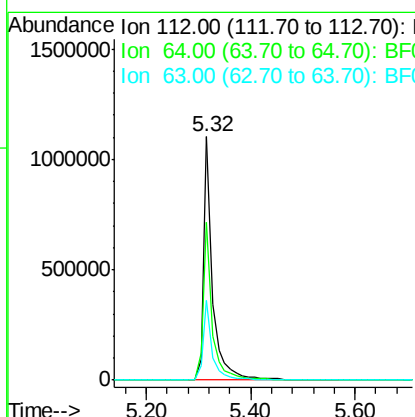
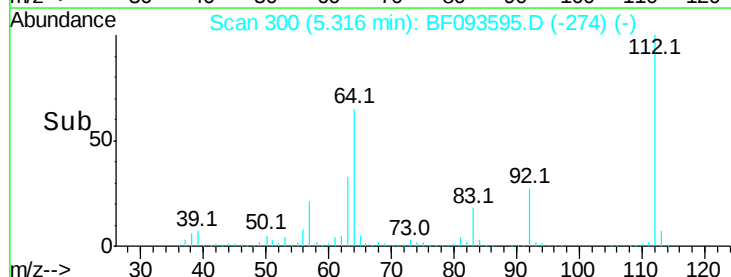
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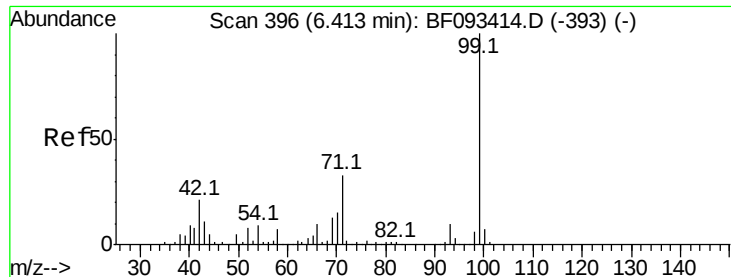
2-Fluorophenol
Concen: 113.00 ng
RT: 5.32 min Scan# 300
Delta R.T. -0.00 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Tgt Ion:112 Resp: 1332007
Ion Ratio Lower Upper
112 100
64 65.1 46.1 69.1
63 32.6 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: 106.44 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :

BNA_F

ClientSampleId :

HY-SB420A

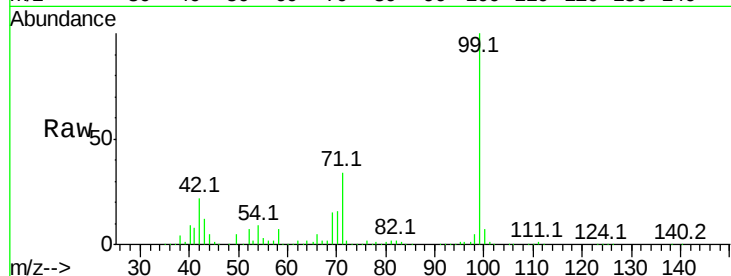
Tot Ion: 99 Resp: 1582290

Ion	Ratio	Lower	Upper
99	100		
42	22.1	15.6	23.4
71	34.4	27.5	41.3

99 100

42 22.1 15.6 23.4

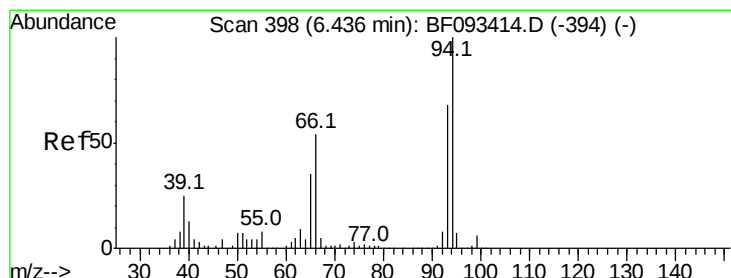
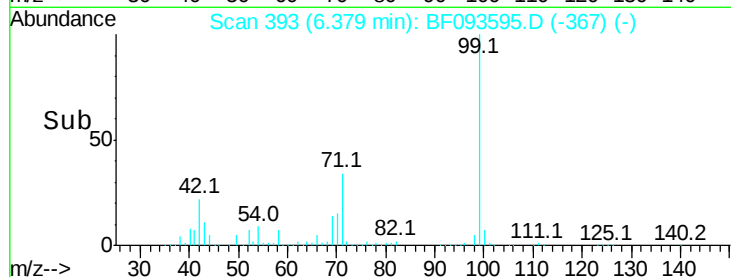
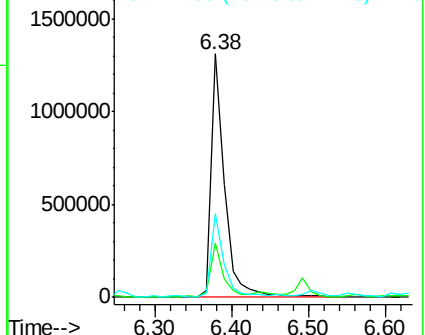
71 34.4 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.84 ng

RT: 6.39 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

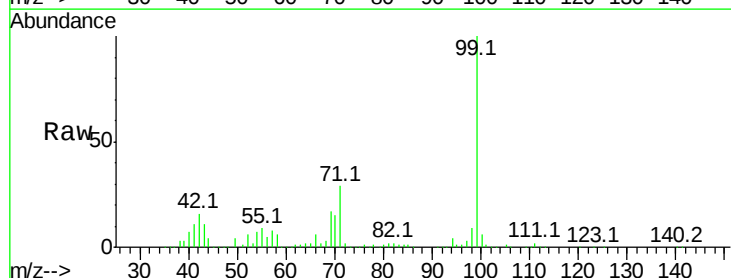
Tgt Ion: 94 Resp: 51722

Ion	Ratio	Lower	Upper
94	100		
65	55.8	21.4	61.4
66	137.7	44.0	84.0#

94 100

65 55.8 21.4 61.4

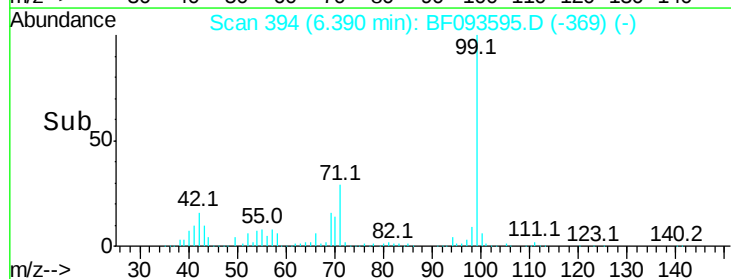
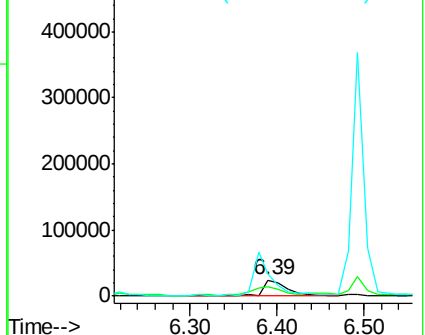
66 137.7 44.0 84.0#

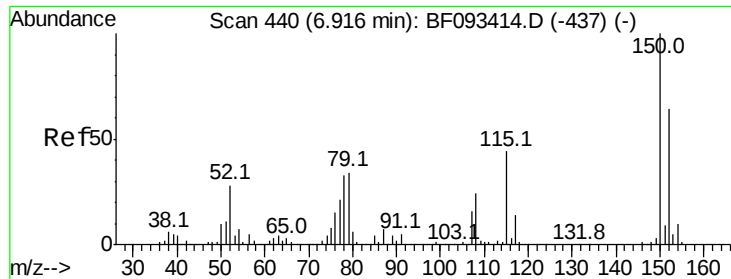


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

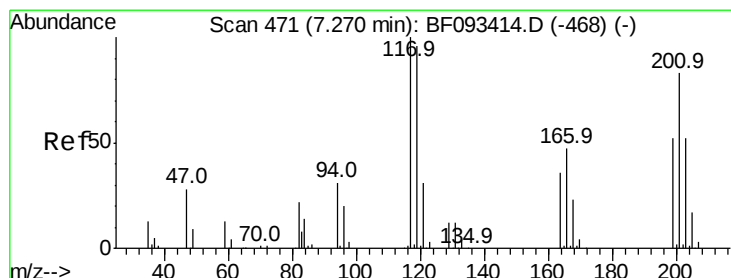
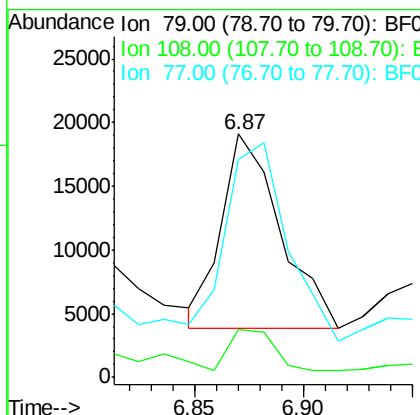
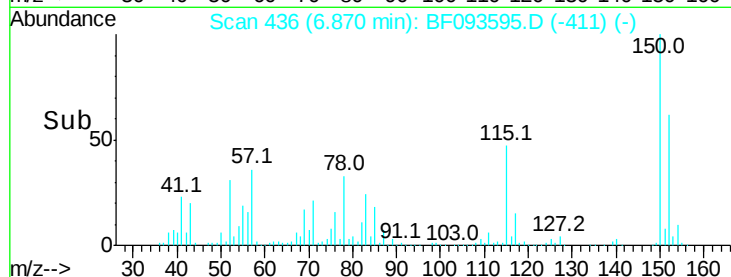
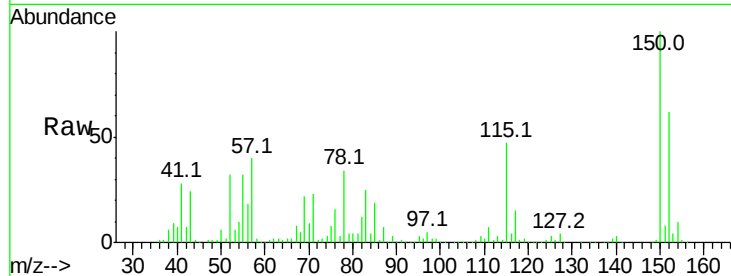




#15
Benzyl Alcohol
Concen: 2.71 ng
RT: 6.87 min Scan# 436
Delta R.T. -0.01 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

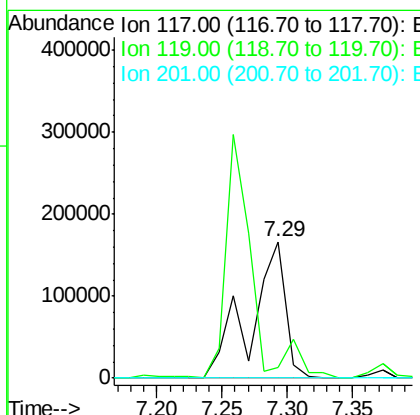
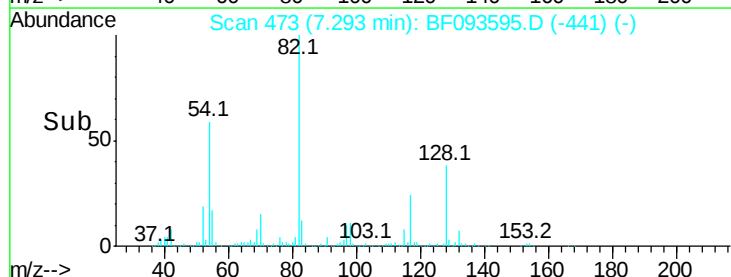
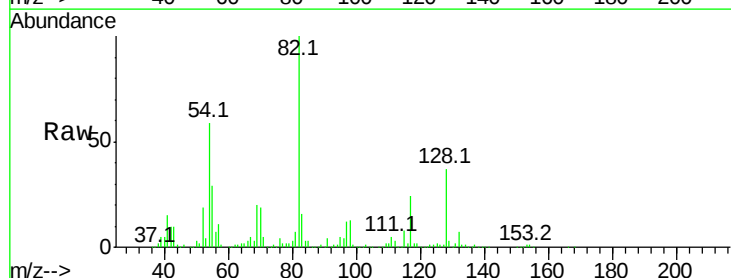
Instrument :
BNA_F
ClientSampled :
HY-SB420A

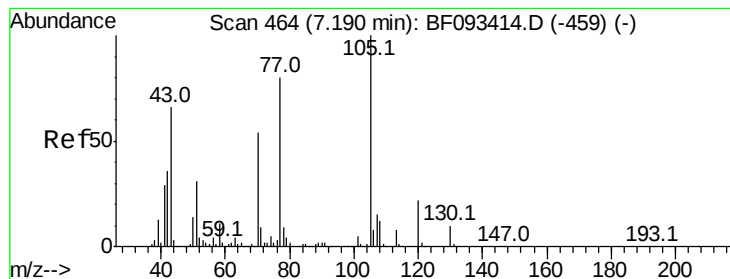
Tot Ion: 79 Resp: 28677
Ion Ratio Lower Upper
79 100
108 19.4 61.4 92.0#
77 89.8 50.9 76.3#



#18
Hexachloroethane
Concen: 60.43 ng
RT: 7.29 min Scan# 473
Delta R.T. 0.07 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Tgt Ion: 117 Resp: 315458
Ion Ratio Lower Upper
117 100
119 7.9 78.1 117.1#
201 0.0 78.6 117.8#





#19

n-Nitroso-di-n-propylamine

Concen: 5.47 ng

RT: 7.14 min Scan# 460

Delta R.T. -0.00 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :

BNA_F

ClientSampleId :

HY-SB420A

Tot Ion: 70 Resp: 55926

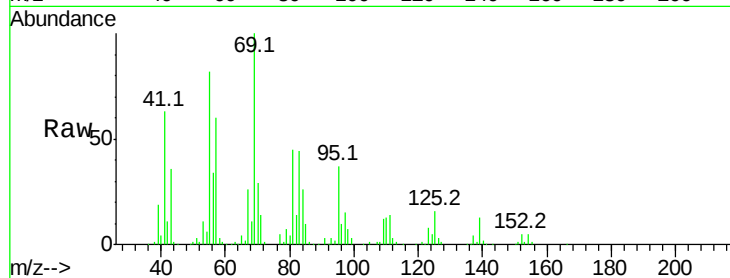
Ion Ratio Lower Upper

70 100

42 38.1 49.4 74.0#

101 0.0 7.4 11.2#

130 0.0 14.2 21.4#

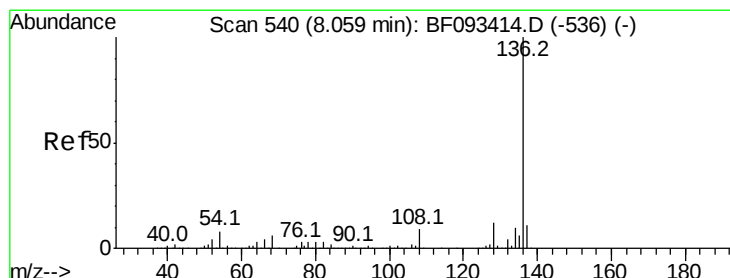
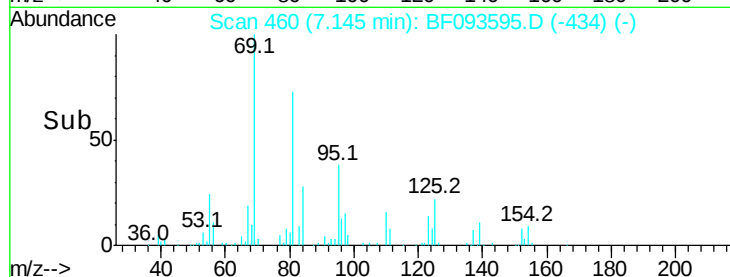
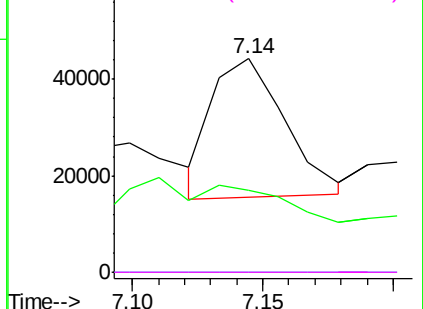


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 536

Delta R.T. -0.00 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Tgt Ion:136 Resp: 595823

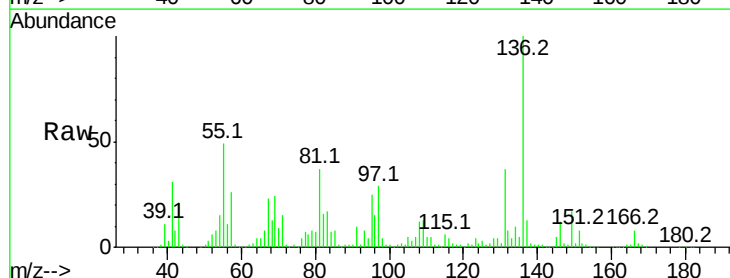
Ion Ratio Lower Upper

136 100

137 13.4 8.4 12.6#

54 15.0 4.5 6.7#

68 13.2 3.6 5.4#

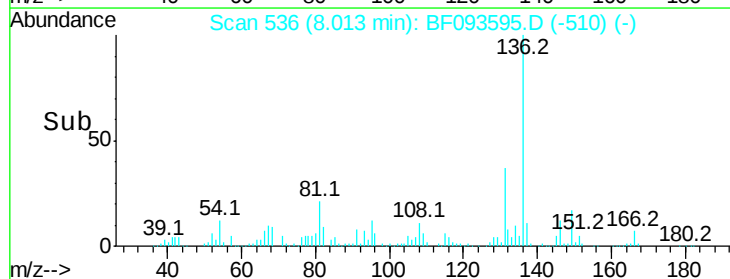
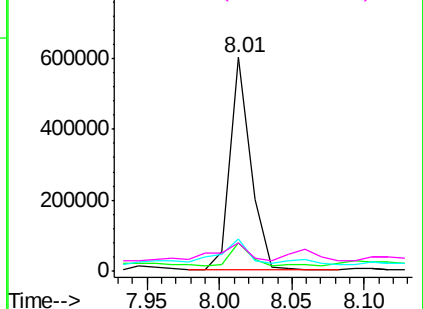


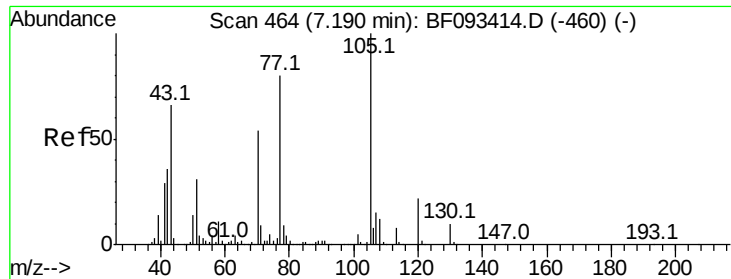
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 4.24 ng

RT: 7.06 min Scan# 453

Delta R.T. -0.08 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :

BNA_F

ClientSampleId :

