

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
 Data File : BF093971.D
 Acq On : 28 Mar 2017 4:44
 Operator : SJ/MA
 Sample : I2413-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-02

Quant Time: Mar 28 05:34:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.95	152	160651	20.00	ng	0.00
21) Naphthalene-d8	7.45	136	541350	20.00	ng	0.00
38) Acenaphthene-d10	9.59	164	293312	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	470912	20.00	ng	-0.01
75) Chrysene-d12	14.66	240	333597	20.00	ng	-0.02
86) Perylene-d12	16.30	264	297087	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	4.48	112	489071	51.42	ng	0.00
7) Phenol-d6	5.55	99	1246728	105.95	ng	0.00
23) Nitrobenzene-d5	6.61	82	644137	67.90	ng	0.00
41) 2,4,6-Tribromophenol	10.56	330	229594	99.06	ng	-0.02
44) 2-Fluorobiphenyl	8.77	172	1301038	67.66	ng	-0.01
78) Terphenyl-d14	13.39	244	857253	57.60	ng	-0.02

Target Compounds						Qvalue
4) n-Nitrosodimethylamine	2.82	42	25314	4.94	ng	# 1
9) Benzaldehyde	5.44	77	617055	77.66	ng	# 1
15) Benzyl Alcohol	6.13	79	18567	2.16	ng	# 47
17) 2-Methylphenol	6.28	107	35405	3.95	ng	# 1
18) Hexachloroethane	6.53	117	178018	42.64	ng	# 1
19) n-Nitroso-di-n-propylamine	6.42	70	21391	2.83	ng	# 53
22) Acetophenone	6.42	105	1579366	130.90	ng	# 49
24) Nitrobenzene	6.62	77	75983	8.12	ng	# 1
25) Isophorone	7.02	82	65401	3.92	ng	# 54
27) 2,4-Dimethylphenol	7.06	122	26237	3.41	ng	# 61
28) bis(2-Chloroethoxy)methane	6.90	93	34663	3.15	ng	# 94
29) 2,4-Dichlorophenol	7.30	162	24740	3.44	ng	# 35
31) Naphthalene	7.49	128	3721140	142.96	ng	# 97
33) 4-Chloroaniline	7.52	127	27949	2.65	ng	# 1
35) Caprolactam	8.00	113	18313	7.99	ng	# 1
37) 2-Methylnaphthalene	8.33	142	2284653	131.67	ng	# 99
45) 1,1'-Biphenyl	8.89	154	129510	5.47	ng	# 99
49) Dimethylphthalate	9.26	163	96365	4.62	ng	# 99
51) Acenaphthene	9.63	154	465982	25.95	ng	# 99
53) 2,4-Dinitrophenol	9.90	184	236	4.75	ng	# 1
54) Dibenzofuran	9.84	168	537224	21.97	ng	# 99
57) Fluorene	10.26	166	578553	28.54	ng	# 99
70) Phenanthrene	11.44	178	1693750	64.66	ng	# 99
71) Anthracene	11.50	178	233769	8.67	ng	# 97
74) Fluoranthene	12.91	202	696423	25.96	ng	# 99
77) Pyrene	13.18	202	509066	21.03	ng	# 98
80) Benzo(a)anthracene	14.65	228	110763	5.69	ng	# 97
82) Chrysene	14.69	228	114127	6.32	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.66	276	37908	2.42	ng	# 96
87) Benzo(b)fluoranthene	15.88	252	142380	7.82	ng	# 94
88) Benzo(k)fluoranthene	15.88	252	142380	7.99	ng	# 98
89) Benzo(a)pyrene	16.23	252	69977	4.17	ng	# 92
91) Benzo(a,h,i)perylene	18.06	276	37925	2.65	ng	# 97

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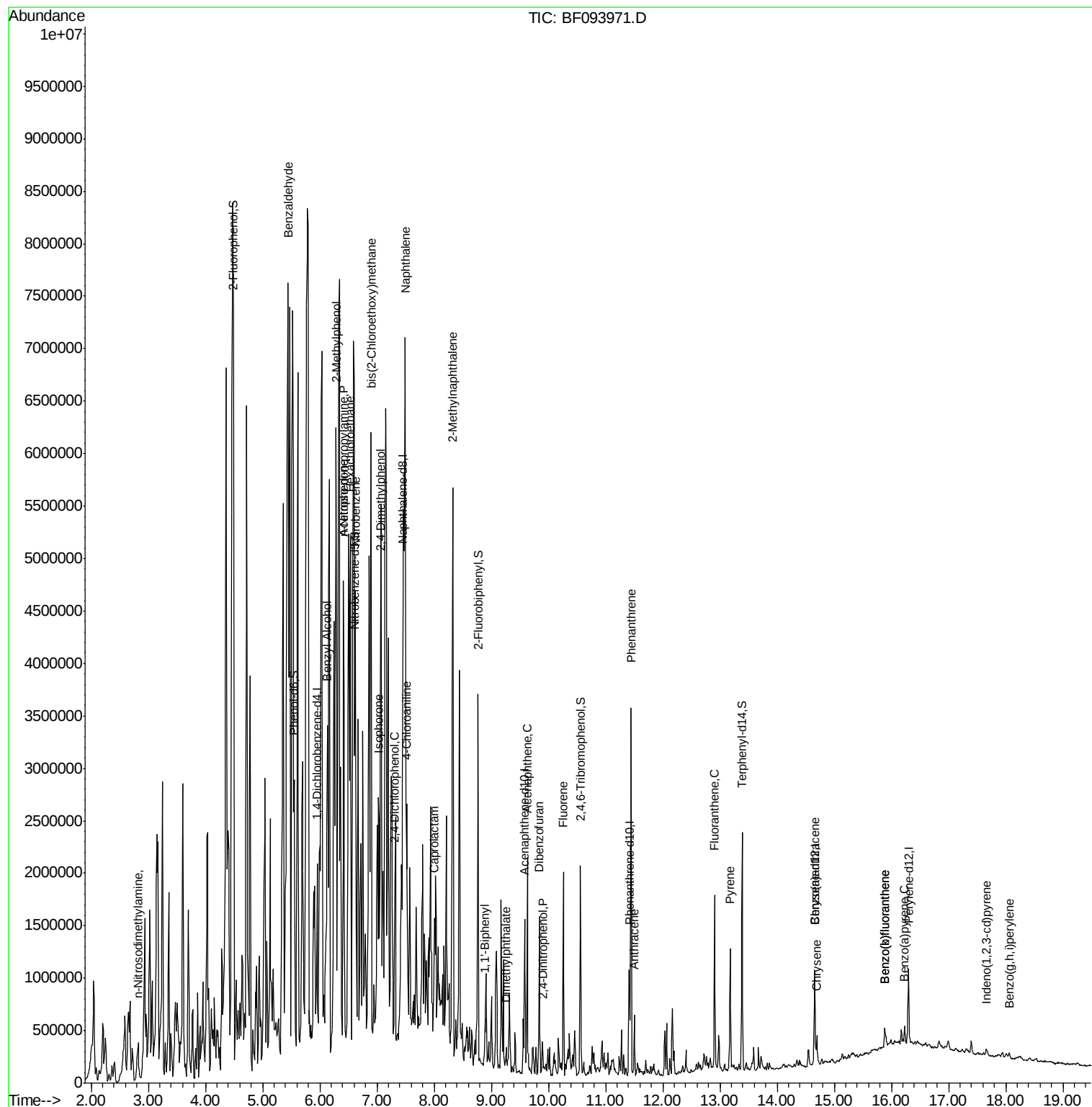
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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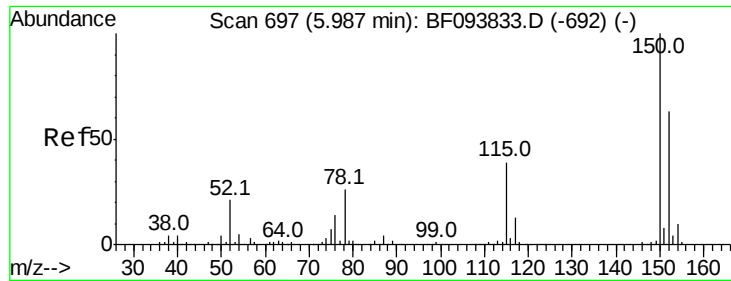
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.95 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

Instrument :

BNA_F

ClientSampleId :

TS-02

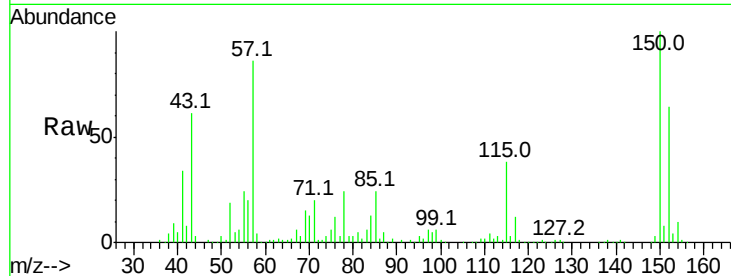
Tot Ion:152 Resp: 160651

Ion Ratio Lower Upper

152 100

150 156.8 126.2 189.2

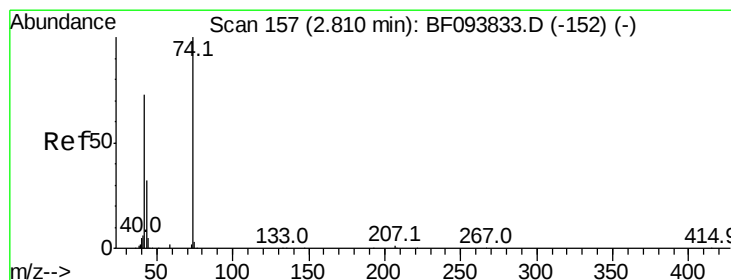
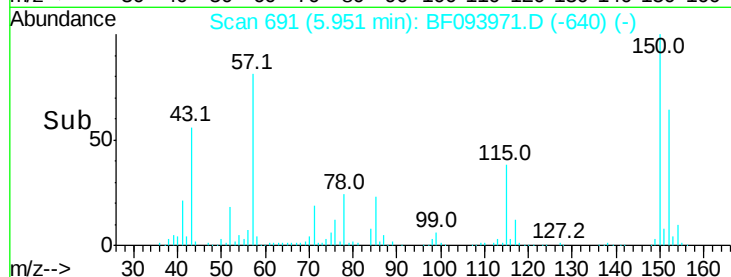
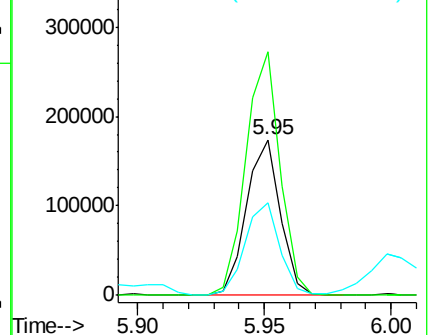
115 60.0 52.2 78.2



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



#4

n-Nitrosodimethylamine

Concen: 4.94 ng

RT: 2.82 min Scan# 158

Delta R.T. 0.04 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

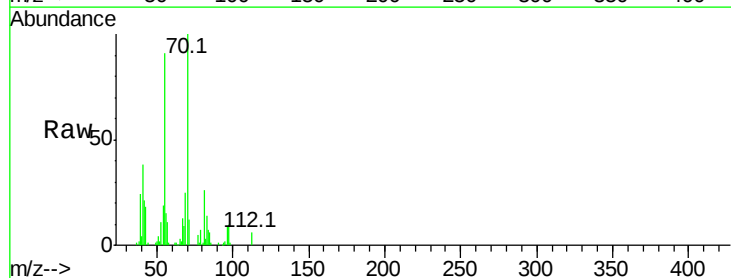
Tgt Ion: 42 Resp: 25314

Ion Ratio Lower Upper

42 100

74 0.0 103.9 155.9#

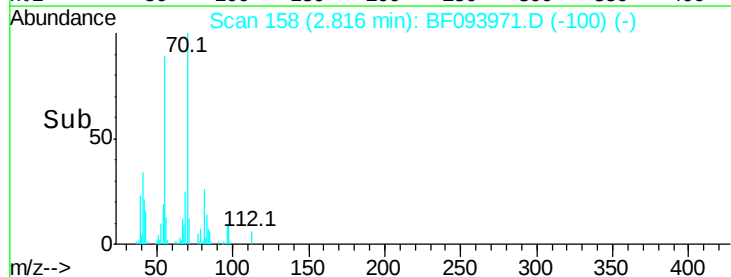
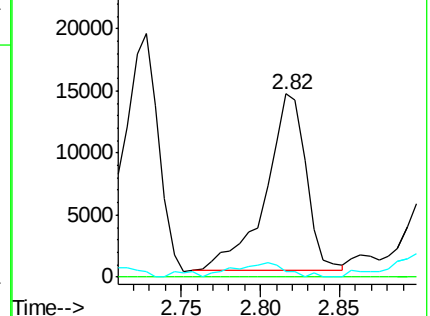
44 2.9 5.7 8.5#

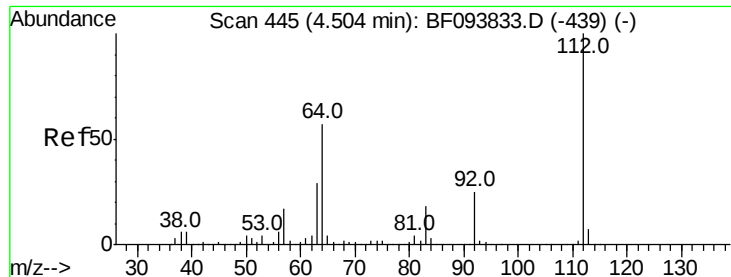


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 51.42 ng

RT: 4.48 min Scan# 441

Delta R.T. 0.01 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

Instrument :

BNA_F

ClientSampled :