HY-SB420A

Tot Ion:105 Resp: 60754

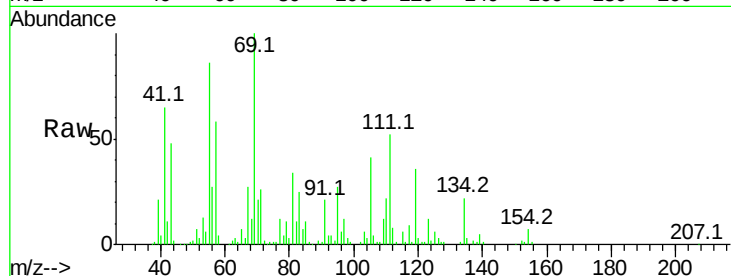
Ion Ratio Lower Upper

105 100

71 64.1 3.2 4.8#

51 17.7 26.2 39.4#

120 8.5 16.6 24.8#

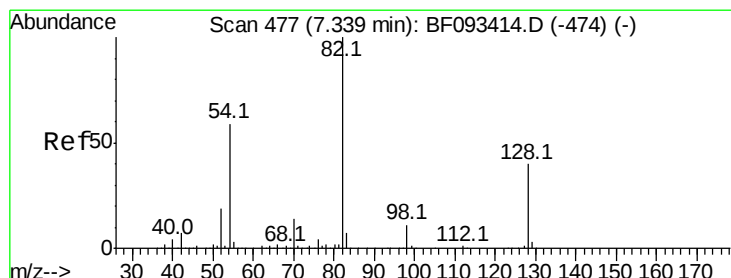
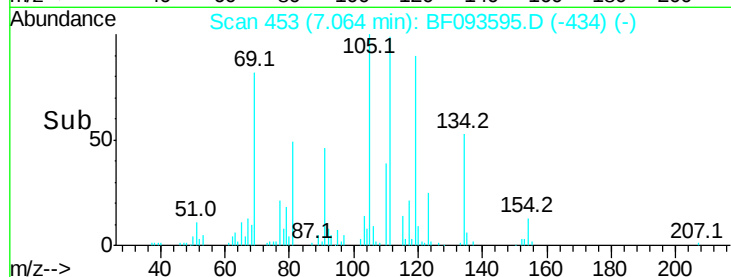
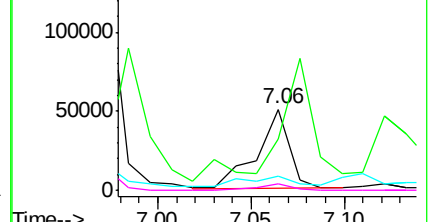


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 88.80 ng

RT: 7.29 min Scan# 473

Delta R.T. -0.01 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

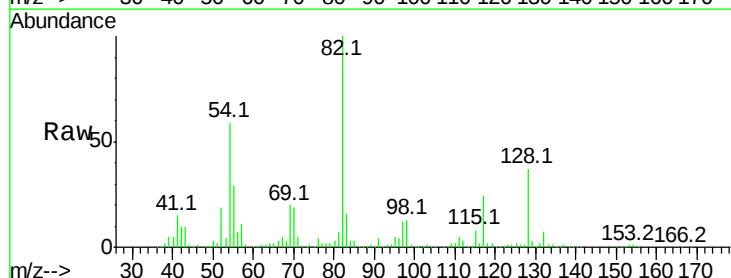
Tgt Ion: 82 Resp: 953554

Ion Ratio Lower Upper

82 100

128 37.2 34.6 52.0

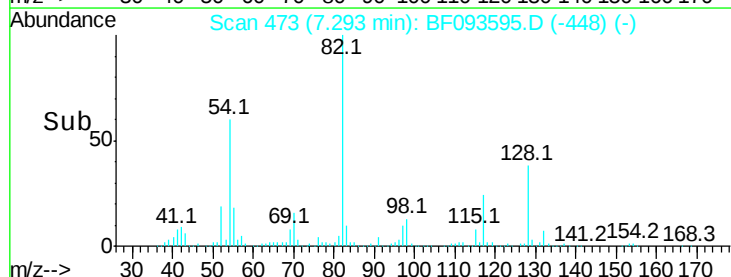
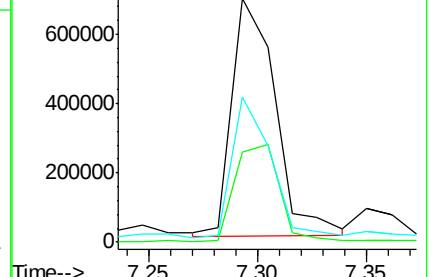
54 59.4 39.5 59.3#

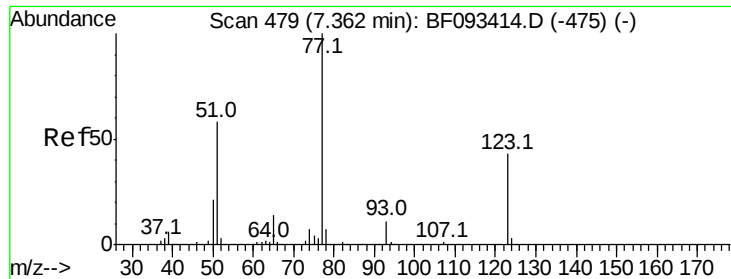


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

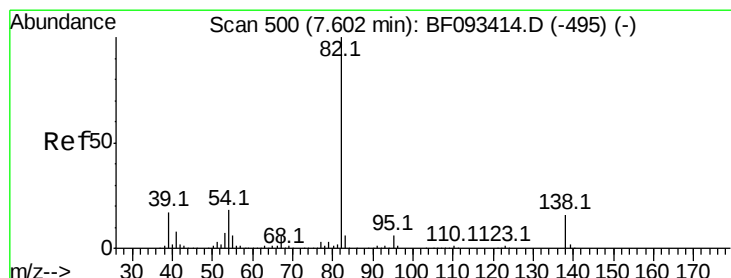
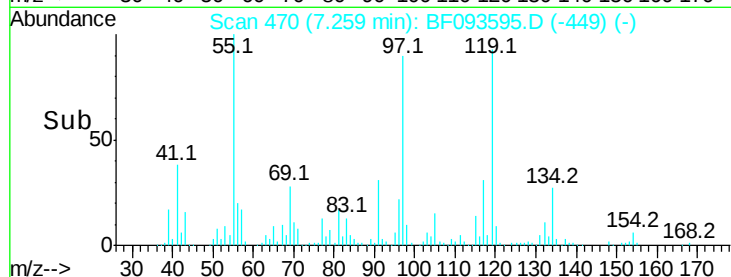
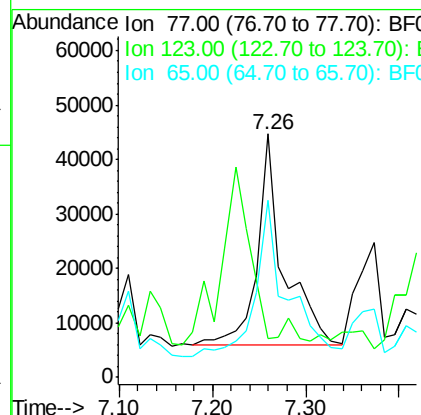
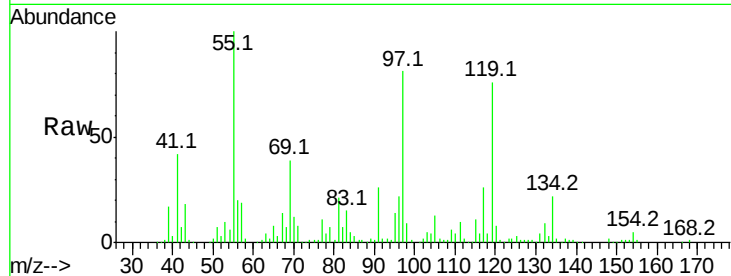




#24
 Nitrobenzene
 Concen: 6.21 ng
 RT: 7.26 min Scan# 470
 Delta R.T. -0.06 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

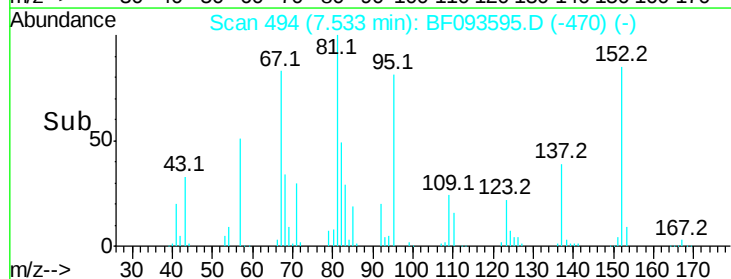
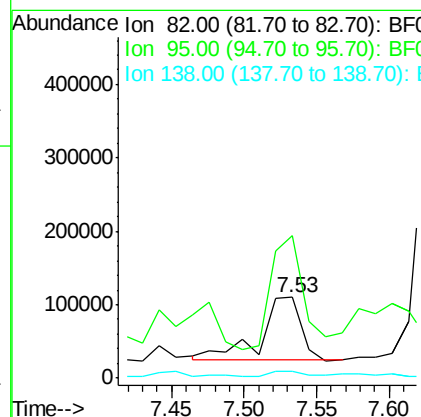
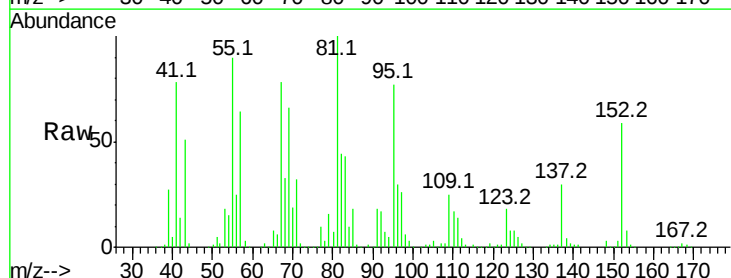
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB420A

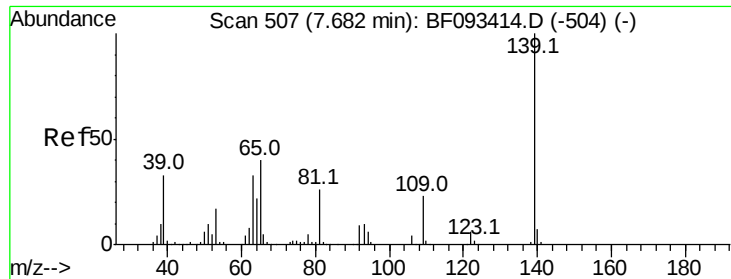
Tot Ion: 77 Resp: 74952
 Ion Ratio Lower Upper
 77 100
 123 15.7 33.0 49.4#
 65 72.6 11.2 16.8#



#25
 Isophorone
 Concen: 7.64 ng
 RT: 7.53 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Tgt Ion: 82 Resp: 165530
 Ion Ratio Lower Upper
 82 100
 95 176.1 5.6 8.4#
 138 8.6 14.6 22.0#

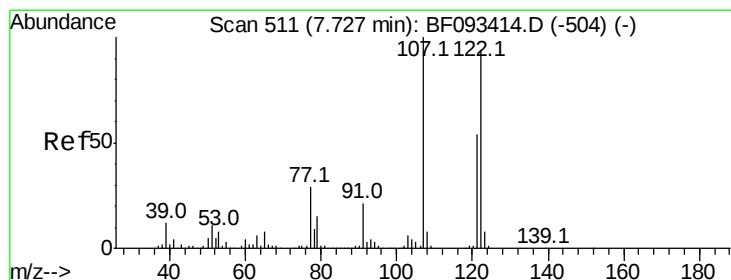
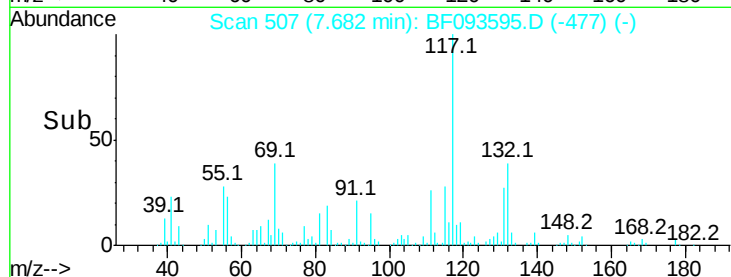
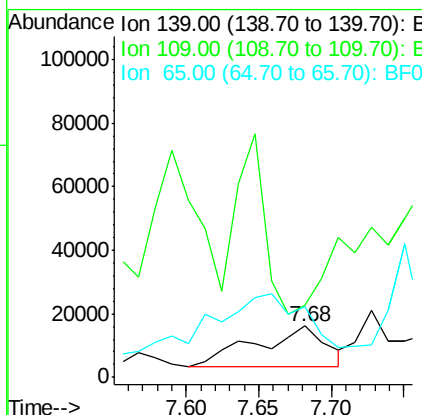
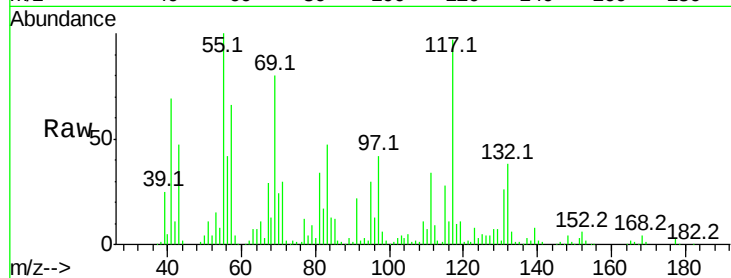




#26
2-Nitrophenol
Concen: 7.72 ng
RT: 7.68 min Scan# 507
Delta R.T. 0.05 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

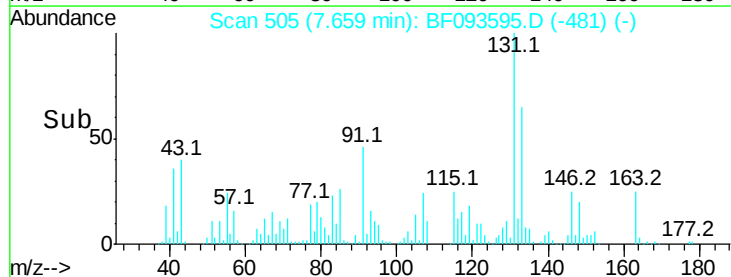
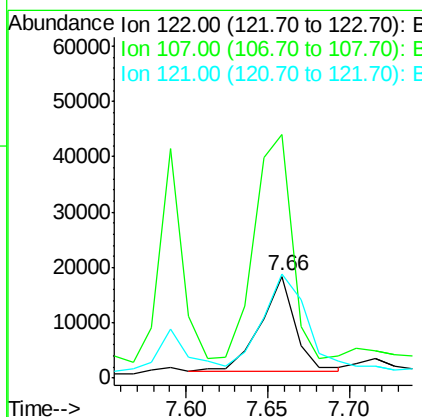
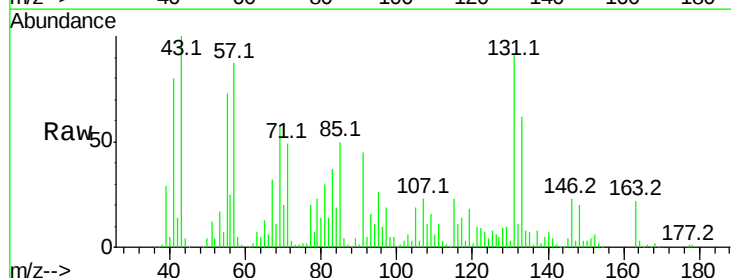
Instrument :
BNA_F
ClientSampleId :
HY-SB420A

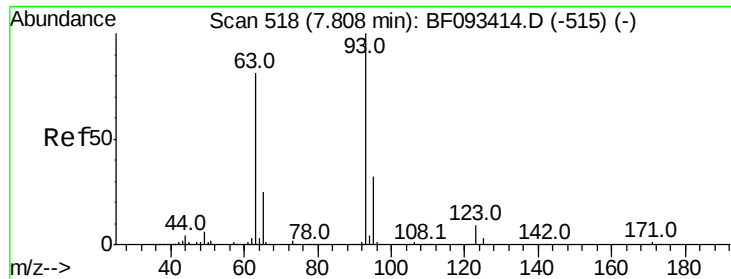
Tot Ion:139 Resp: 42494
Ion Ratio Lower Upper
139 100
109 140.0 23.3 34.9#
65 139.3 42.7 64.1#



#27
2,4-Dimethylphenol
Concen: 2.81 ng
RT: 7.66 min Scan# 505
Delta R.T. -0.02 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Tgt Ion:122 Resp: 25170
Ion Ratio Lower Upper
122 100
107 238.4 94.1 141.1#
121 101.9 46.0 69.0#

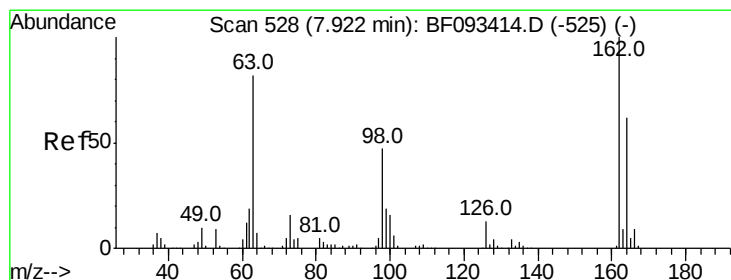
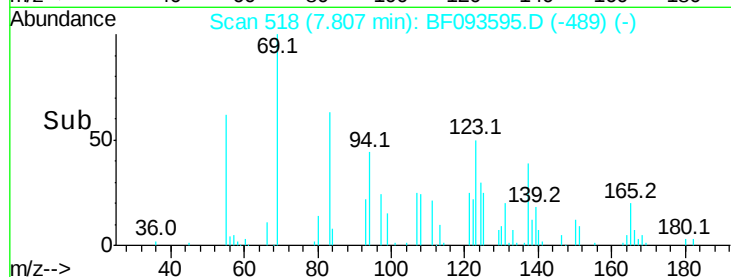
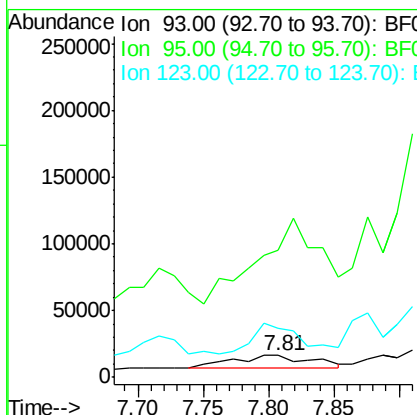
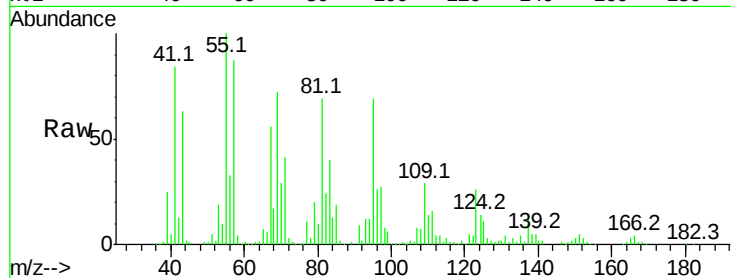