TS-02

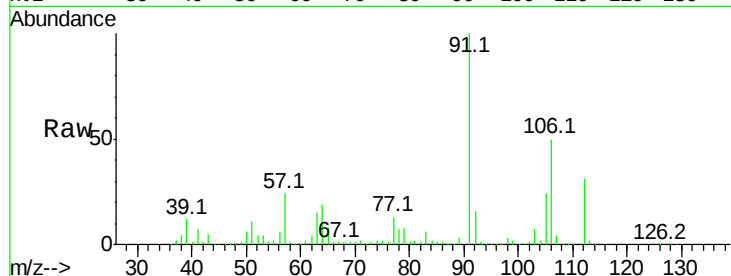
Tot Ion:112 Resp: 489071

Ion Ratio Lower Upper

112 100

64 61.6 46.0 69.0

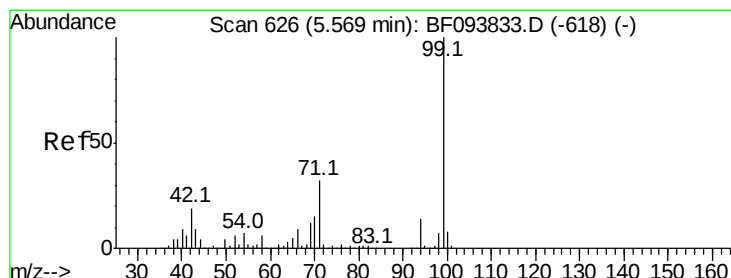
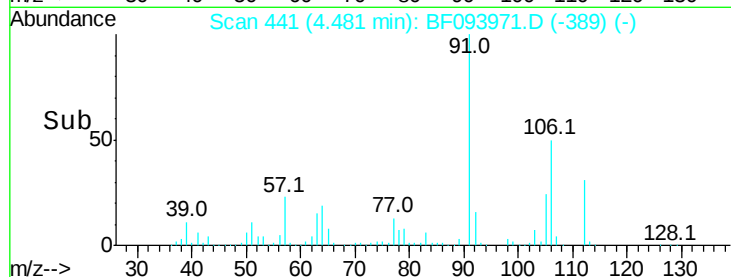
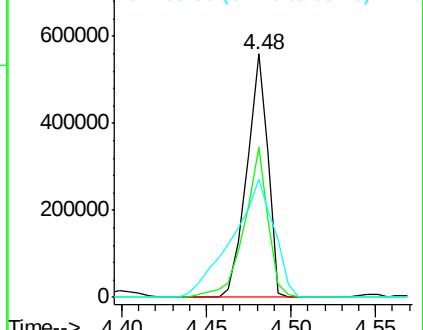
63 48.8 23.4 35.0#



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: 105.95 ng

RT: 5.55 min Scan# 623

Delta R.T. 0.00 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

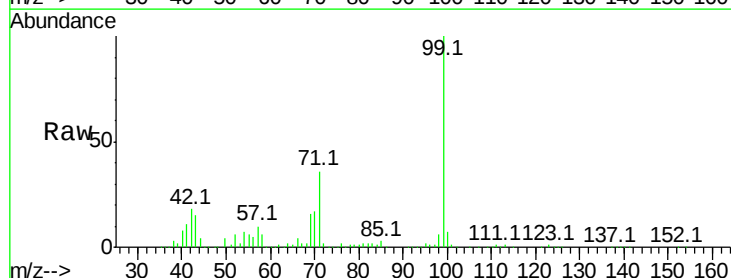
Tgt Ion: 99 Resp: 1246728

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

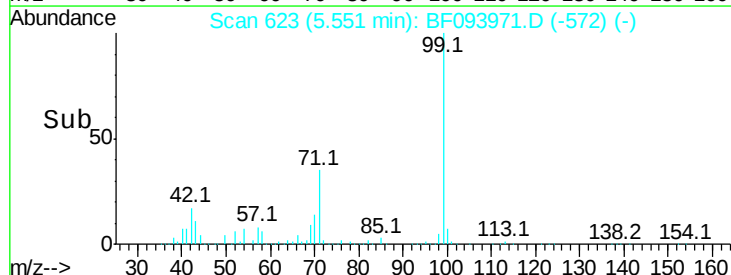
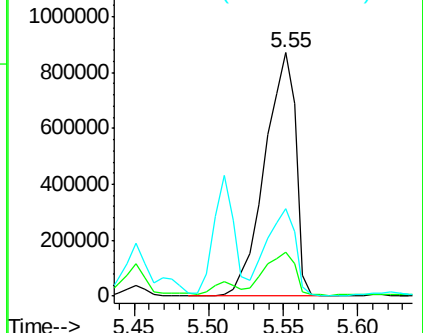
71 35.7 24.5 36.7

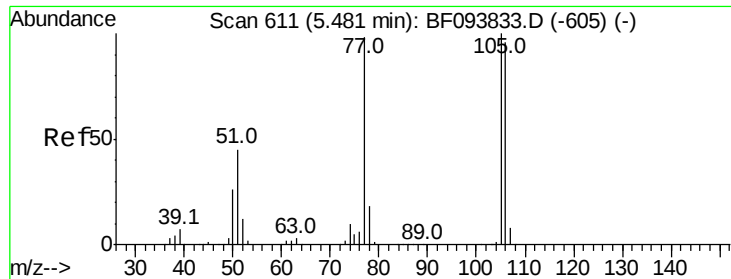


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 77.66 ng

RT: 5.44 min Scan# 604

Delta R.T. -0.01 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

Instrument :

BNA_F

ClientSampleId :

TS-02

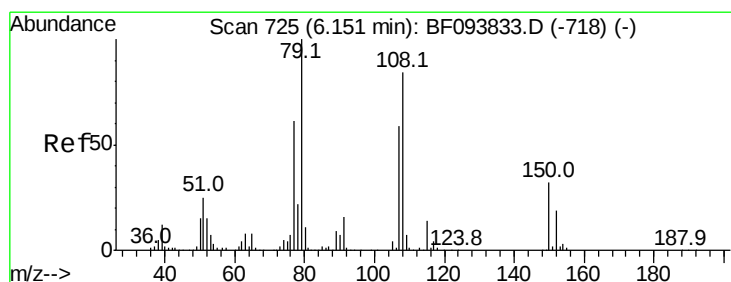
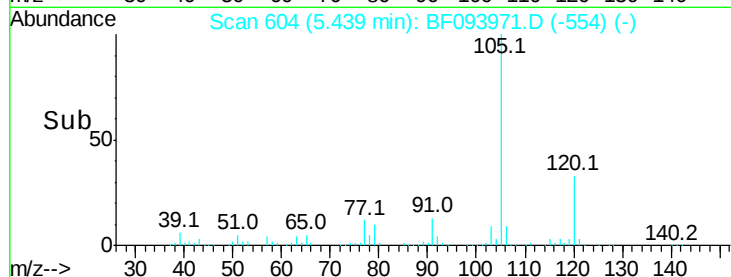
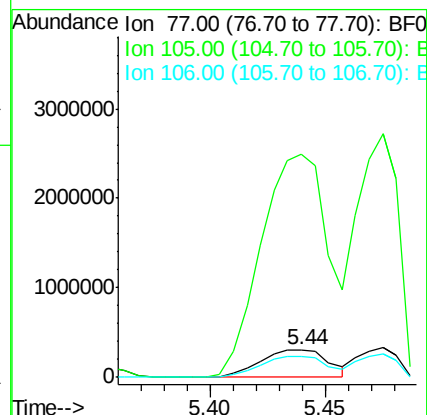
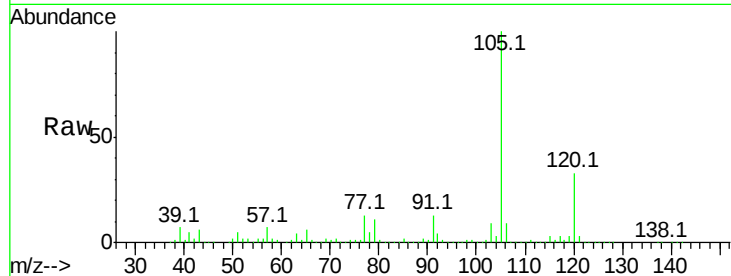
Tot Ion: 77 Resp: 617055

Ion Ratio Lower Upper

77 100

105 797.7 83.8 123.8#

106 73.6 79.1 119.1#



#15

Benzyl Alcohol

Concen: 2.16 ng

RT: 6.13 min Scan# 721

Delta R.T. 0.01 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

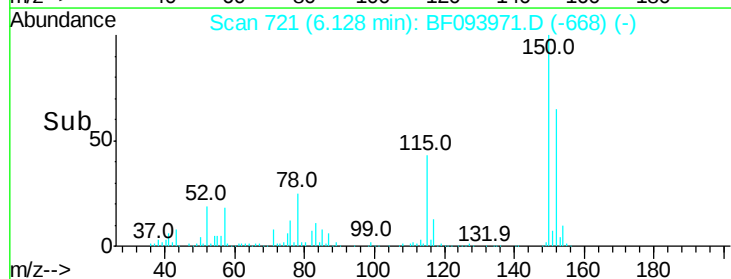
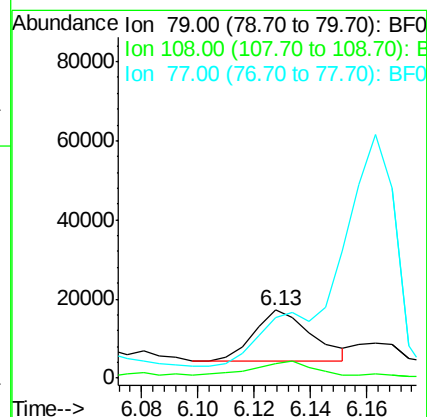
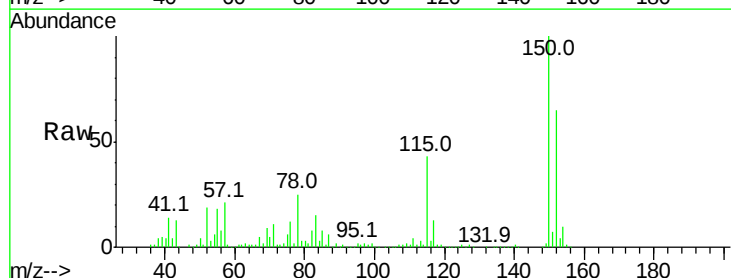
Tgt Ion: 79 Resp: 18567

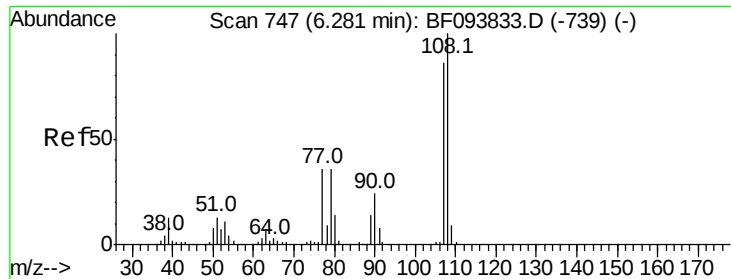
Ion Ratio Lower Upper

79 100

108 21.1 63.4 95.0#

77 90.0 49.2 73.8#





#17

2-Methylphenol

Concen: 3.95 ng

RT: 6.28 min Scan# 747

Delta R.T. 0.03 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

Instrument :

BNA_F

ClientSampleId :

TS-02

Tot Ion:107 Resp: 35405

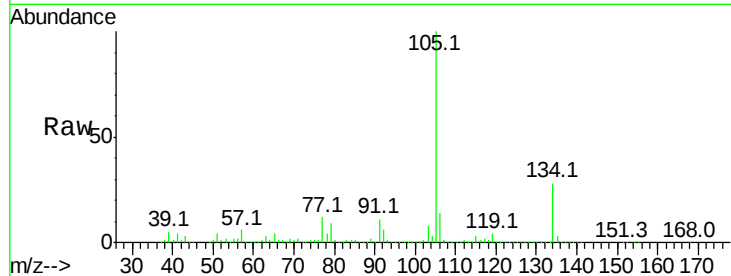
Ion Ratio Lower Upper

107 100

108 4.1 93.4 140.0#

77 1343.2 35.8 53.6#

79 1085.8 34.8 52.2#

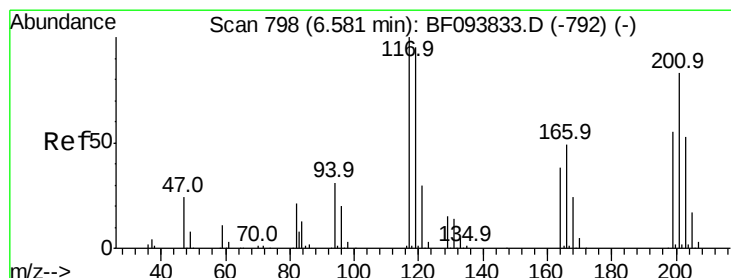
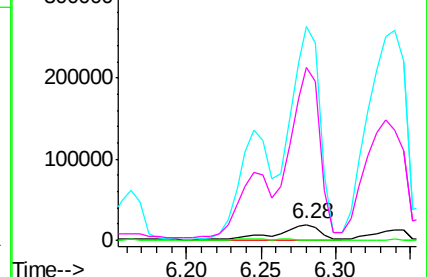
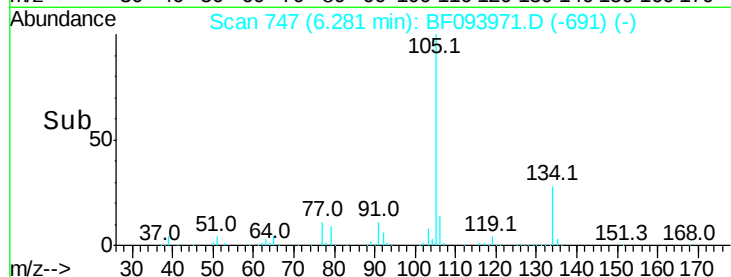


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 42.64 ng

RT: 6.53 min Scan# 790

Delta R.T. -0.01 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

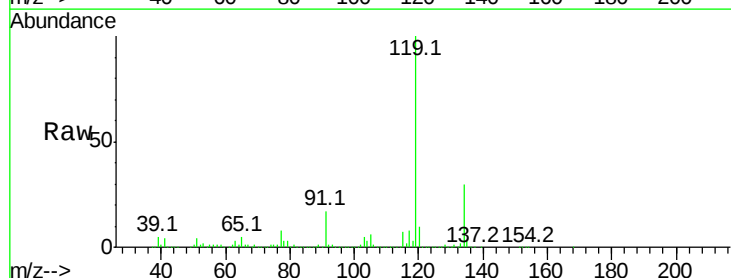
Tgt Ion:117 Resp: 178018

Ion Ratio Lower Upper

117 100

119 1221.6 77.4 116.0#

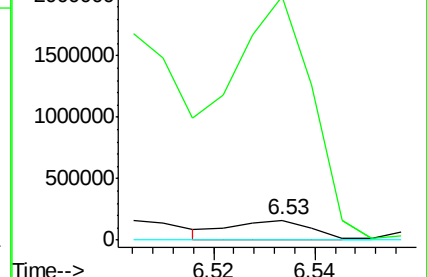
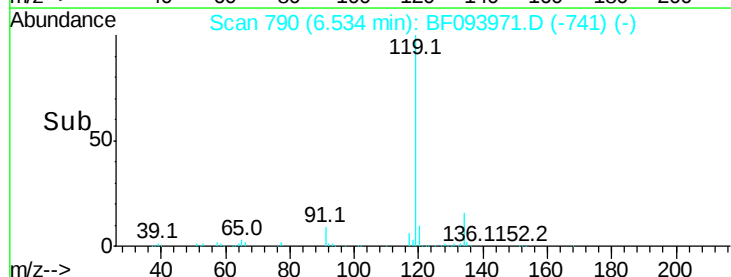
201 0.0 94.6 141.8#