#28
 bis(2-Chloroethoxy)methane
 Concen: 3.07 ng
 RT: 7.81 min Scan# 518
 Delta R.T. 0.03 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

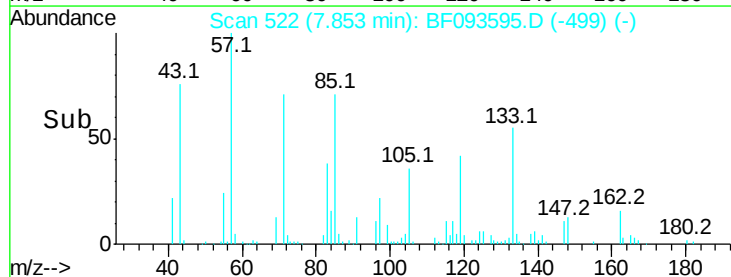
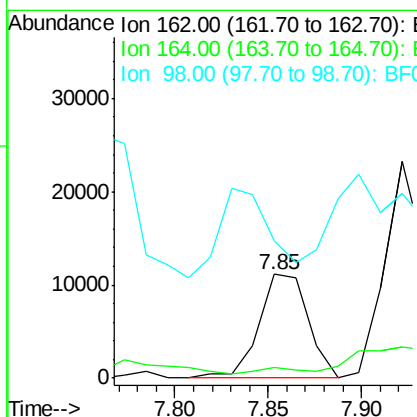
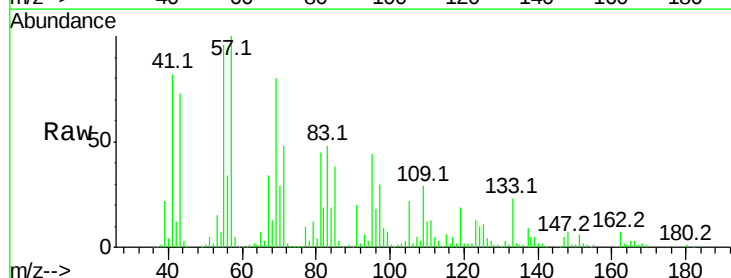
Instrument :
 BNA_F
 ClientSampled :
 HY-SB420A

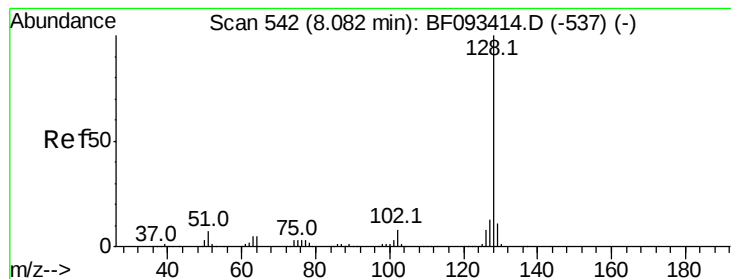
Tot Ion: 93 Resp: 41951
 Ion Ratio Lower Upper
 93 100
 95 580.7 26.5 39.7#
 123 223.2 8.6 13.0#



#29
 2,4-Dichlorophenol
 Concen: 2.42 ng
 RT: 7.85 min Scan# 522
 Delta R.T. -0.03 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Tgt Ion:162 Resp: 20408
 Ion Ratio Lower Upper
 162 100
 164 9.7 46.8 86.8#
 98 132.0 9.1 49.1#





#31

Naphthalene

Concen: 10.81 ng

RT: 8.04 min Scan# 538

Delta R.T. -0.00 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :

BNA_F

ClientSampleId :

HY-SB420A

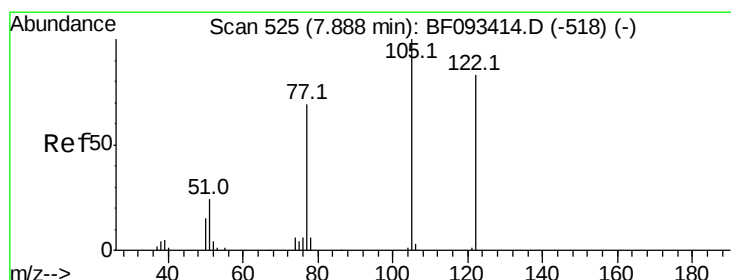
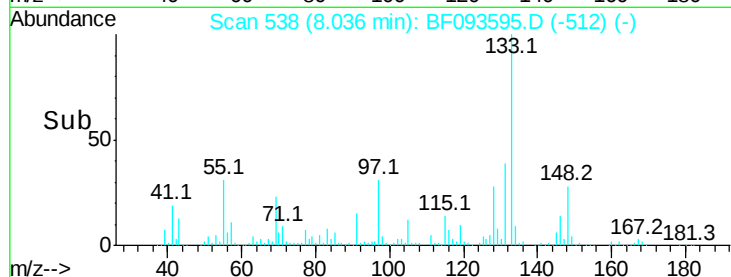
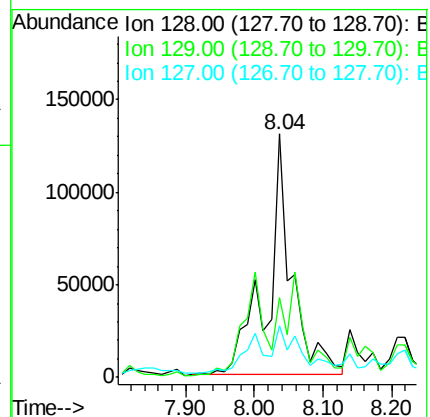
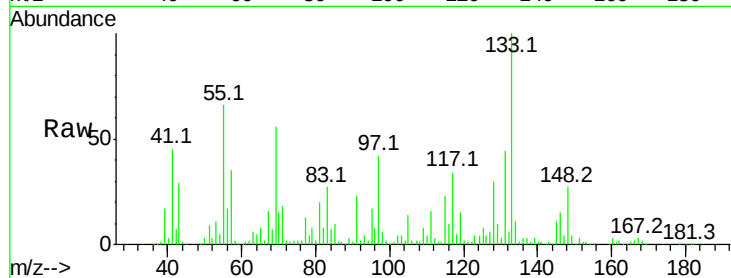
Tot Ion:128 Resp: 322711

Ion Ratio Lower Upper

128 100

129 33.0 9.5 14.3#

127 21.1 10.8 16.2#



#32

Benzoic acid

Concen: 4.39 ng

RT: 7.80 min Scan# 517

Delta R.T. -0.06 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

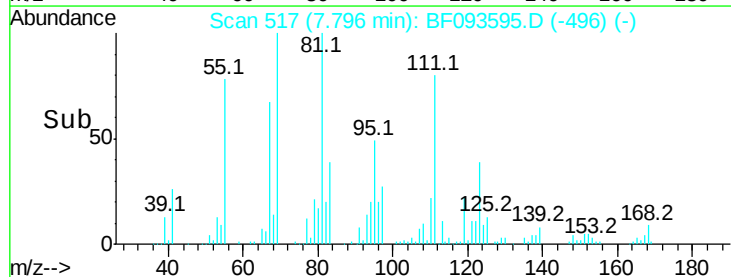
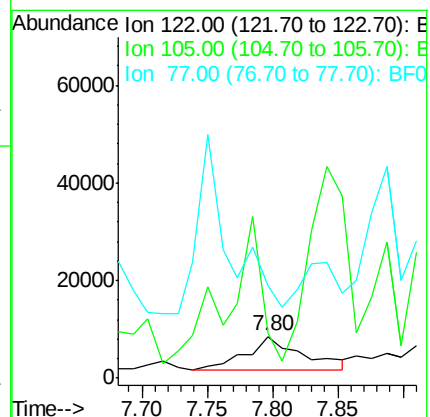
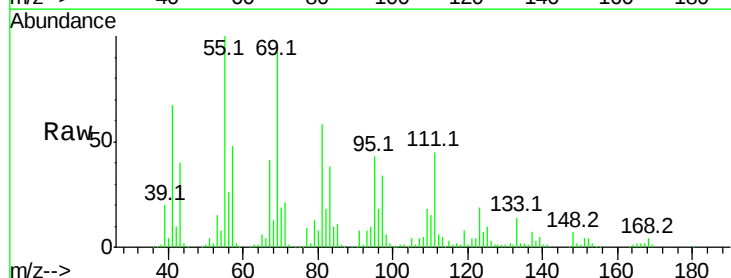
Tgt Ion:122 Resp: 20430

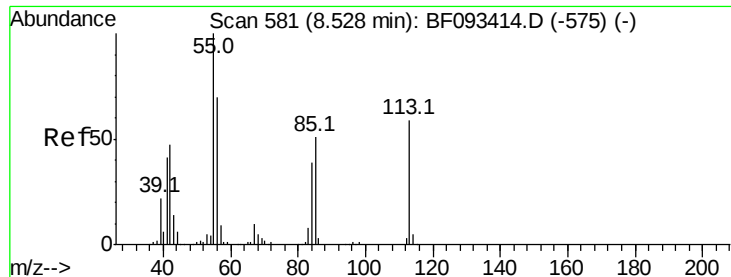
Ion Ratio Lower Upper

122 100

105 107.3 107.2 147.2

77 221.3 74.5 114.5#

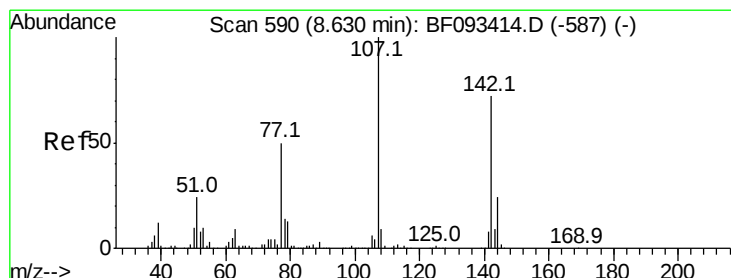
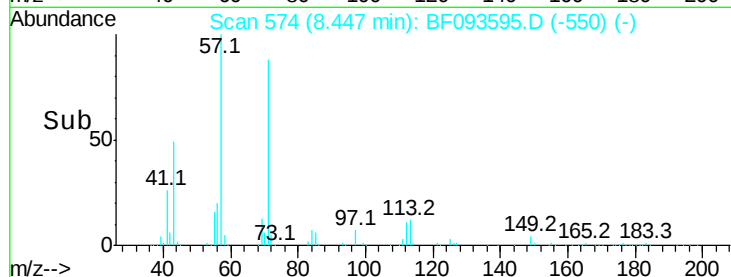
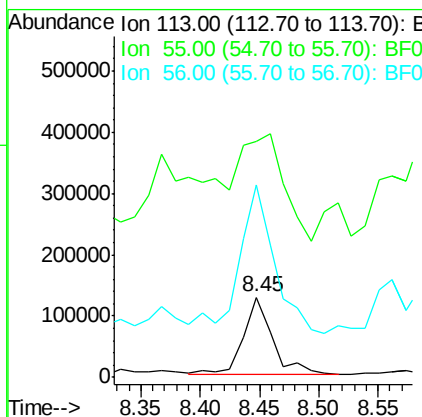
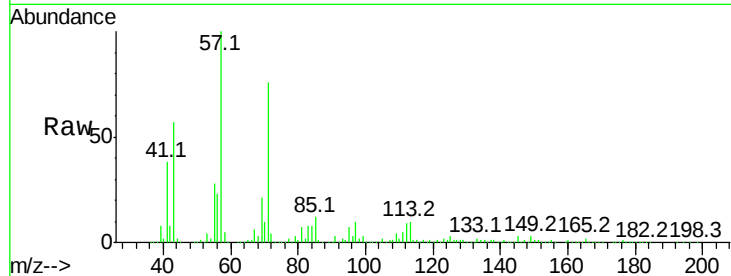




#35
 Caprolactam
 Concen: 74.38 ng
 RT: 8.45 min Scan# 574
 Delta R.T. -0.02 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

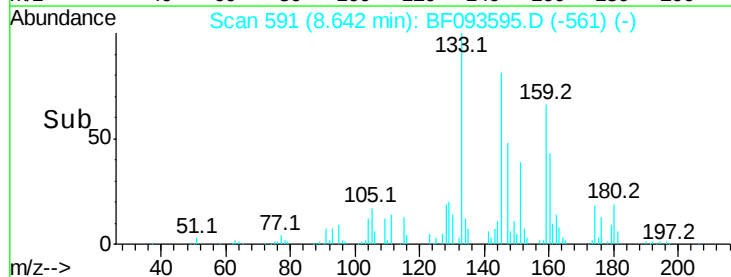
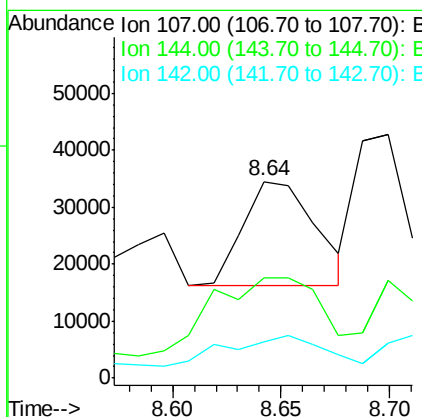
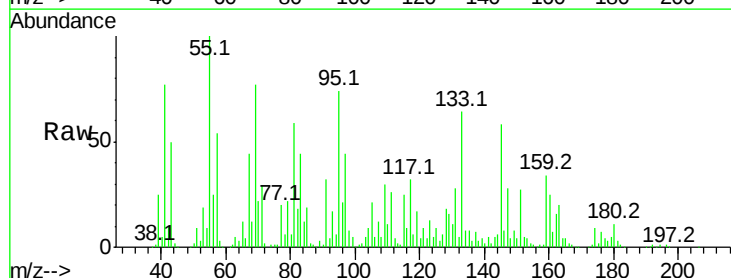
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB420A

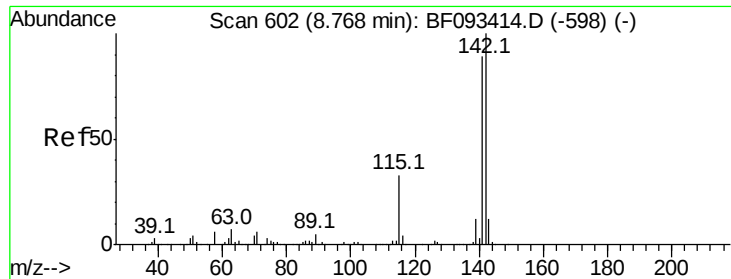
Tot Ion:113 Resp: 214075
 Ion Ratio Lower Upper
 113 100
 55 295.9 119.2 159.2#
 56 240.8 83.8 123.8#



#36
 4-Chloro-3-methylphenol
 Concen: 4.73 ng
 RT: 8.64 min Scan# 591
 Delta R.T. 0.05 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Tgt Ion:107 Resp: 42550
 Ion Ratio Lower Upper
 107 100
 144 51.1 19.3 28.9#
 142 18.3 59.0 88.6#





#37

2-Methylnaphthalene

Concen: 8.50 ng

RT: 8.73 min Scan# 599

Delta R.T. 0.01 min

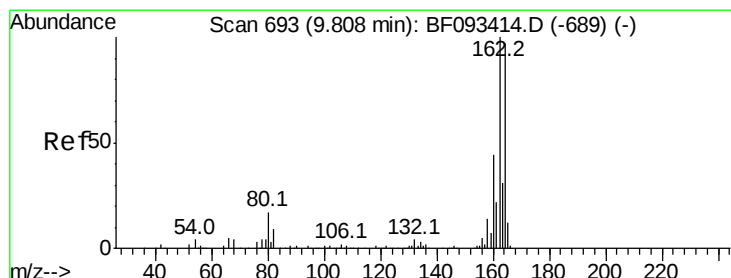
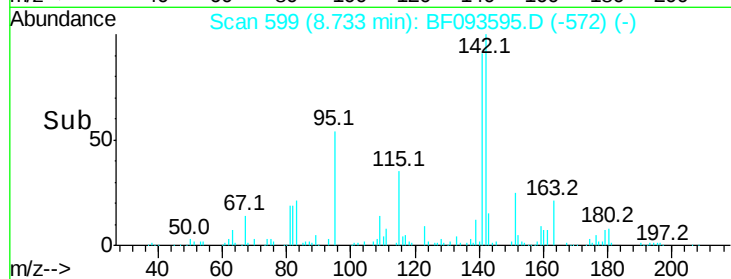
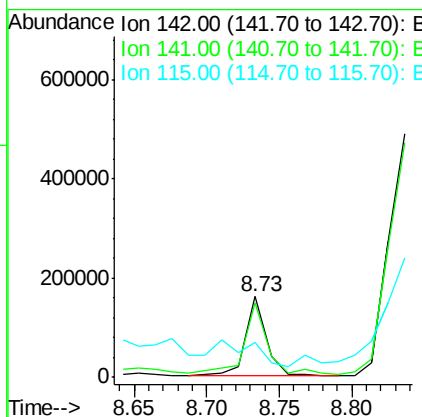
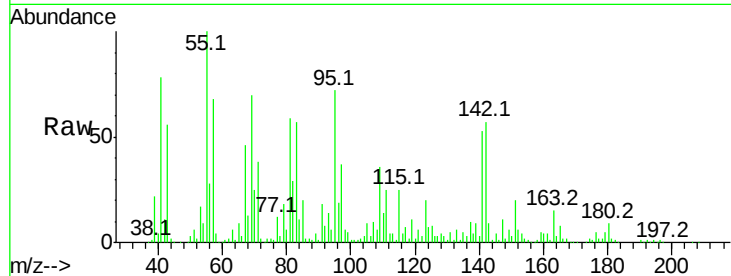
Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :
BNA_F
ClientSampleId :
HY-SB420A

Tot Ion:142 Resp: 161474

Ion	Ratio	Lower	Upper
142	100		
141	92.7	71.0	106.6
115	43.7	28.3	42.5#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 690

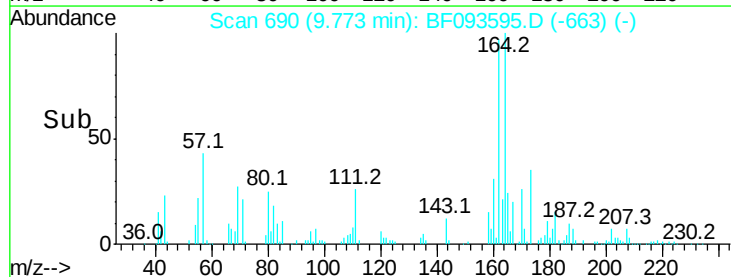
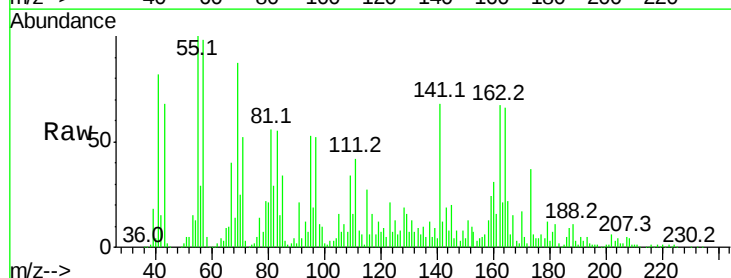
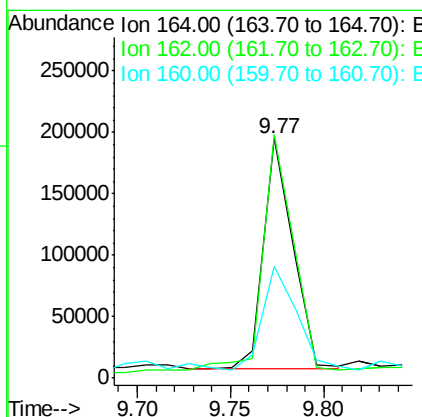
Delta R.T. 0.01 min