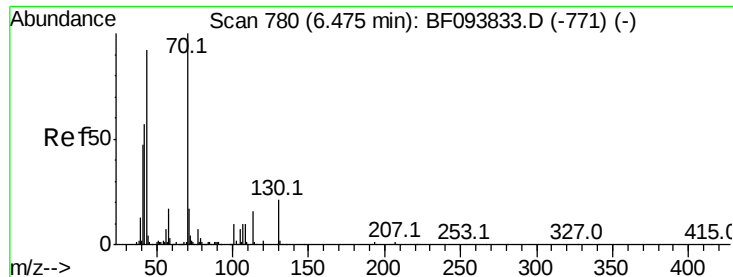


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 2.83 ng

RT: 6.42 min Scan# 771

Delta R.T. -0.02 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

Instrument :

BNA_F

ClientSampleId :

TS-02

Tot Ion: 70 Resp: 21391

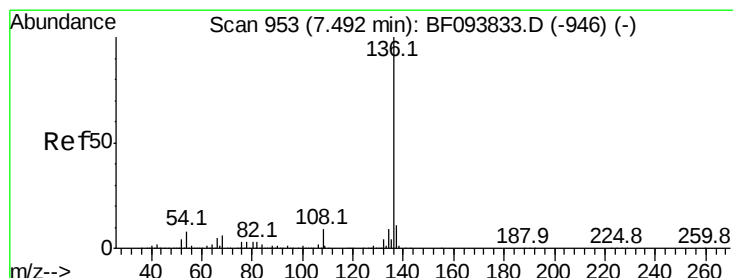
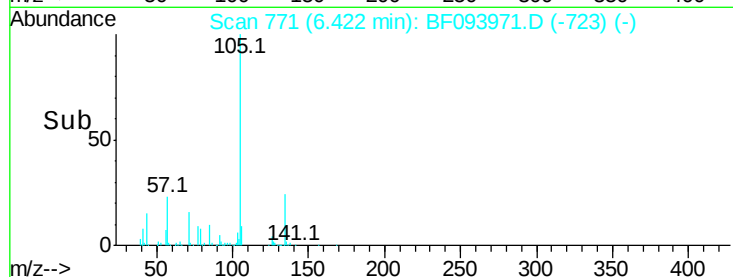
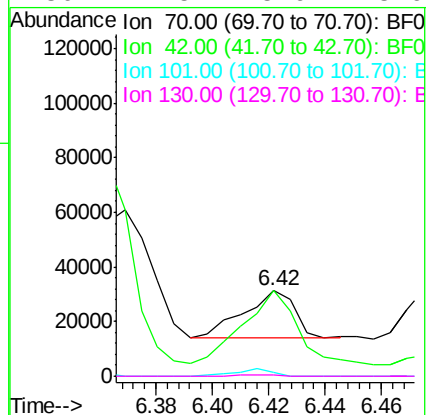
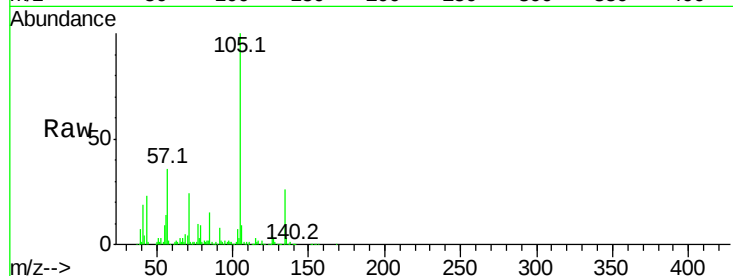
Ion Ratio Lower Upper

70 100

42 100.1 47.2 70.8#

101 4.4 7.2 10.8#

130 1.5 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.45 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

Tgt Ion: 136 Resp: 541350

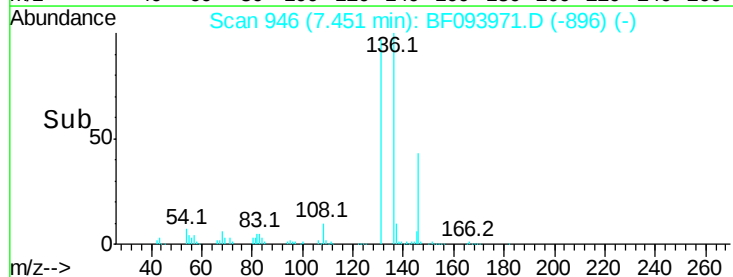
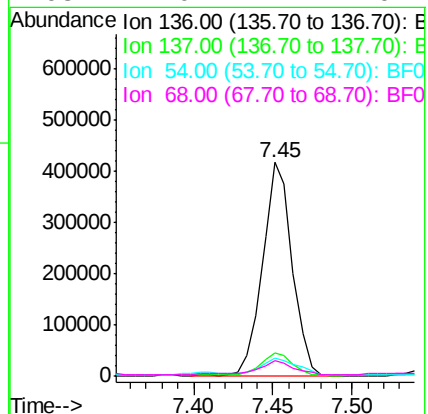
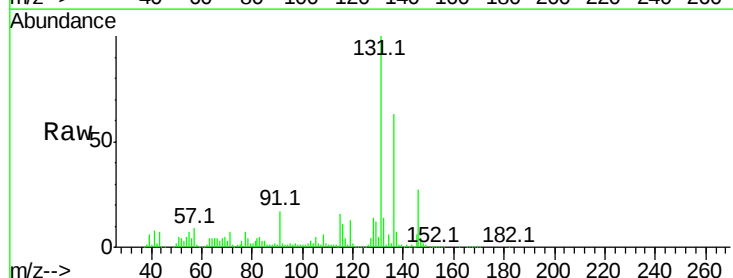
Ion Ratio Lower Upper

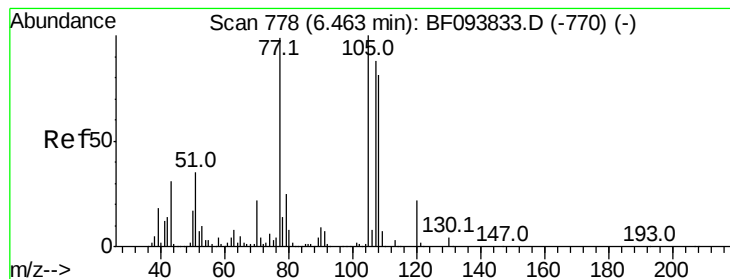
136 100

137 10.5 8.5 12.7

54 8.6 4.9 7.3#

68 7.0 4.1 6.1#





#22

Acetophenone

Concen: 130.90 ng

RT: 6.42 min Scan# 770

Delta R.T. -0.01 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

Instrument :

BNA_F

ClientSampleId :