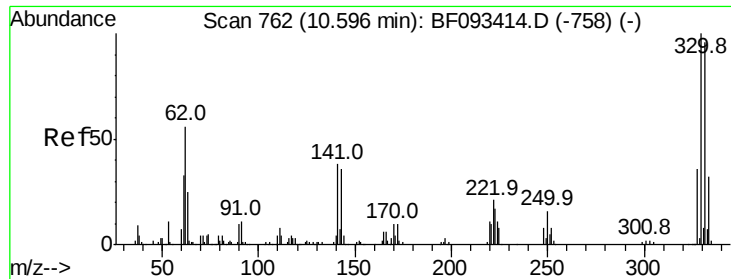
Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Tgt Ion:164 Resp: 205079

Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.2	120.2
160	46.7	36.9	55.3

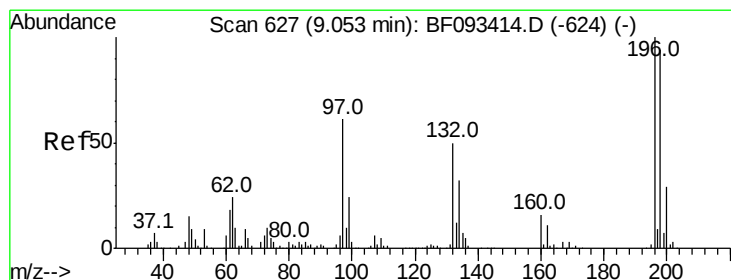
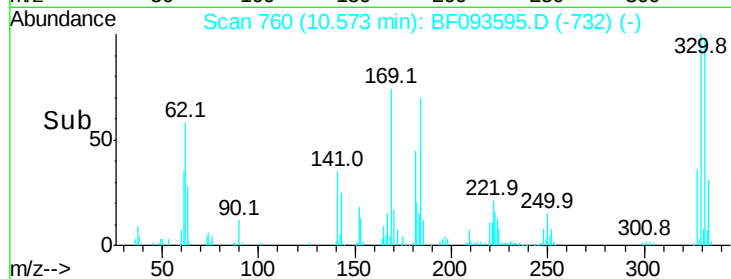
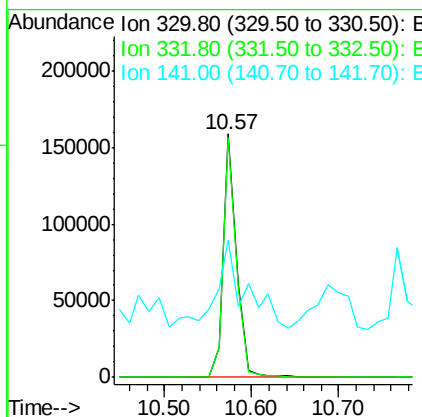
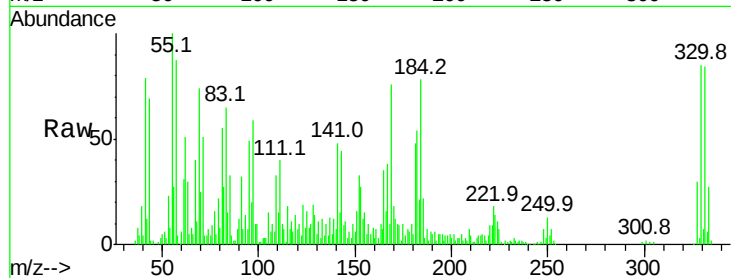




#41
 2,4,6-Tribromophenol
 Concen: 128.63 ng
 RT: 10.57 min Scan# 760
 Delta R.T. 0.02 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

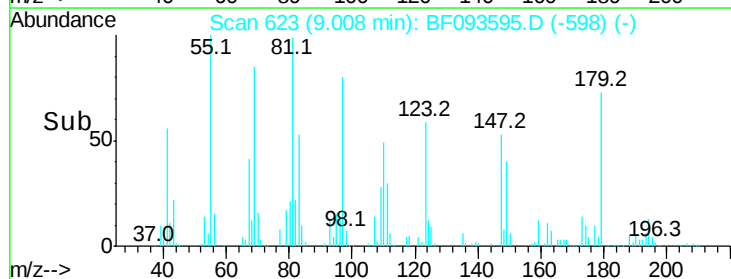
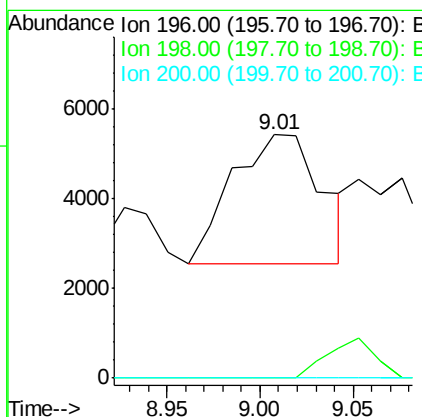
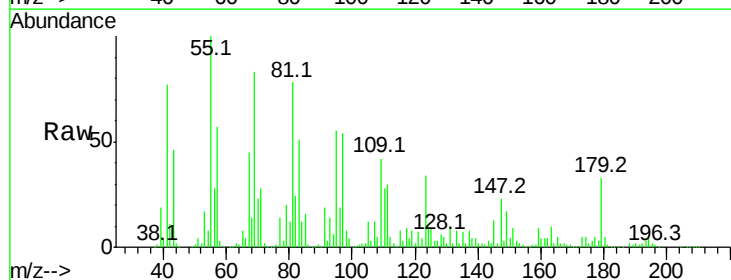
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB420A

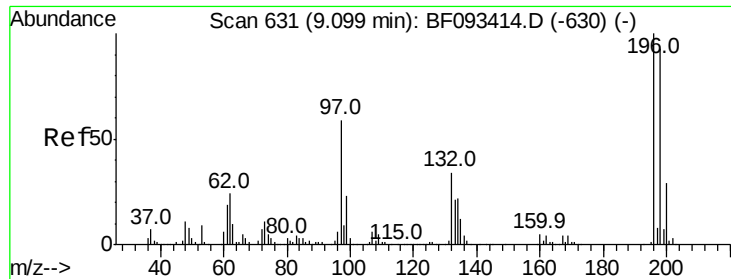
Tot Ion:330 Resp: 171864
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.4 116.2
 141 75.7 34.1 51.1#



#42
 2,4,6-Trichlorophenol
 Concen: 2.74 ng
 RT: 9.01 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Tgt Ion:196 Resp: 9603
 Ion Ratio Lower Upper
 196 100
 198 0.0 82.1 123.1#
 200 0.0 27.0 40.4#

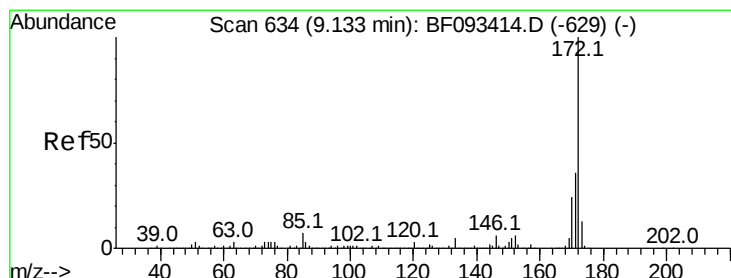
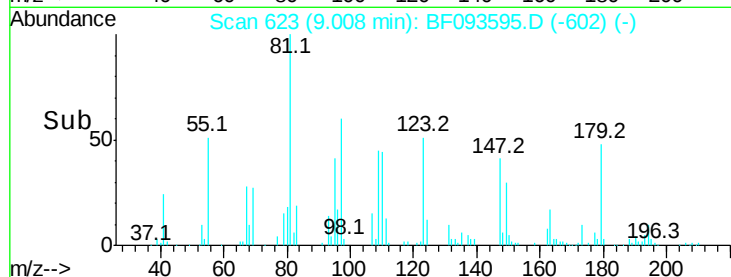
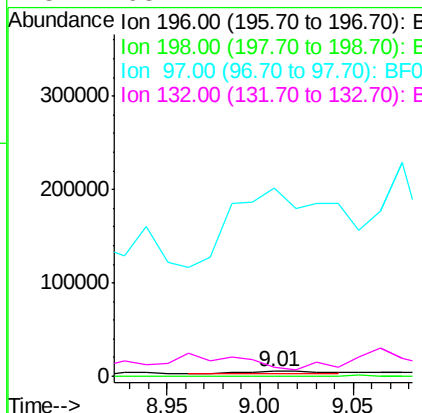
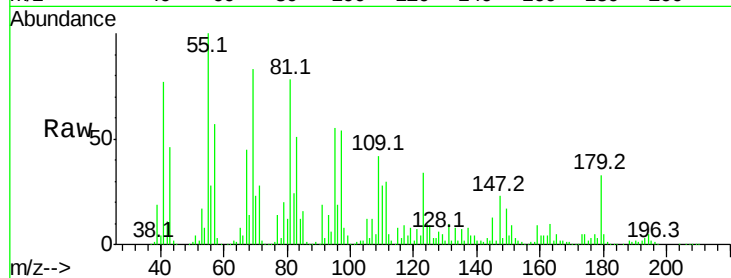




#43
 2,4,5-Trichlorophenol
 Concen: 2.56 ng
 RT: 9.01 min Scan# 623
 Delta R.T. -0.06 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

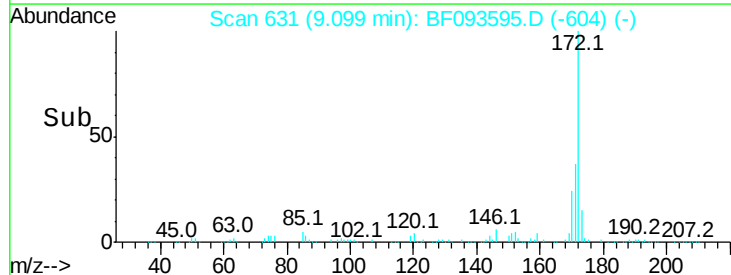
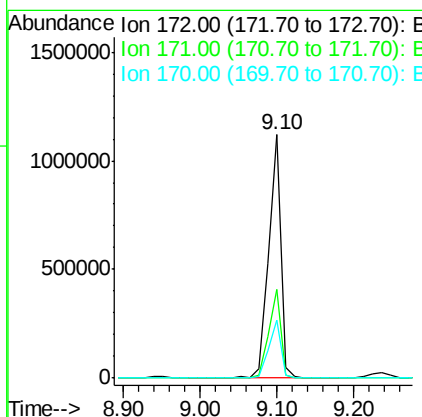
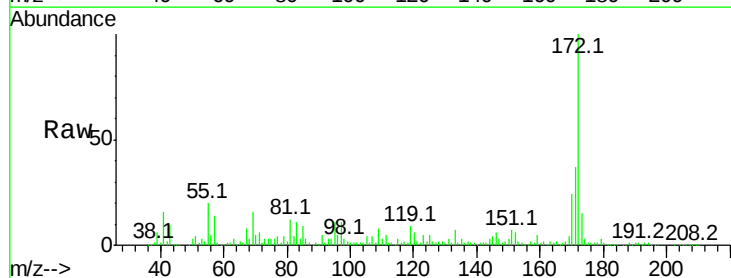
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB420A

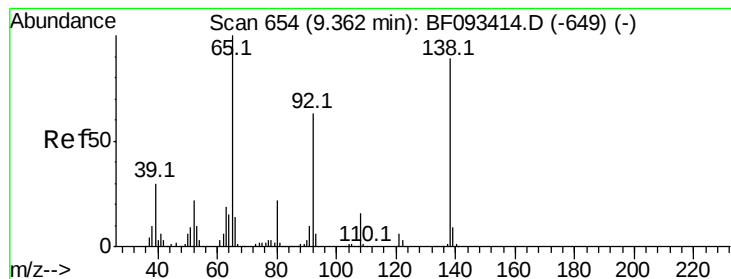
Tot Ion:196 Resp: 9603
 Ion Ratio Lower Upper
 196 100
 198 0.0 79.4 119.2#
 97 3702.6 51.5 77.3#
 132 168.2 27.4 41.2#



#44
 2-Fluorobiphenyl
 Concen: 110.77 ng
 RT: 9.10 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Tgt Ion:172 Resp: 1221277
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.1 20.2 30.4





#47

2-Nitroaniline

Concen: 2.27 ng

RT: 9.32 min Scan# 650

Delta R.T. -0.01 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :

BNA_F

ClientSampleId :

HY-SB420A

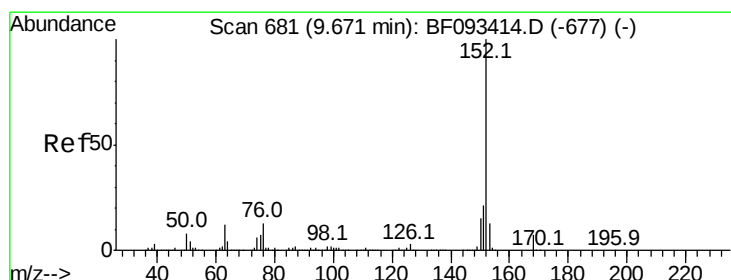
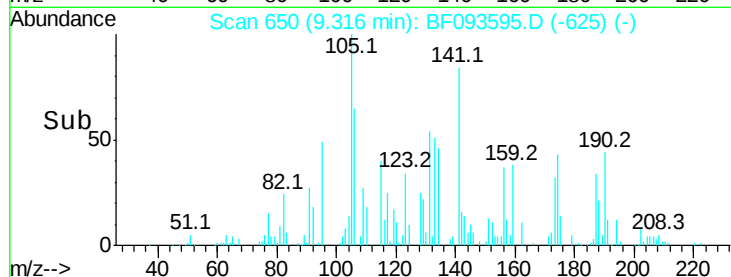
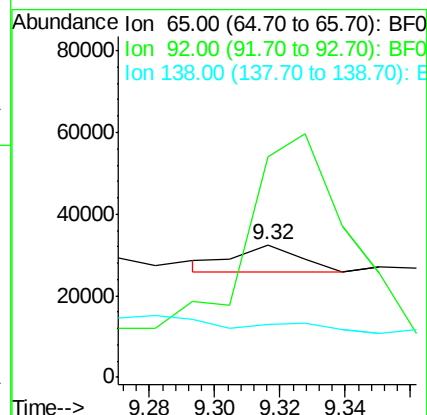
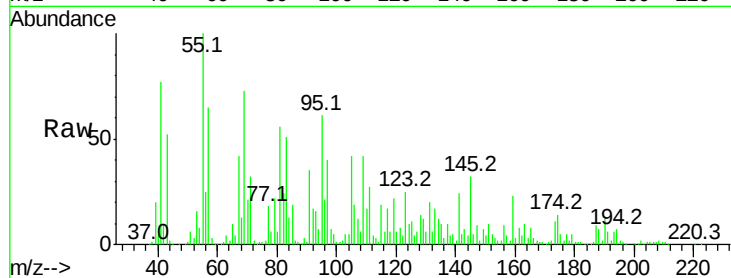
Tot Ion: 65 Resp: 9195

Ion Ratio Lower Upper

65 100

92 166.0 53.9 80.9#

138 40.2 76.8 115.2#



#48

Acenaphthylene

Concen: 4.54 ng

RT: 9.64 min Scan# 678

Delta R.T. 0.01 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

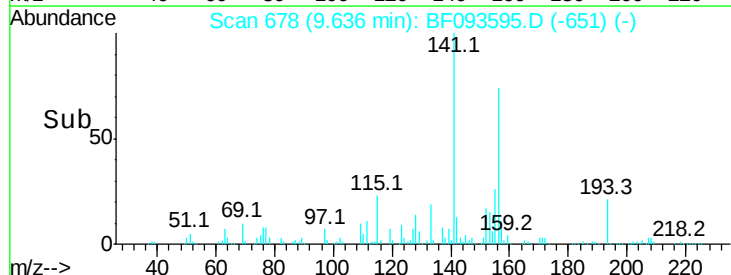
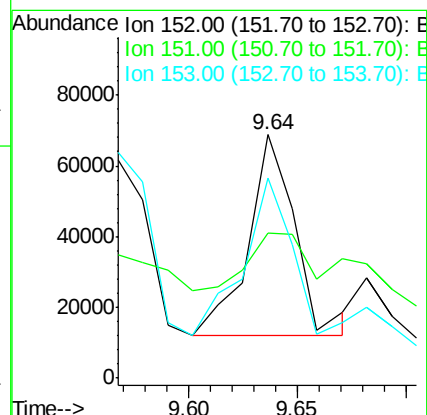
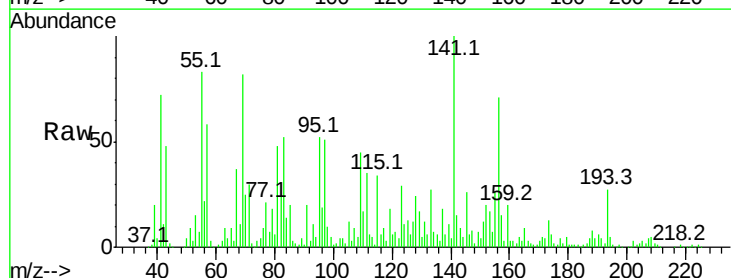
Tgt Ion: 152 Resp: 85709