TS-02

Tot Ion:105 Resp: 1579366

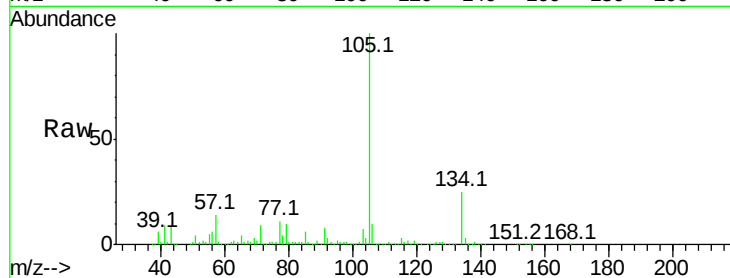
Ion Ratio Lower Upper

105 100

71 9.1 2.8 4.2#

51 3.7 30.7 46.1#

120 0.2 17.4 26.0#

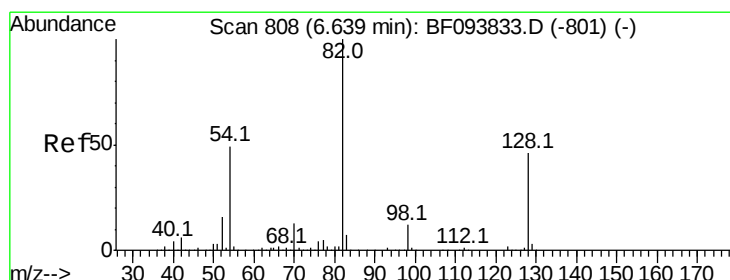
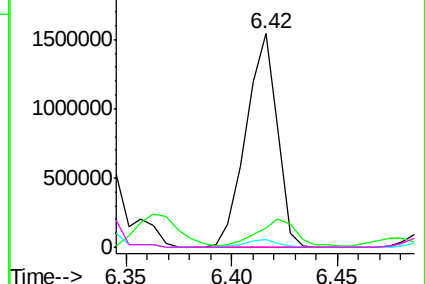
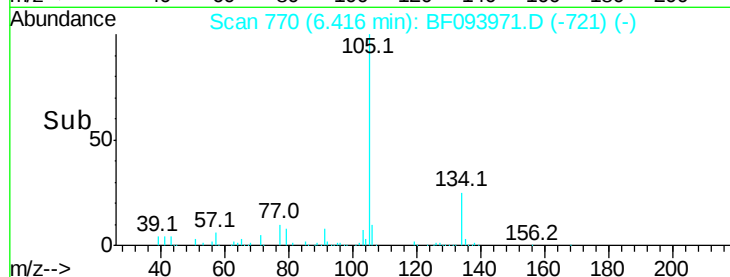


Abundance Ion 105.00 (104.70 to 105.70): E

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: 67.90 ng

RT: 6.61 min Scan# 803

Delta R.T. 0.01 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

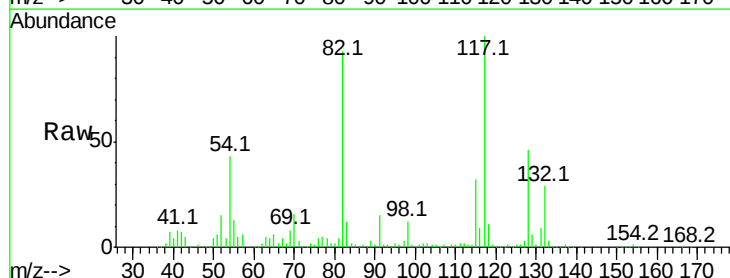
Tgt Ion: 82 Resp: 644137

Ion Ratio Lower Upper

82 100

128 49.7 34.0 51.0

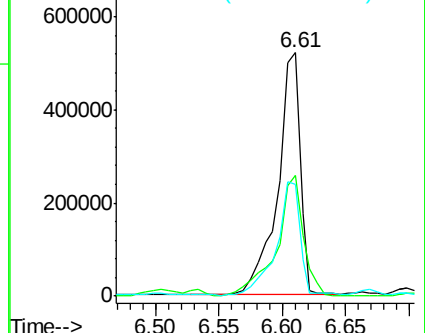
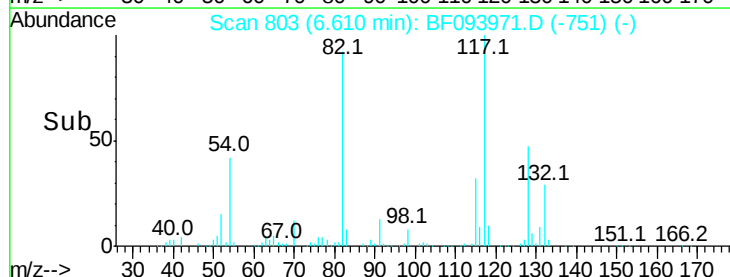
54 46.1 42.2 63.2

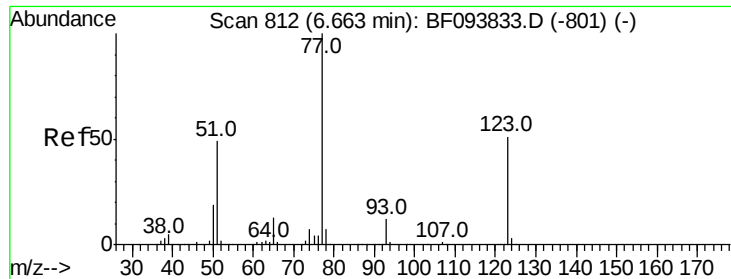


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

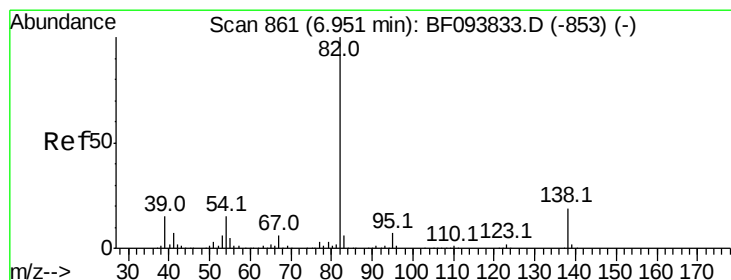
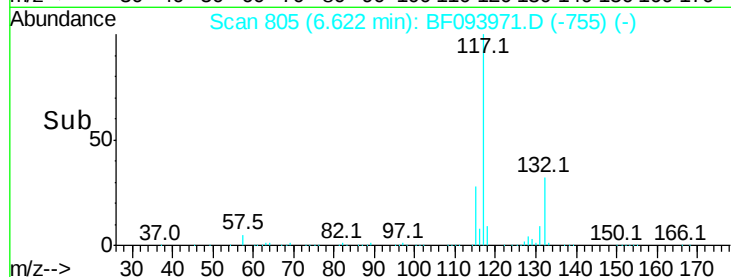
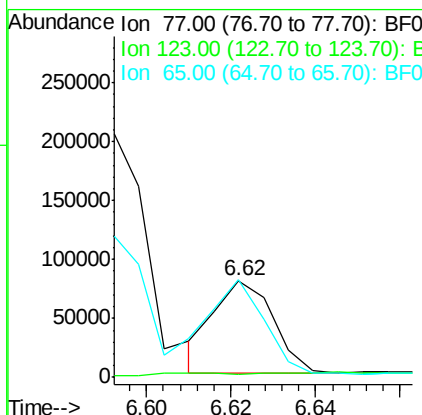
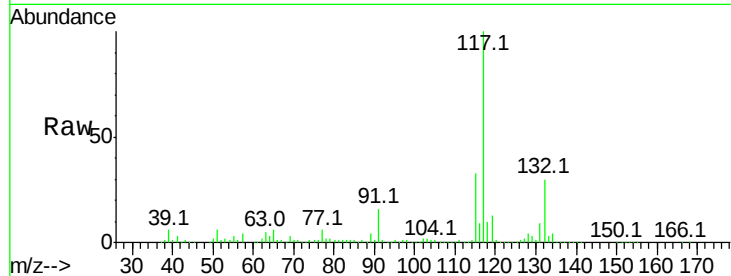




#24
Nitrobenzene
Concen: 8.12 ng
RT: 6.62 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF093971.D
Acq: 28 Mar 2017 4:44