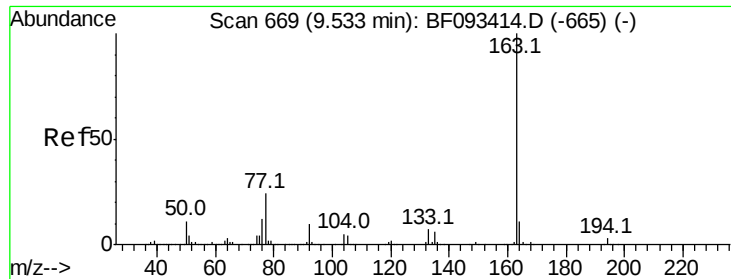
Ion Ratio Lower Upper

152 100

151 59.4 16.9 25.3#

153 82.4 11.4 17.2#

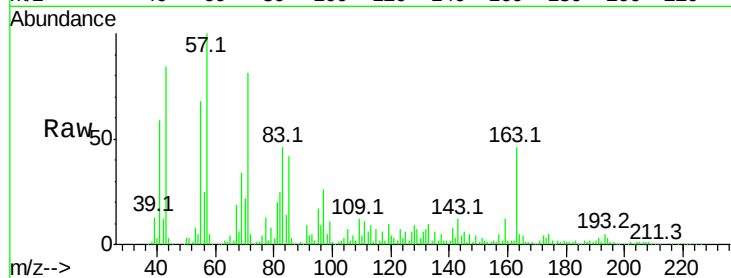




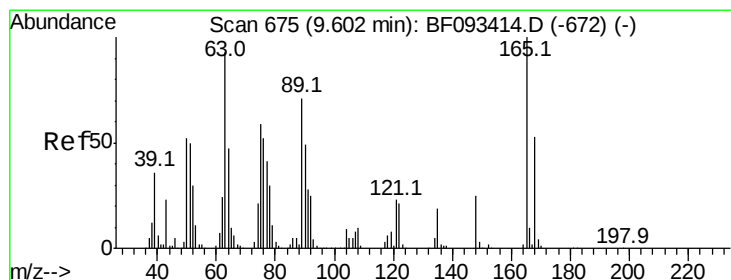
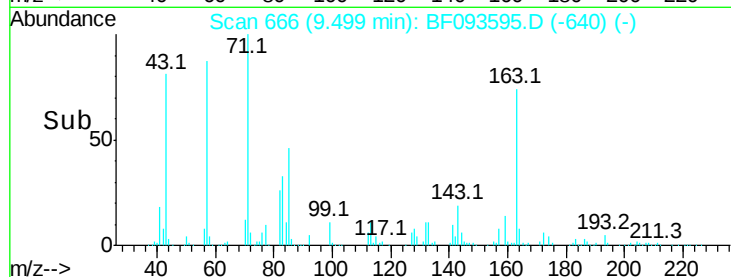
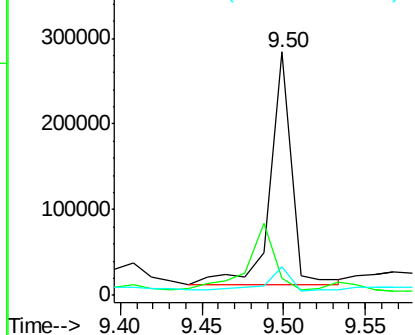
#49
Dimethylphthalate
Concen: 17.97 ng
RT: 9.50 min Scan# 666
Delta R.T. -0.00 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Instrument :
BNA_F
ClientSampleId :
HY-SB420A

Tot Ion:163 Resp: 244286
Ion Ratio Lower Upper
163 100
194 7.2 3.0 4.4#
164 11.8 8.0 12.0

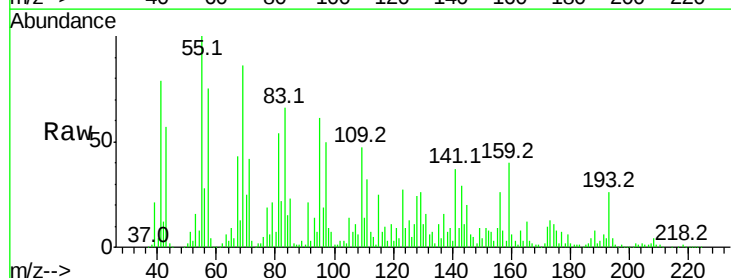


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

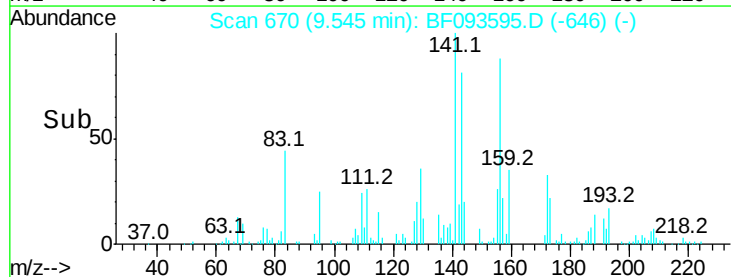
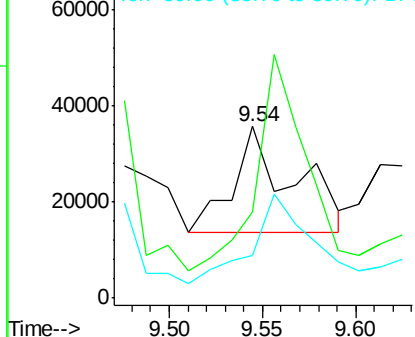


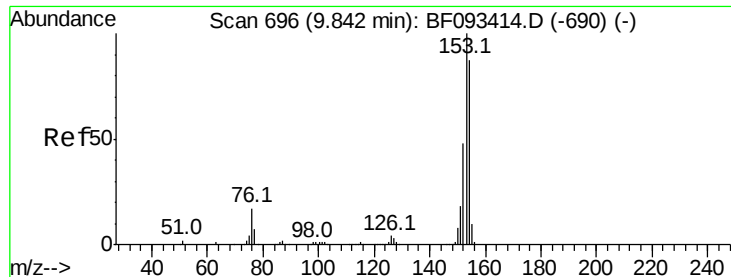
#50
2,6-Dinitrotoluene
Concen: 16.51 ng
RT: 9.54 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Tgt Ion:165 Resp: 49252
Ion Ratio Lower Upper
165 100
63 50.4 36.2 54.4
89 25.2 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: 13.79 ng

RT: 9.81 min Scan# 693

Delta R.T. 0.01 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :

BNA_F

ClientSampleId :

HY-SB420A

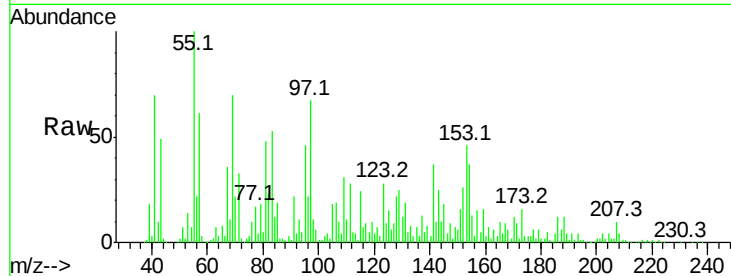
Tot Ion:154 Resp: 153774

Ion Ratio Lower Upper

154 100

153 123.4 88.6 133.0

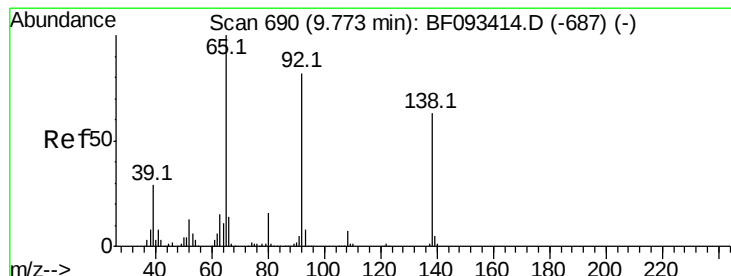
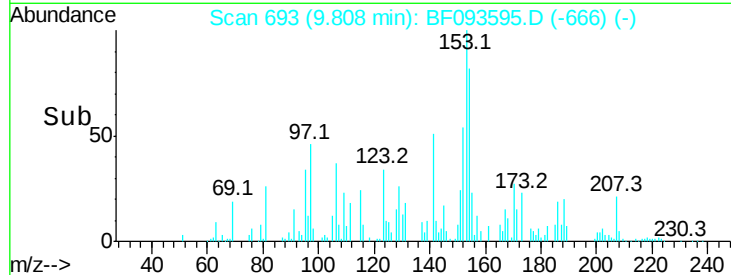
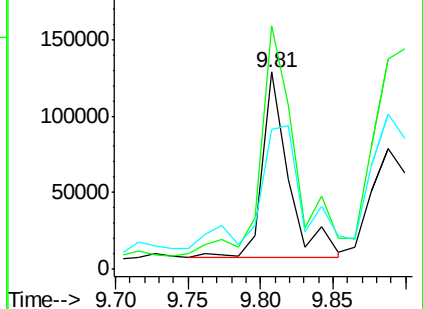
152 70.8 41.6 62.4#



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: 10.39 ng

RT: 9.72 min Scan# 685

Delta R.T. -0.02 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

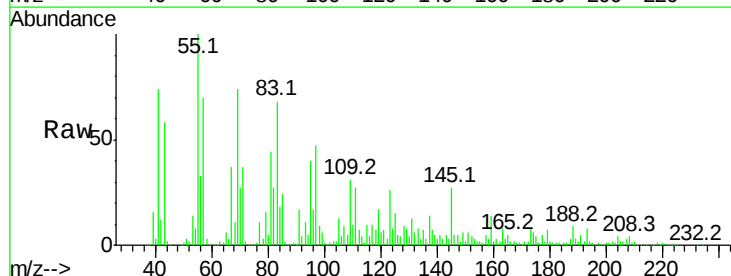
Tgt Ion:138 Resp: 37250

Ion Ratio Lower Upper

138 100

108 71.6 8.5 12.7#

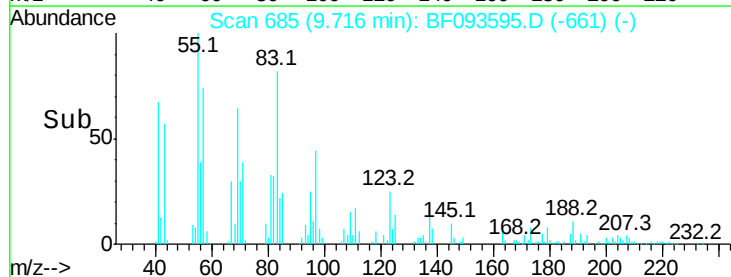
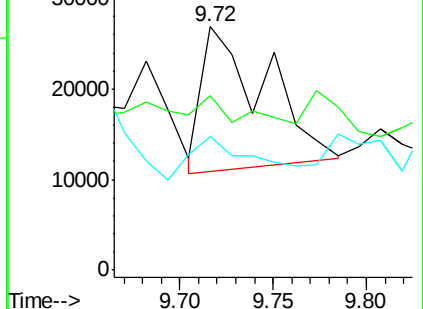
92 55.0 97.8 146.8#

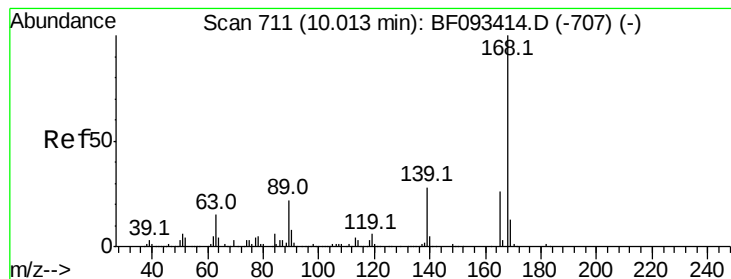


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#54

Dibenzofuran

Concen: 7.10 ng

RT: 9.99 min Scan# 709

Delta R.T. 0.02 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :

BNA_F

ClientSampleId :

HY-SB420A

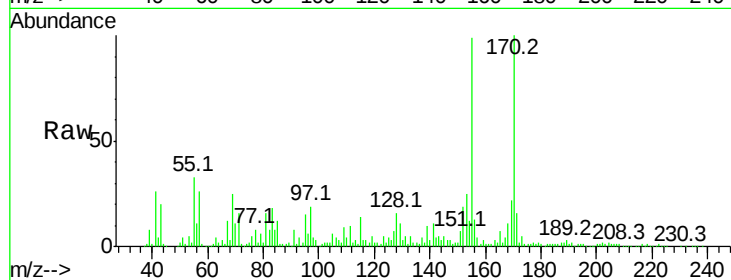
Tot Ion:168 Resp: 99058

Ion Ratio Lower Upper

168 100

139 89.8 32.6 49.0#

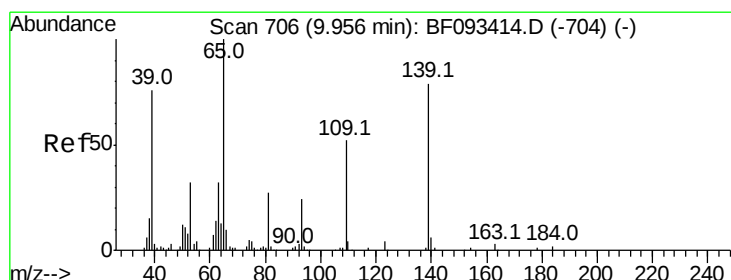
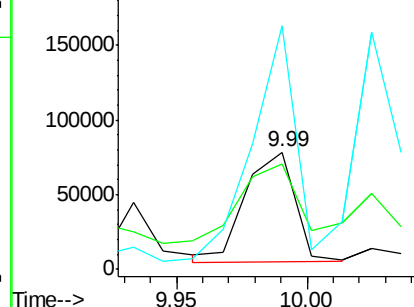
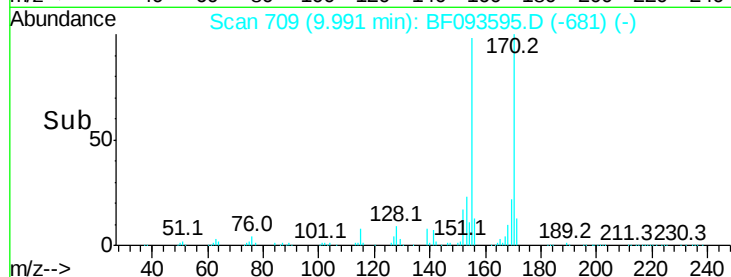
169 207.3 11.3 16.9#



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



#55

4-Nitrophenol

Concen: 55.27 ng

RT: 9.99 min Scan# 709

Delta R.T. 0.06 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

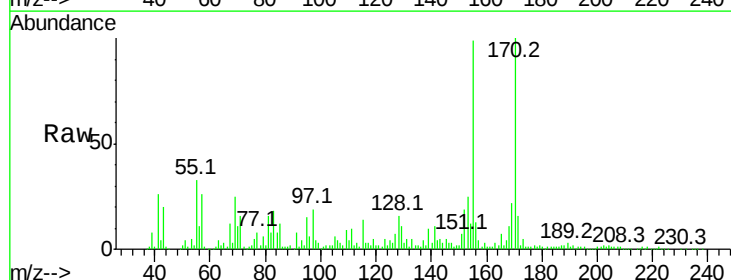
Tgt Ion:139 Resp: 96208

Ion Ratio Lower Upper

139 100

109 97.0 52.2 92.2#

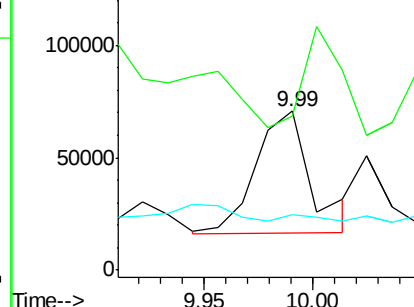
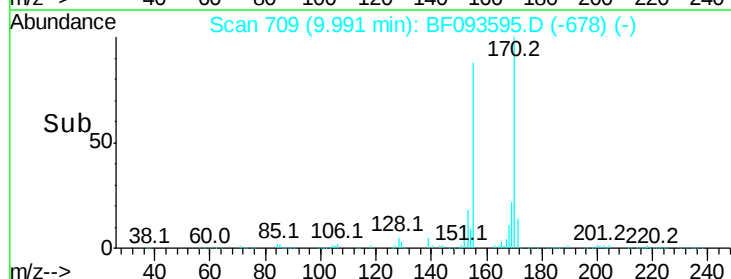
65 35.2 85.8 125.8#

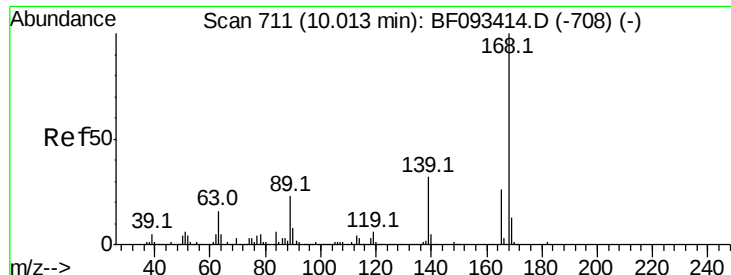


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 13.05 ng

RT: 9.99 min Scan# 709

Delta R.T. 0.01 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :

BNA_F

ClientSampleId :

HY-SB420A

Tot Ion:165 Resp: 47827

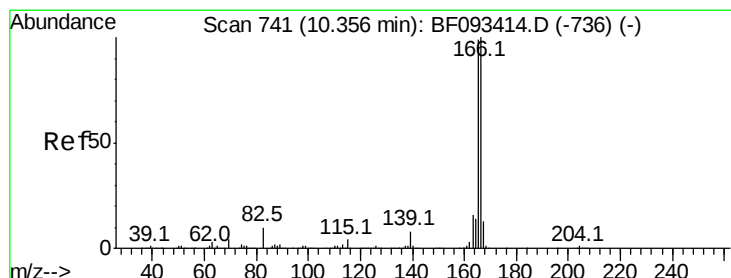
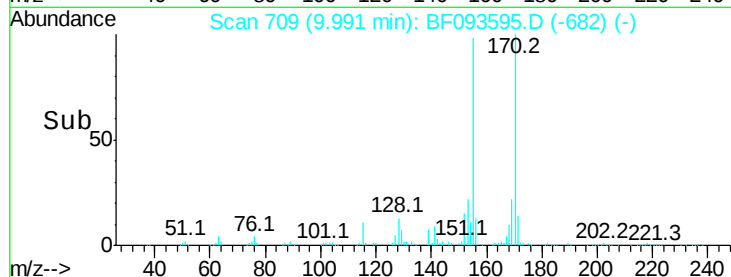
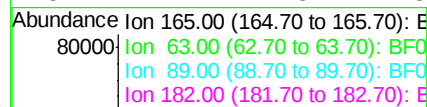
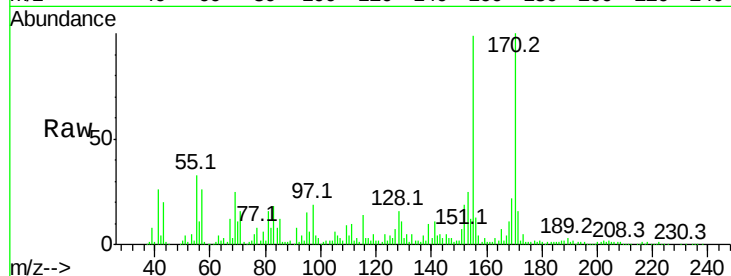
Ion Ratio Lower Upper