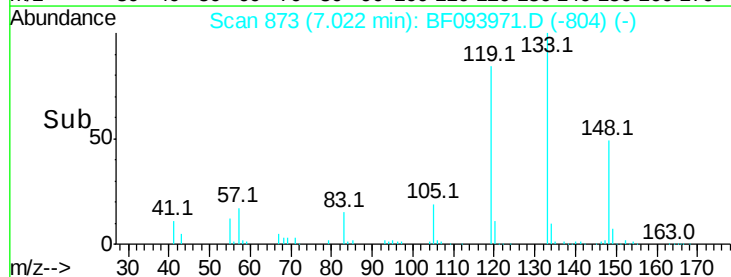
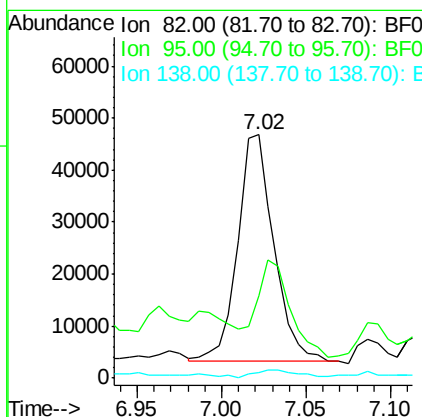
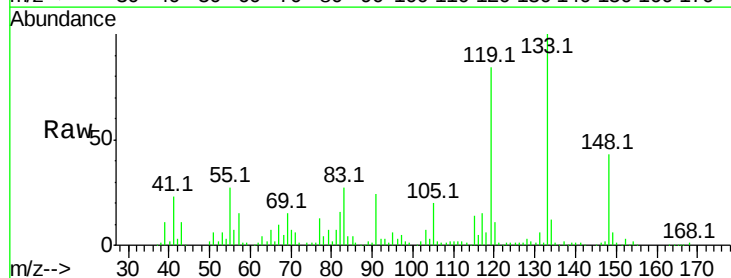
Instrument :
BNA_F
ClientSampled :
TS-02

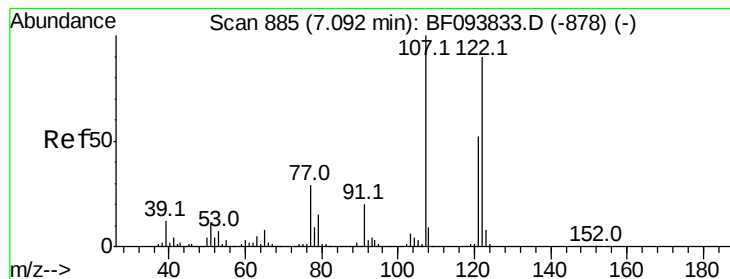
Tot Ion: 77 Resp: 75983
Ion Ratio Lower Upper
77 100
123 3.2 35.8 53.8#
65 100.3 10.6 15.8#



#25
Isophorone
Concen: 3.92 ng
RT: 7.02 min Scan# 873
Delta R.T. 0.11 min
Lab File: BF093971.D
Acq: 28 Mar 2017 4:44

Tgt Ion: 82 Resp: 65401
Ion Ratio Lower Upper
82 100
95 33.9 5.3 7.9#
138 2.5 13.1 19.7#





#27

2,4-Dimethylphenol

Concen: 3.41 ng

RT: 7.06 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

Instrument :

BNA_F

ClientSampleId :

TS-02

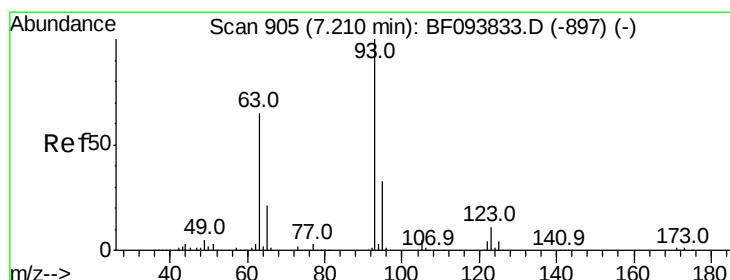
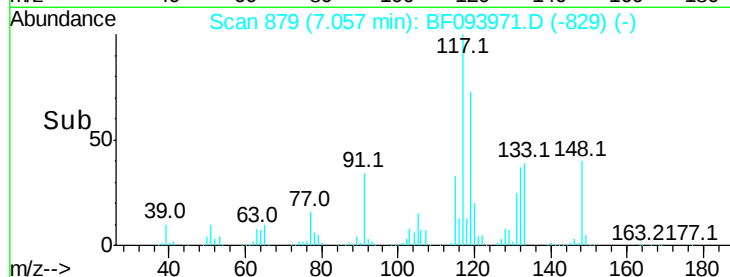
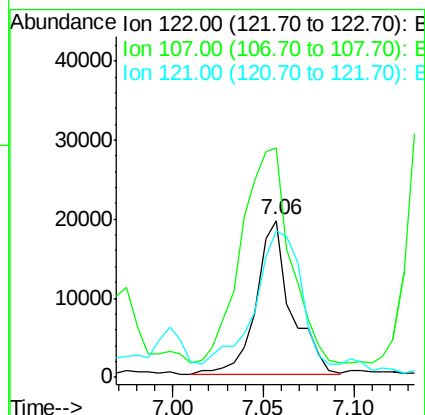
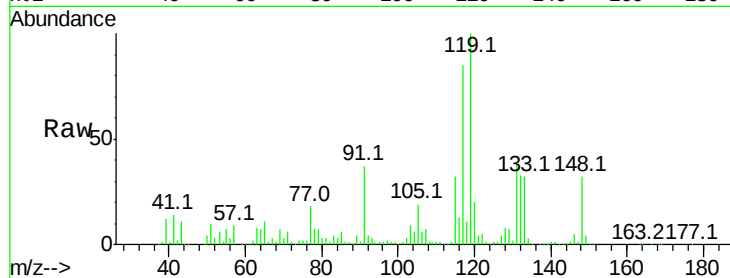
Tot Ion:122 Resp: 26237

Ion Ratio Lower Upper

122 100

107 146.8 89.2 133.8#

121 93.5 45.2 67.8#



#28

bis(2-Chloroethoxy)methane

Concen: 3.15 ng

RT: 6.90 min Scan# 852

Delta R.T. -0.28 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

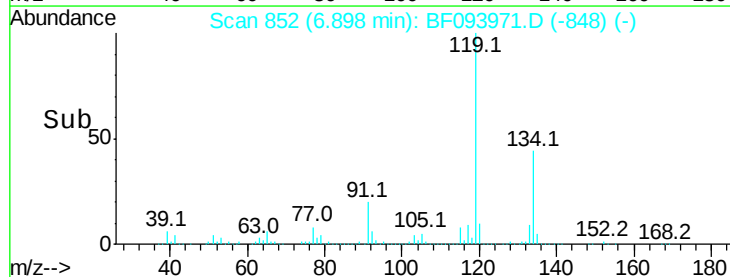
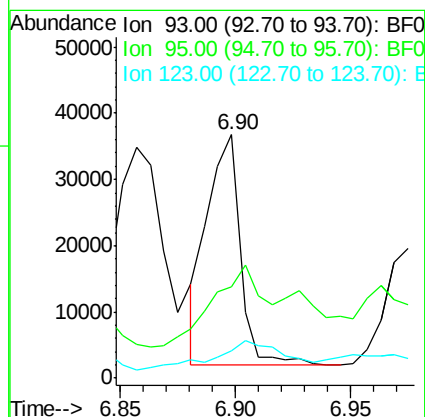
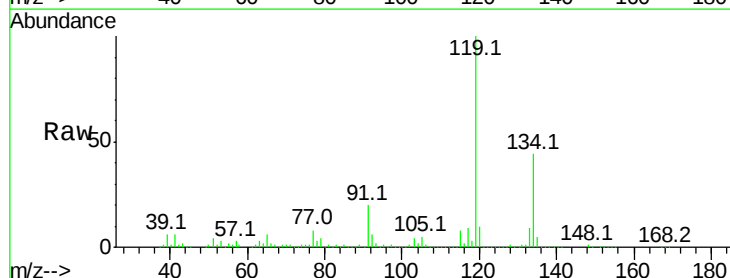
Tgt Ion: 93 Resp: 34663