165 100

63 60.1 40.2 60.4

89 31.2 62.5 93.7#

182 12.7 1.8 2.8#



#57

Fluorene

Concen: 21.45 ng

RT: 10.33 min Scan# 739

Delta R.T. 0.02 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

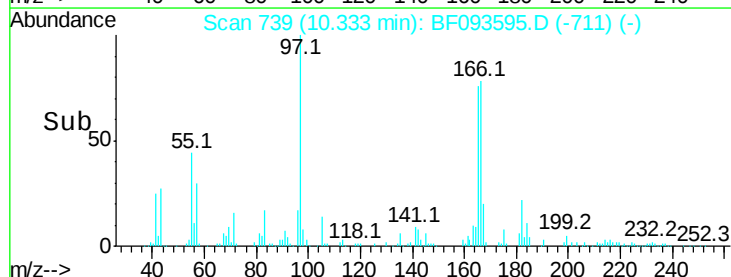
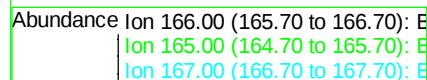
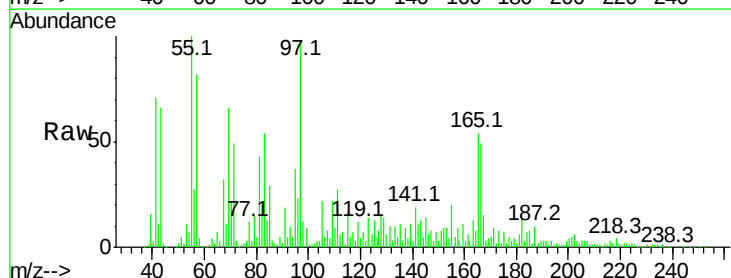
Tgt Ion:166 Resp: 253692

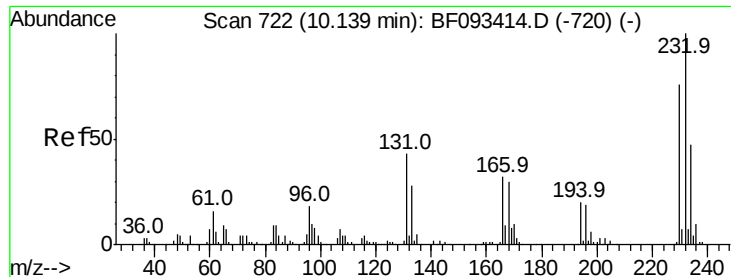
Ion Ratio Lower Upper

166 100

165 111.3 77.8 116.8

167 30.5 10.8 16.2#

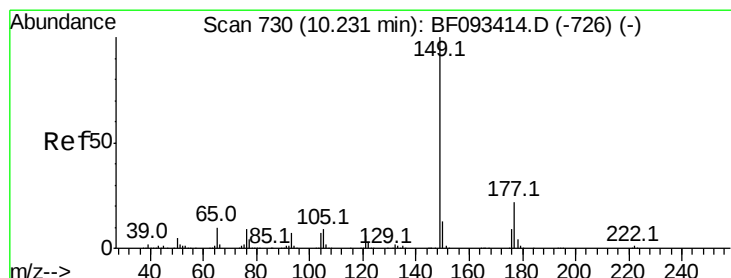
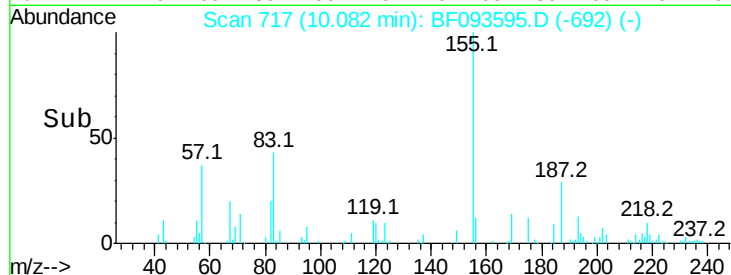
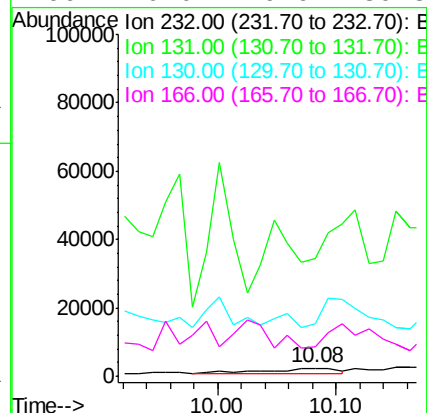
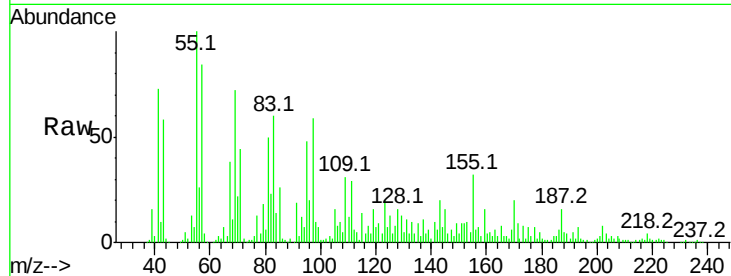




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 2.22 ng
 RT: 10.08 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

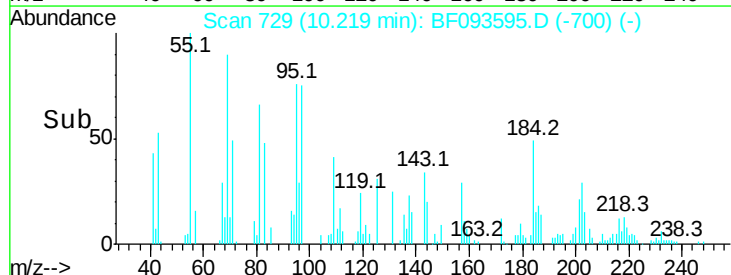
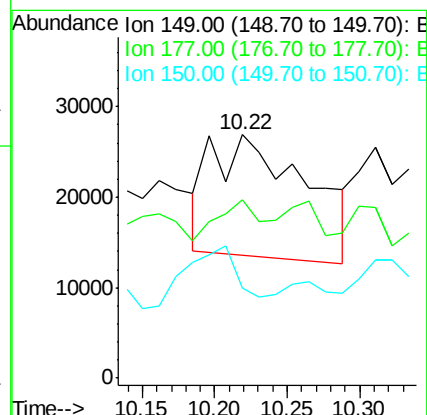
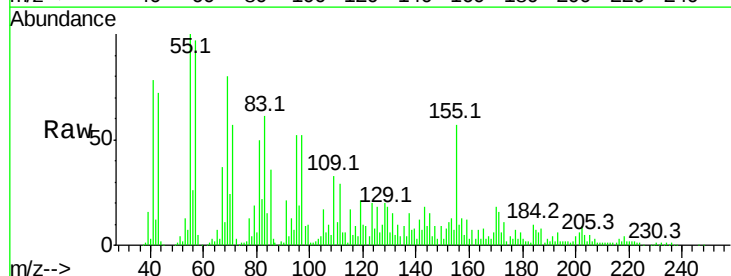
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB420A

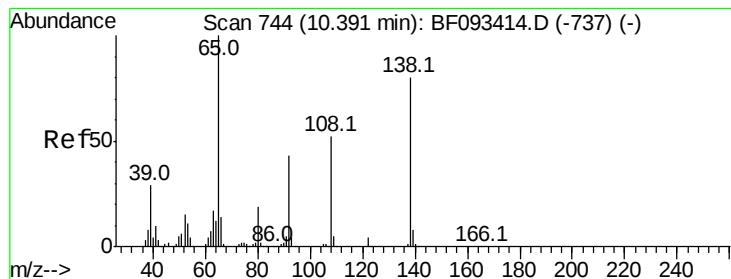
Tot Ion:232 Resp: 5880
 Ion Ratio Lower Upper
 232 100
 131 0.0 40.1 60.1#
 130 363.6 1.8 2.8#
 166 0.0 26.6 39.8#



#59
 Diethylphthalate
 Concen: 4.69 ng
 RT: 10.22 min Scan# 729
 Delta R.T. 0.03 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Tgt Ion:149 Resp: 60974
 Ion Ratio Lower Upper
 149 100
 177 73.1 16.6 25.0#
 150 37.2 10.4 15.6#





#61

4-Nitroaniline

Concen: 10.29 ng

RT: 10.23 min Scan# 730

Delta R.T. -0.13 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :

BNA_F

ClientSampleId :

HY-SB420A

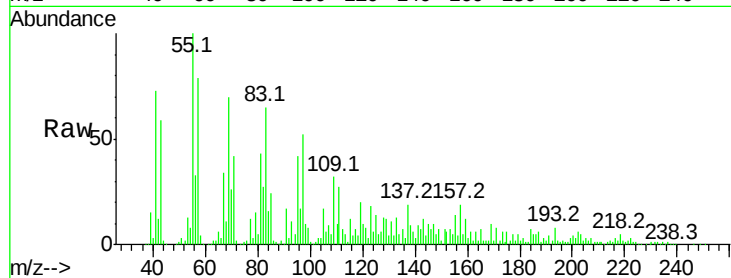
Tot Ion:138 Resp: 37707

Ion Ratio Lower Upper

138 100

92 39.9 31.7 71.7

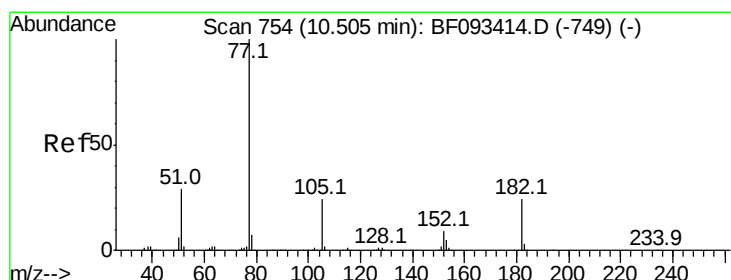
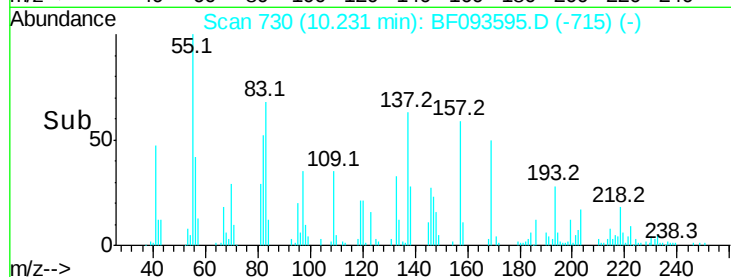
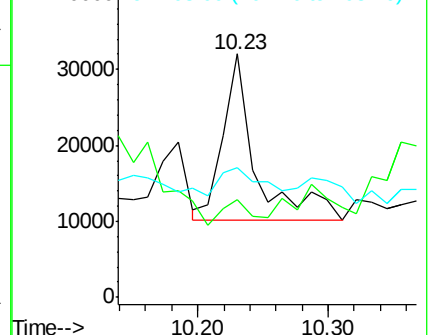
108 53.3 52.6 92.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 4.60 ng

RT: 10.47 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Tgt Ion: 77 Resp: 67873

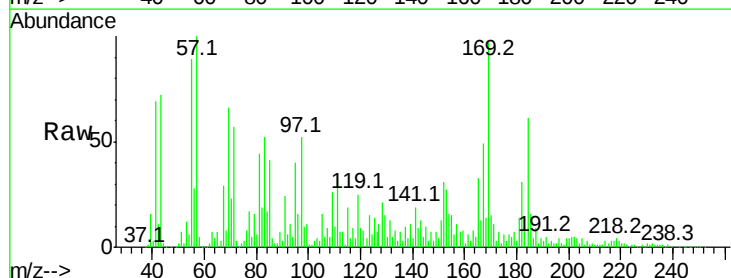
Ion Ratio Lower Upper

77 100

182 175.7 0.0 39.3#

105 93.0 2.3 42.3#

51 39.4 8.9 48.9

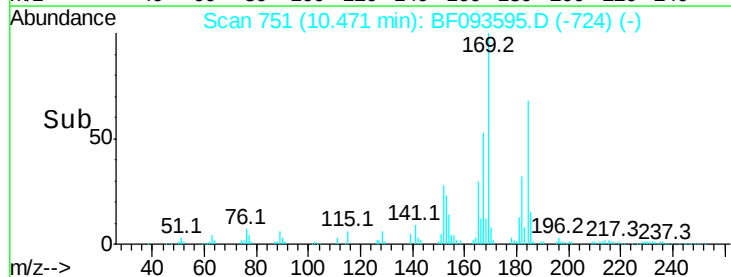
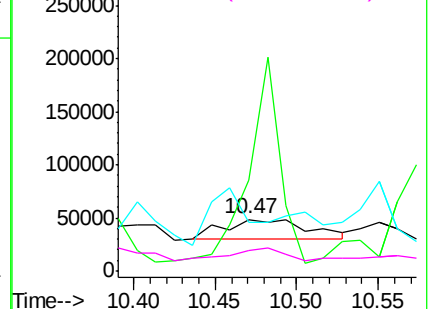


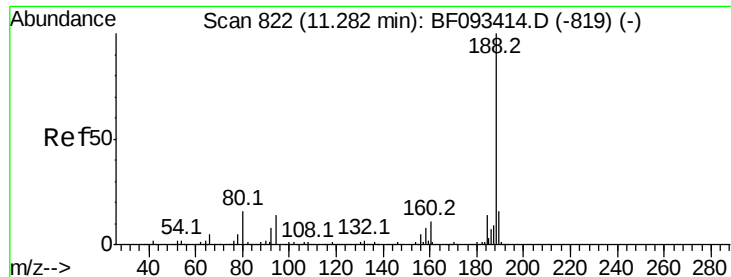
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.26 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :

BNA_F

ClientSampleId :

HY-SB420A

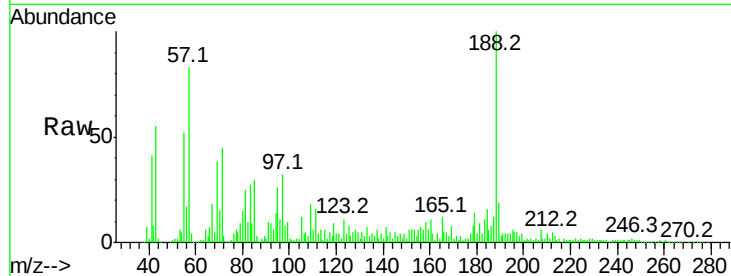
Tot Ion:188 Resp: 368027

Ion Ratio Lower Upper

188 100

94 14.5 10.0 15.0

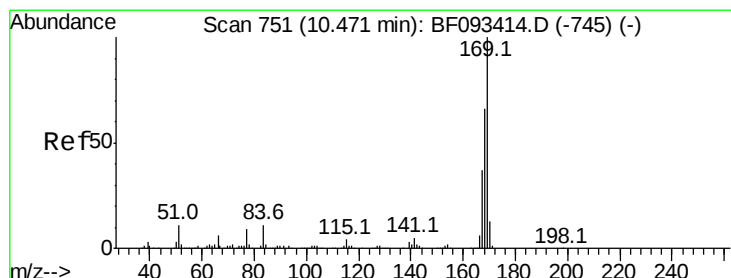
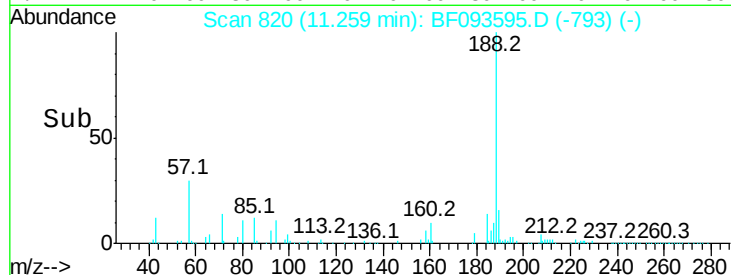
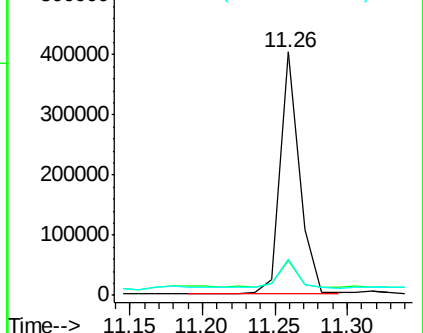
80 14.7 11.2 16.8



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



#65

n-Nitrosodiphenylamine

Concen: 40.58 ng

RT: 10.41 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

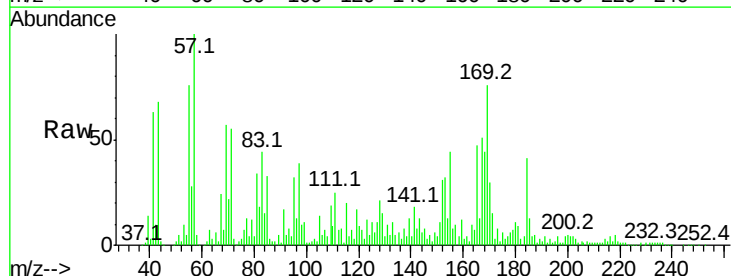
Tgt Ion:169 Resp: 498700

Ion Ratio Lower Upper

169 100

168 57.4 54.2 81.2

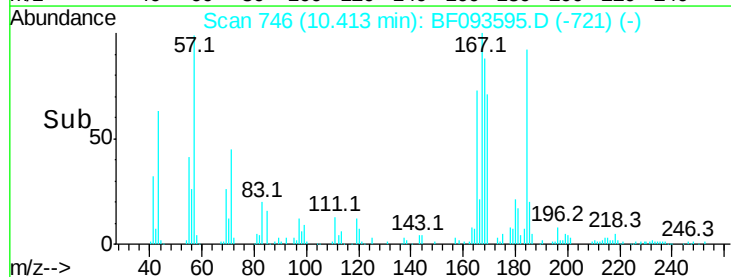
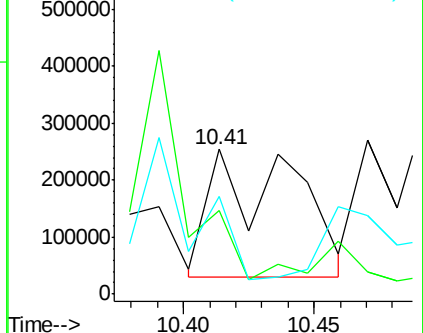
167 67.2 30.2 45.4#

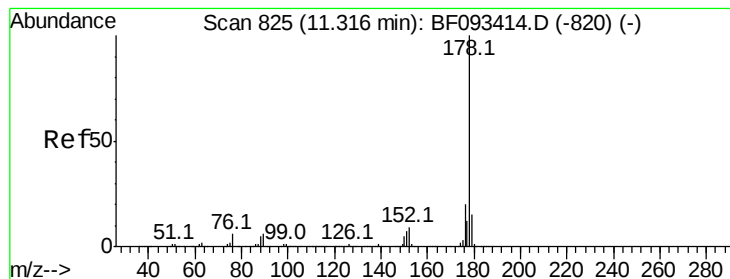


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 29.18 ng

RT: 11.28 min Scan# 822

Delta R.T. 0.01 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :

BNA_F

ClientSampleId :

HY-SB420A

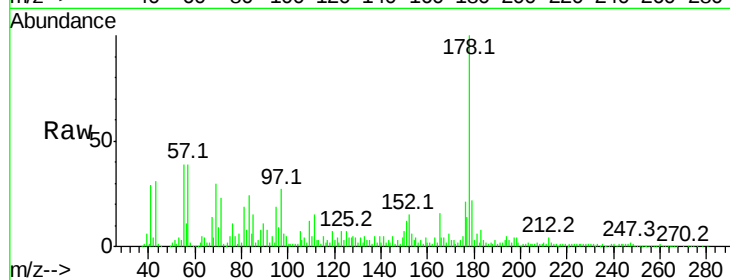
Tot Ion:178 Resp: 613044

Ion Ratio Lower Upper

178 100

176 20.6 16.6 25.0

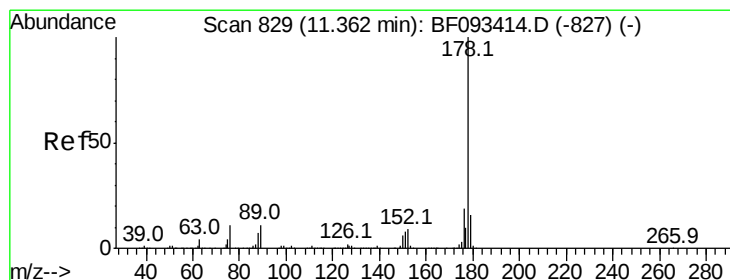
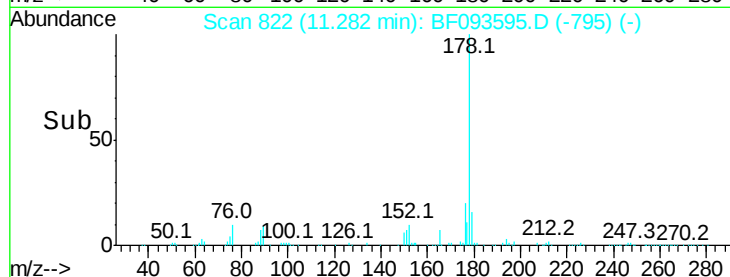
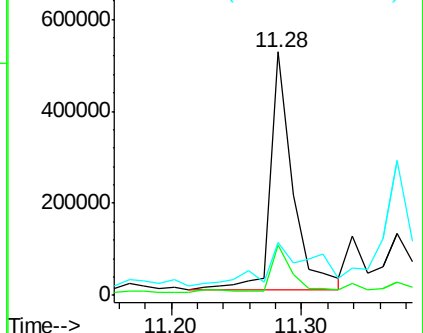
179 21.6 12.8 19.2#



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: 3.31 ng

RT: 11.34 min Scan# 827

Delta R.T. 0.02 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

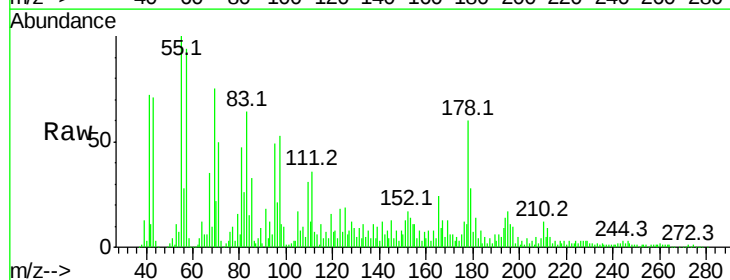
Tgt Ion:178 Resp: 70433

Ion Ratio Lower Upper

178 100

176 20.0 15.9 23.9

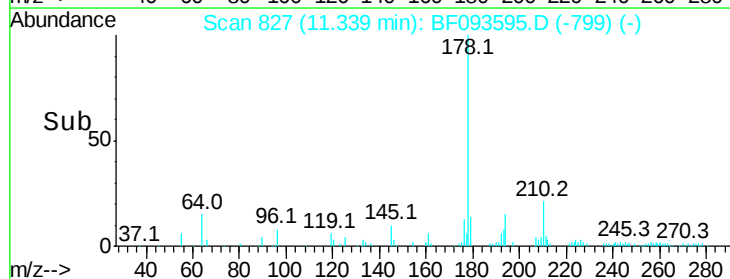
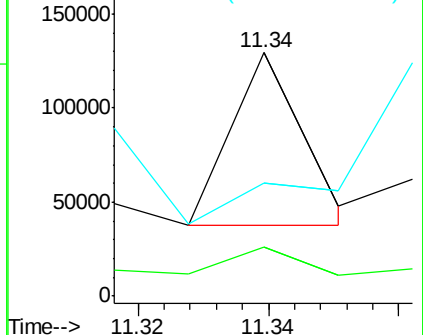
179 46.3 13.2 19.8#

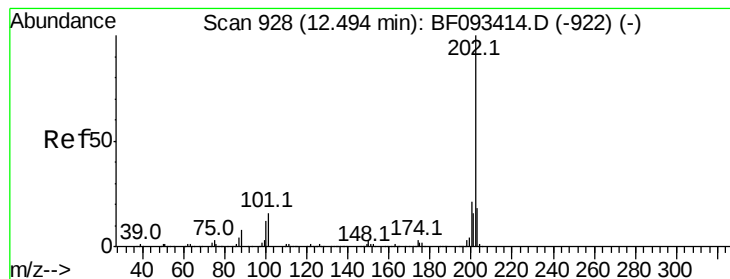


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.90 ng

RT: 12.47 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

Instrument :

BNA_F

ClientSampleId :

HY-SB420A

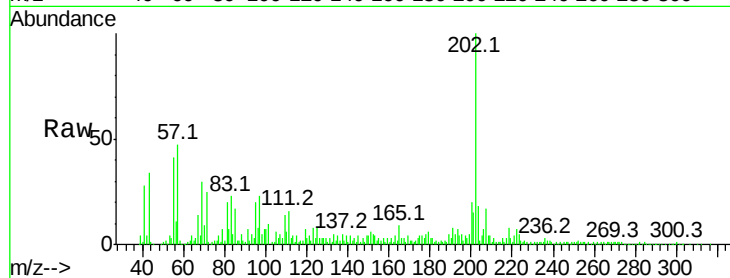
Tot Ion:202 Resp: 281978

Ion Ratio Lower Upper

202 100

101 9.9 0.0 34.6

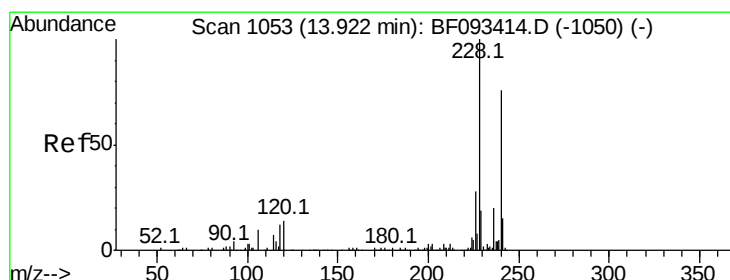
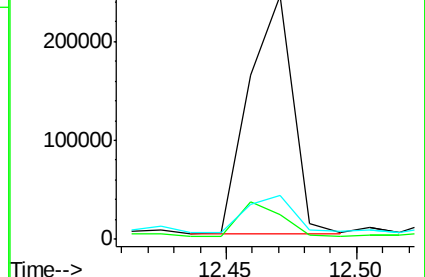
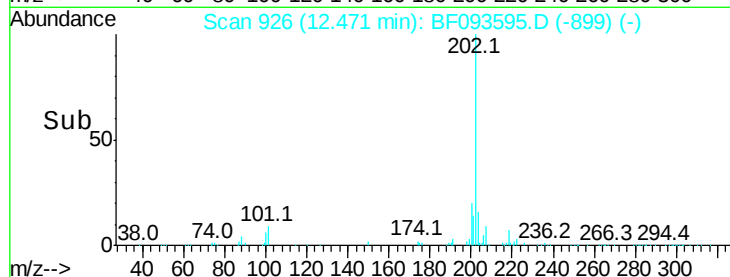
203 18.3 0.0 38.7



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: 13.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BF093595.D

Acq: 12 Mar 2017 7:11

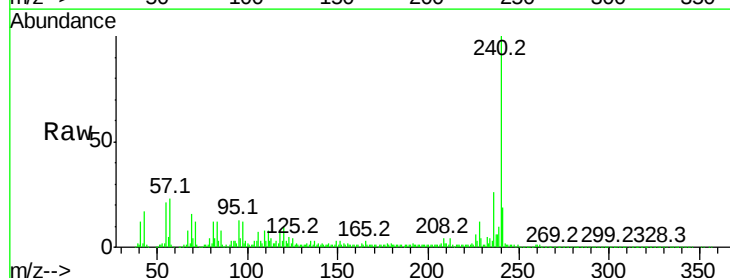
Tgt Ion:240 Resp: 355422

Ion Ratio Lower Upper

240 100

120 10.0 12.9 19.3#

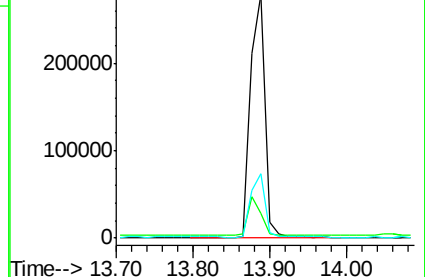
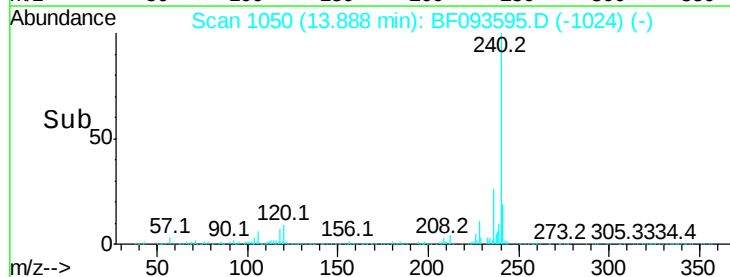
236 26.3 20.9 31.3

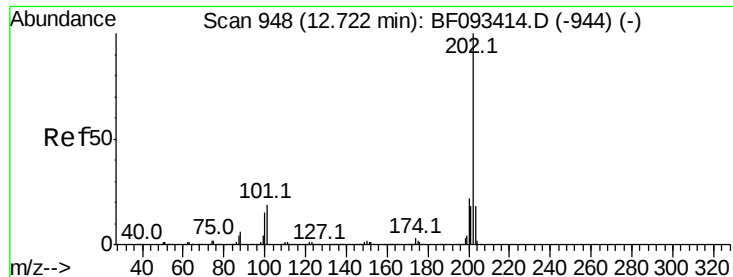


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

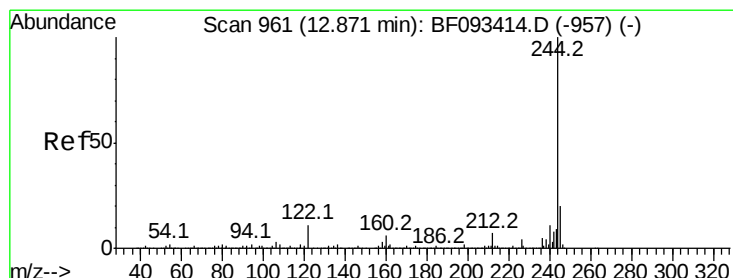
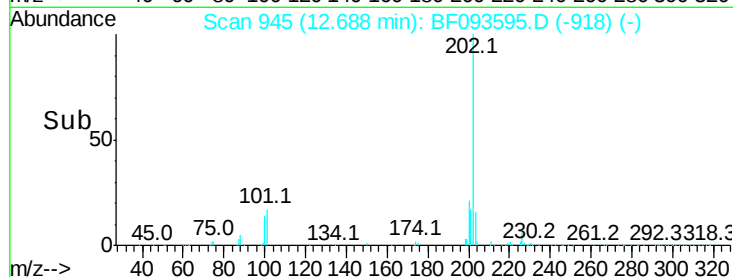
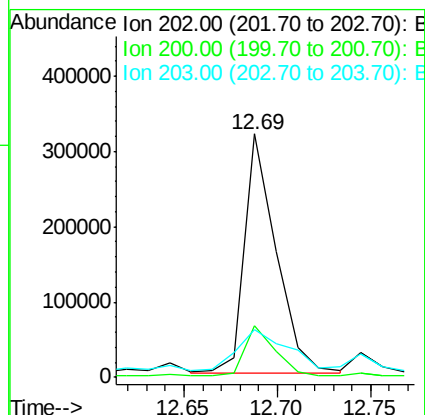
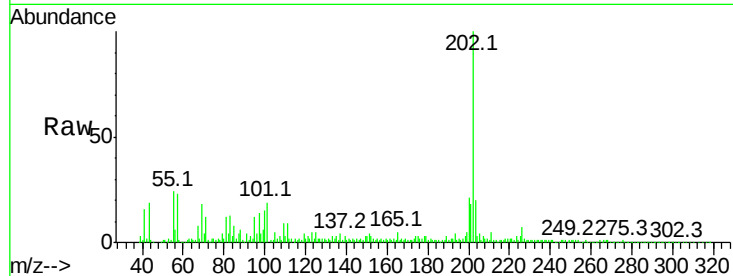




#77
Pvrene
Concen: 14.39 ng
RT: 12.69 min Scan# 945
Delta R.T. 0.01 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

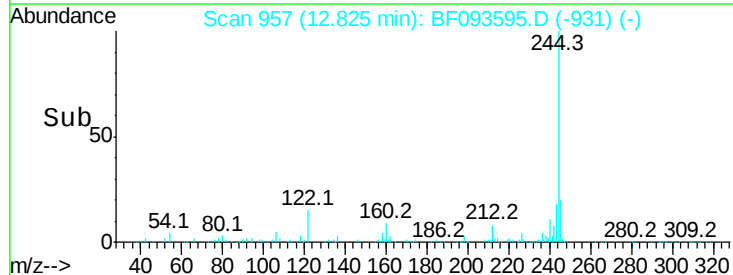
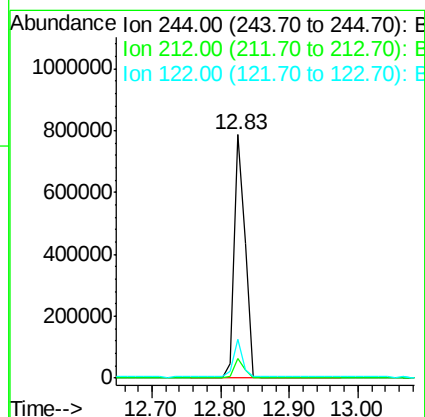
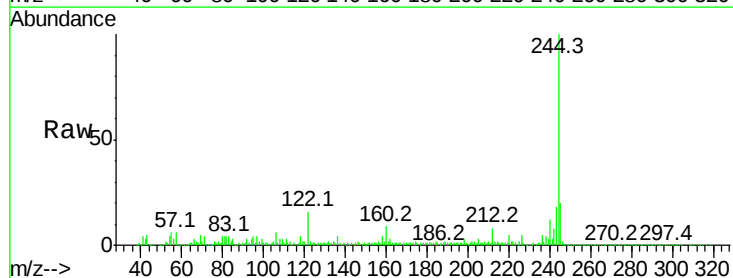
Instrument :
BNA_F
ClientSampleId :
HY-SB420A

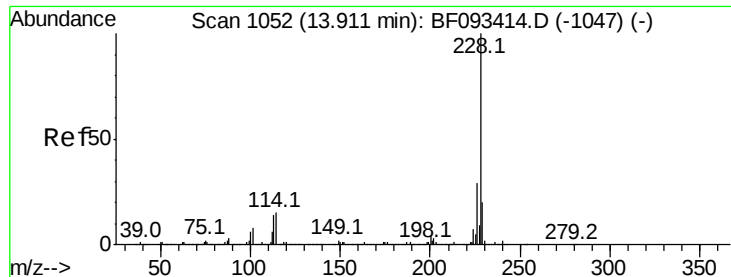
Tot Ion:202 Resp: 371992
Ion Ratio Lower Upper
202 100
200 21.1 17.7 26.5
203 19.7 14.7 22.1



#78
Terphenyl-d14
Concen: 64.50 ng
RT: 12.83 min Scan# 957
Delta R.T. -0.00 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Tgt Ion:244 Resp: 881744
Ion Ratio Lower Upper
244 100
212 8.2 6.2 9.2
122 15.7 11.4 17.2

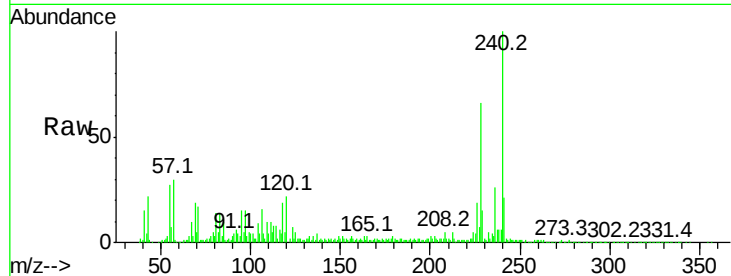




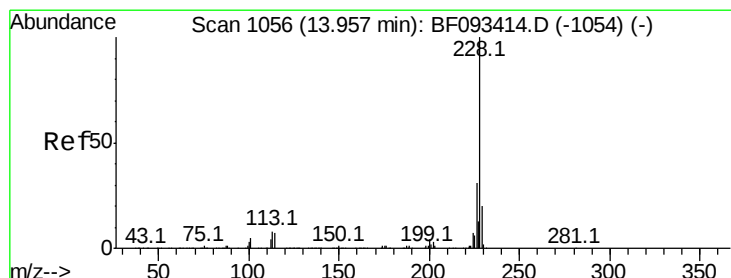
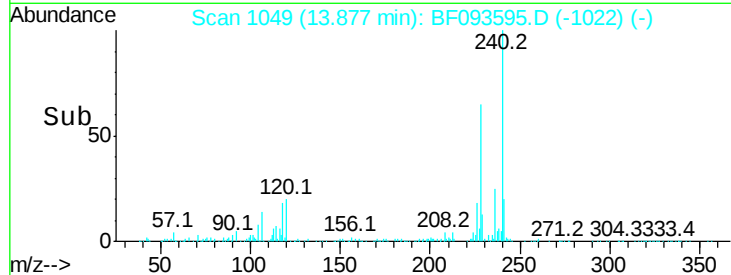
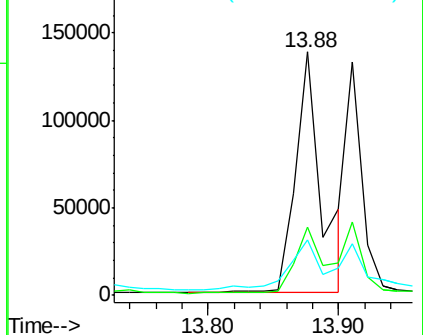
#80
Benzo(a)anthracene
Concen: 9.09 ng
RT: 13.88 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Instrument :
BNA_F
ClientSampleId :
HY-SB420A

Tot Ion:228 Resp: 190886
Ion Ratio Lower Upper
228 100
226 28.3 22.4 33.6
229 22.7 16.2 24.4

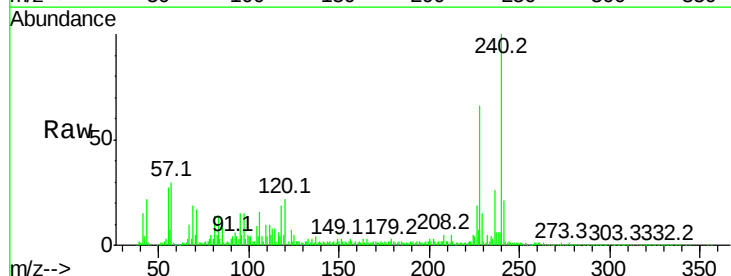


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

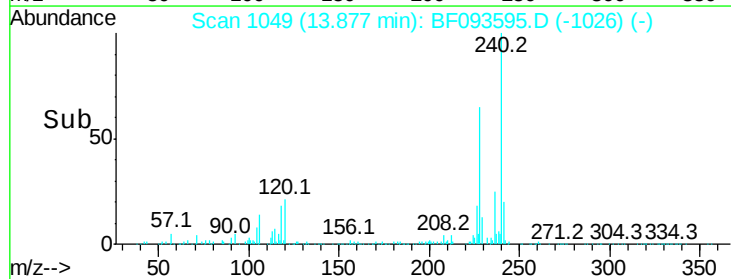
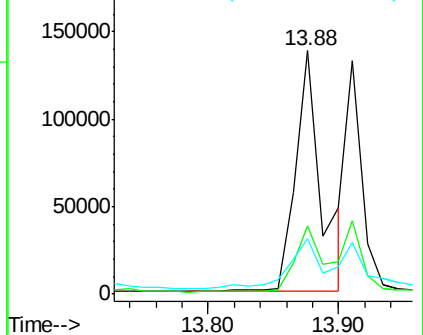


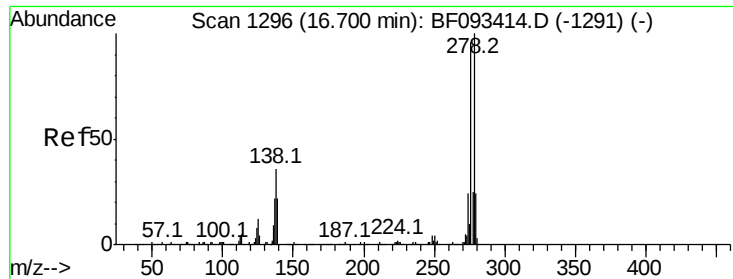
#82
Chrysene
Concen: 9.83 ng
RT: 13.88 min Scan# 1049
Delta R.T. -0.03 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Tgt Ion:228 Resp: 190886
Ion Ratio Lower Upper
228 100
226 28.3 25.4 38.0
229 22.7 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

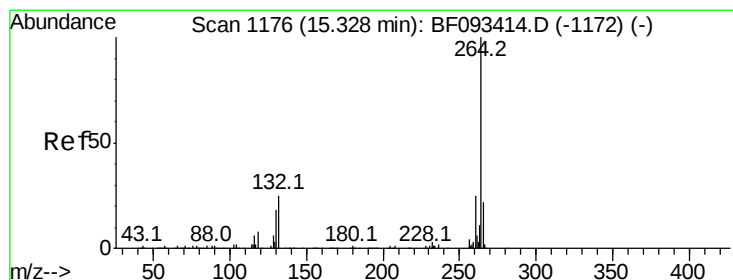
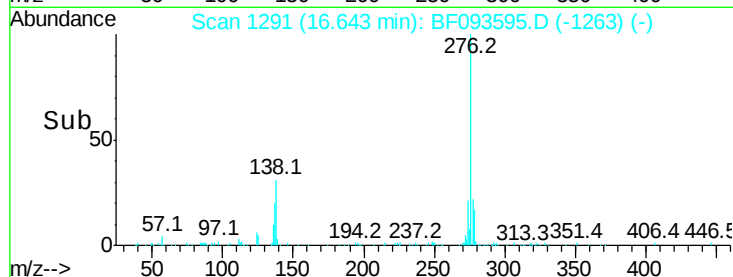
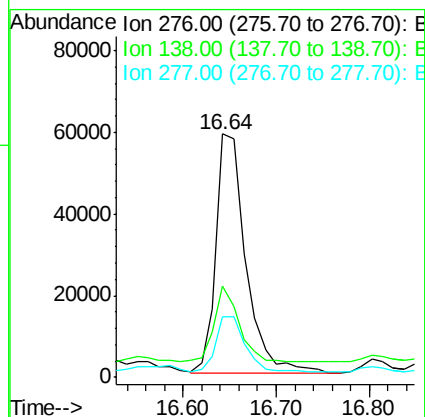
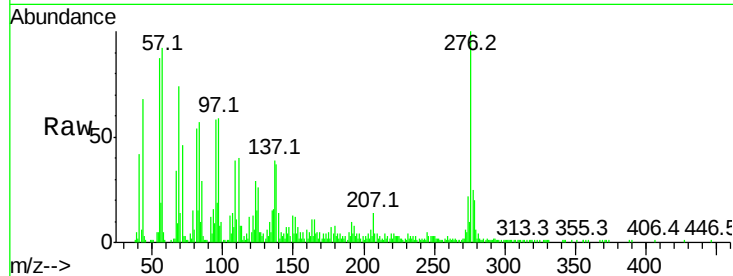




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.01 ng
 RT: 16.64 min Scan# 1291
 Delta R.T. 0.02 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

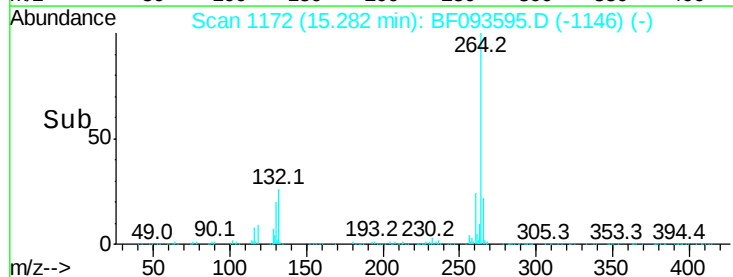
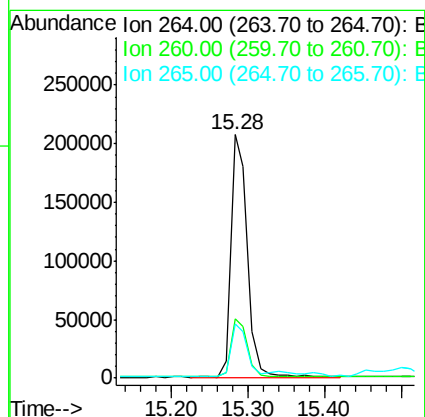
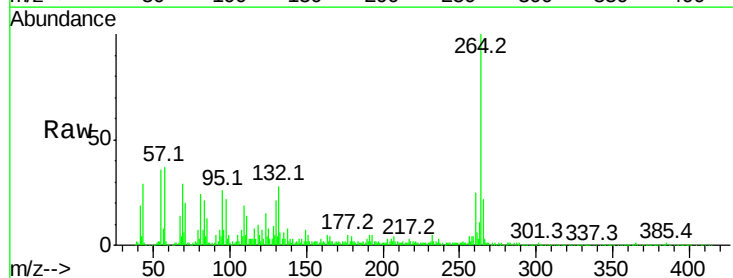
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB420A

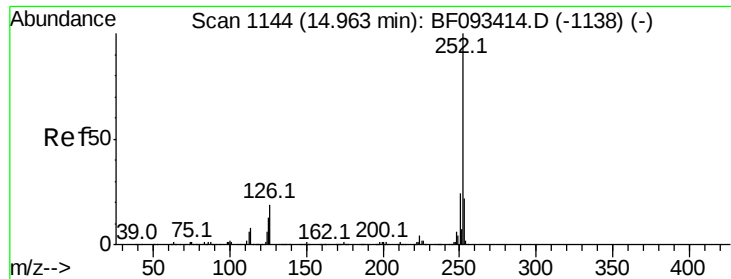
Tot Ion:276 Resp: 130233
 Ion Ratio Lower Upper
 276 100
 138 25.9 21.8 32.6
 277 23.7 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Tgt Ion:264 Resp: 314323
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.2 28.8
 265 22.1 17.4 26.0

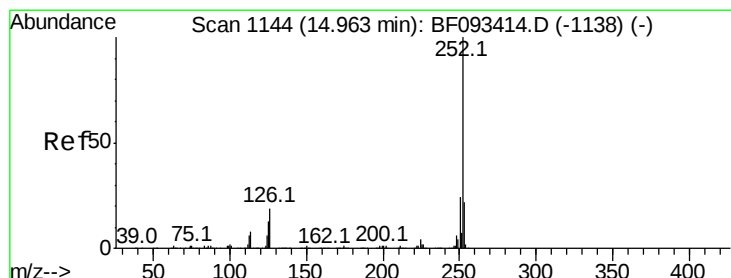
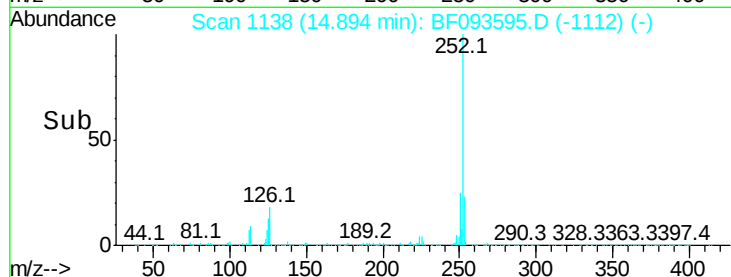
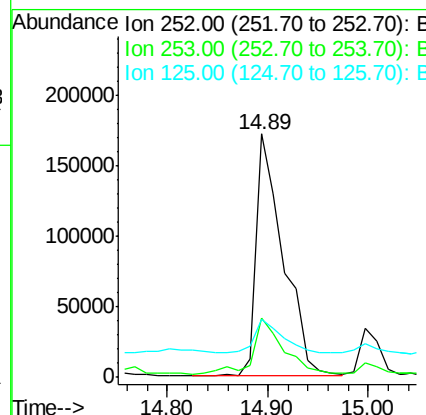
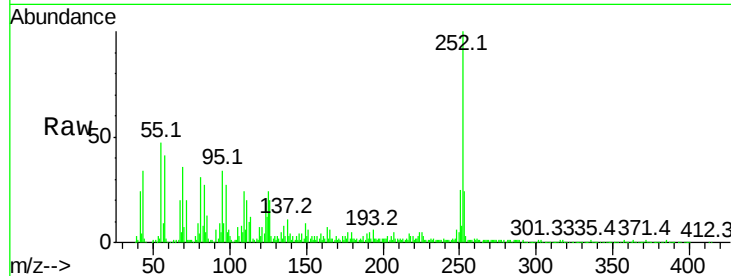




#87
Benzo(b)fluoranthene
Concen: 16.66 ng
RT: 14.89 min Scan# 1138
Delta R.T. -0.00 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

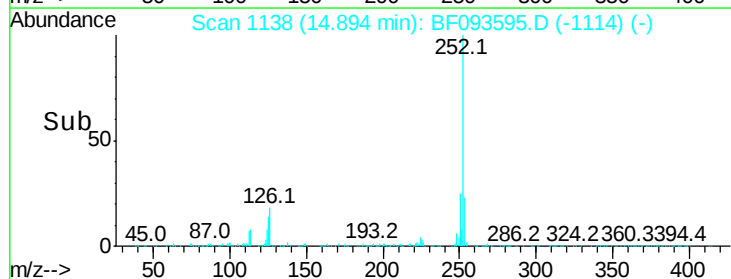
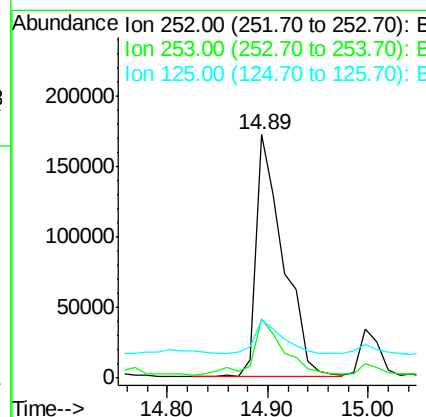
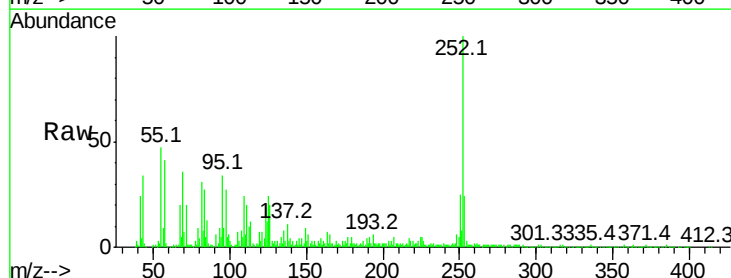
Instrument :
BNA_F
ClientSampleId :
HY-SB420A

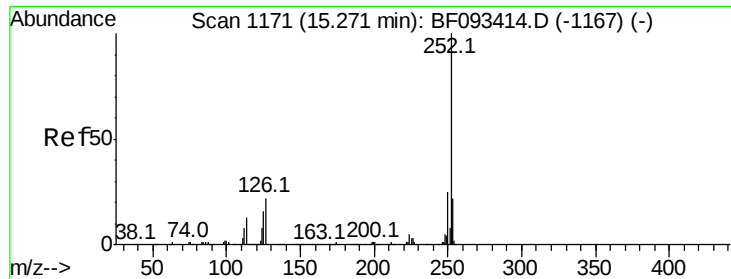
Tot Ion:252 Resp: 318970
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.4
125 23.7 9.8 14.6#



#88
Benzo(k)fluoranthene
Concen: 17.28 ng
RT: 14.89 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Tgt Ion:252 Resp: 318970
Ion Ratio Lower Upper
252 100
253 24.4 18.5 27.7
125 23.7 8.9 13.3#

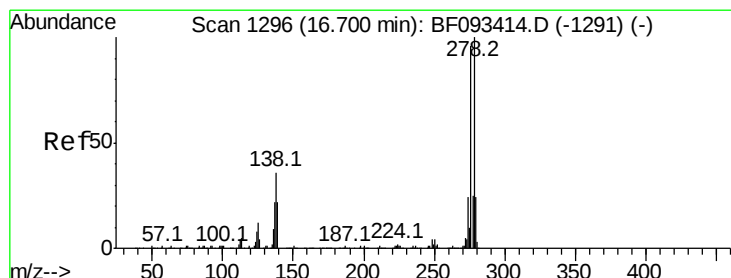
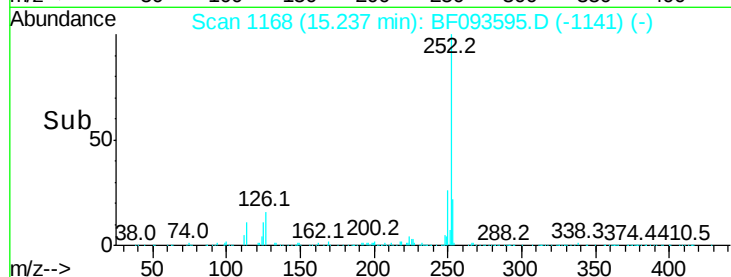
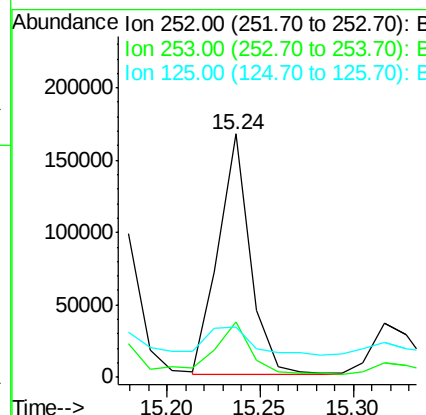
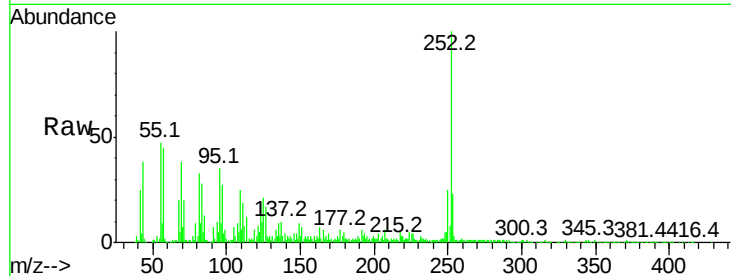




#89
Benzo(a)pyrene
Concen: 11.43 ng
RT: 15.24 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

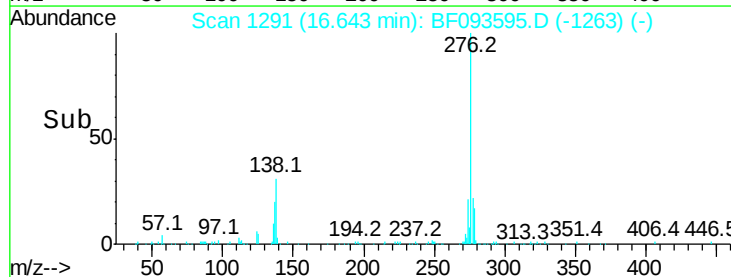
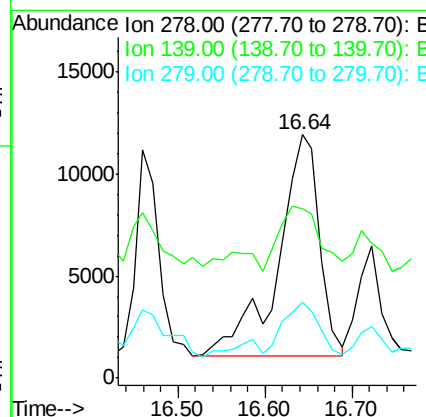
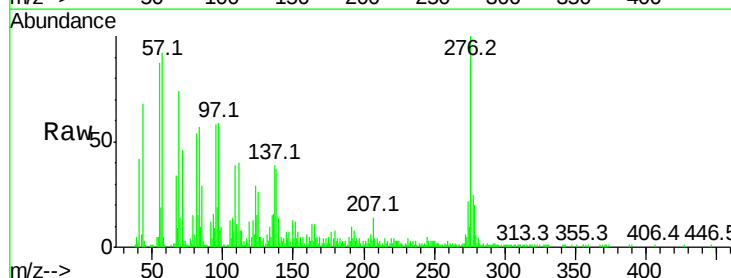
Instrument :
BNA_F
ClientSampleId :
HY-SB420A

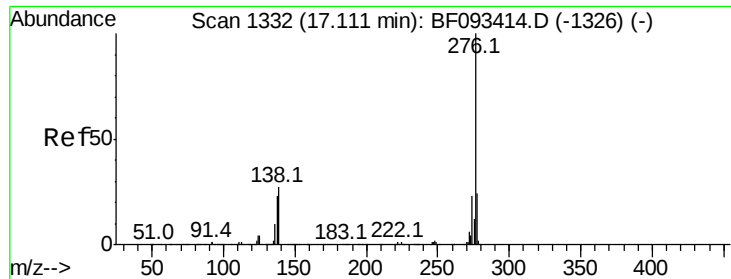
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	20.6	10.0	15.0



#90
Dibenzo(a,h)anthracene
Concen: 2.49 ng
RT: 16.64 min Scan# 1291
Delta R.T. 0.02 min
Lab File: BF093595.D
Acq: 12 Mar 2017 7:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	69.4	14.8	22.2
279	31.2	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 8.41 ng
 RT: 17.05 min Scan# 1327
 Delta R.T. 0.03 min
 Lab File: BF093595.D
 Acq: 12 Mar 2017 7:11

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB420A

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.8	19.2	28.8	
138	32.9	16.0	24.0	