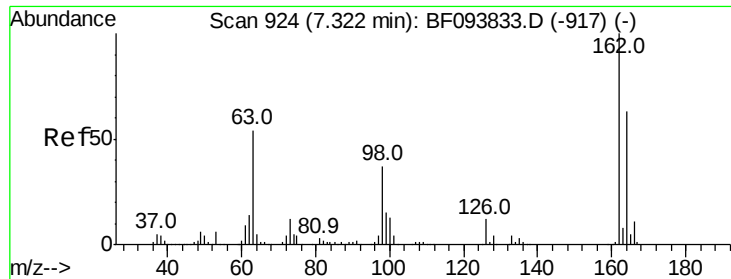
Ion Ratio Lower Upper

93 100

95 37.6 26.5 39.7

123 11.4 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 3.44 ng

RT: 7.30 min Scan# 921

Delta R.T. 0.01 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

Instrument :

BNA_F

ClientSampleId :

TS-02

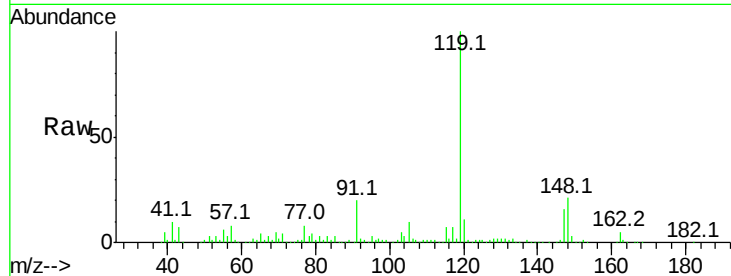
Tot Ion:162 Resp: 24740

Ion Ratio Lower Upper

162 100

164 2.0 44.6 84.6#

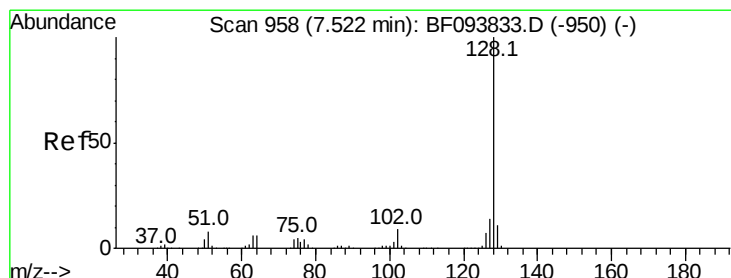
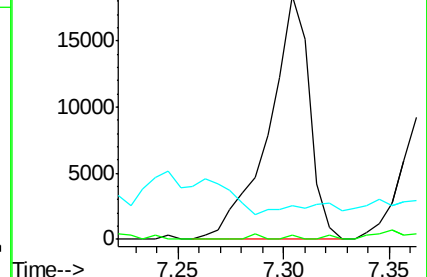
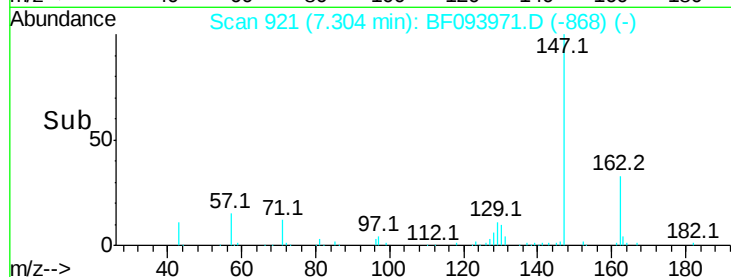
98 13.7 14.8 54.8#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): E



#31

Naphthalene

Concen: 142.96 ng

RT: 7.49 min Scan# 953

Delta R.T. 0.01 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

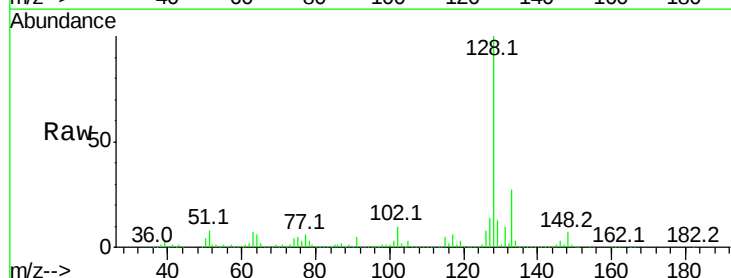
Tgt Ion:128 Resp: 3721140

Ion Ratio Lower Upper

128 100

129 12.5 9.0 13.6

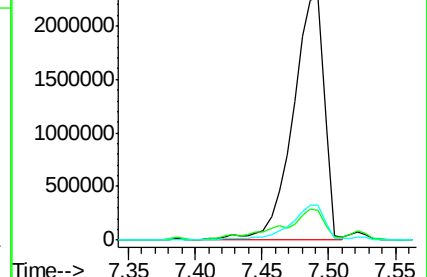
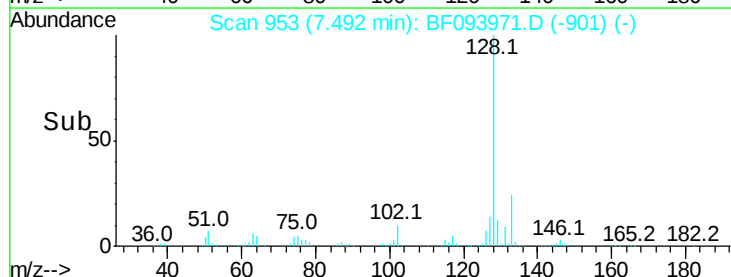
127 14.4 10.8 16.2

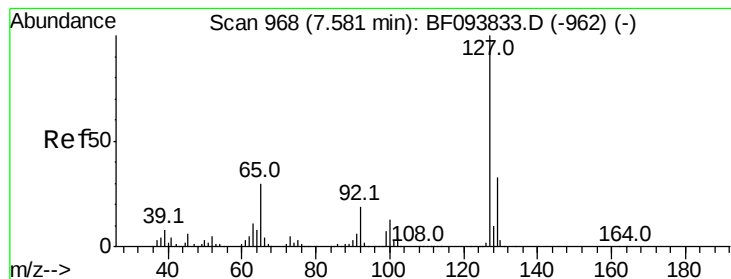


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#33

4-Chloroaniline

Concen: 2.65 ng

RT: 7.52 min Scan# 958

Delta R.T. -0.03 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

Instrument :

BNA_F

ClientSampled :

TS-02

Tot Ion:127 Resp: 27949

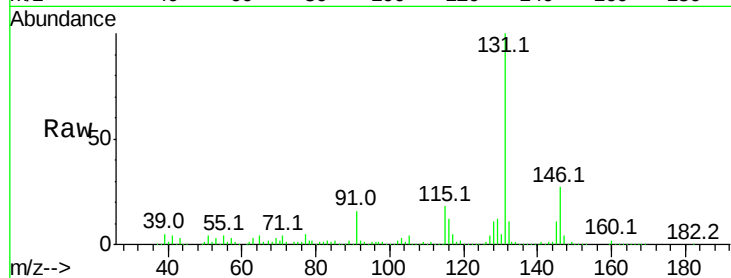
Ion Ratio Lower Upper

127 100

129 291.5 26.2 39.2#

65 104.1 27.8 41.8#

92 38.9 16.8 25.2#

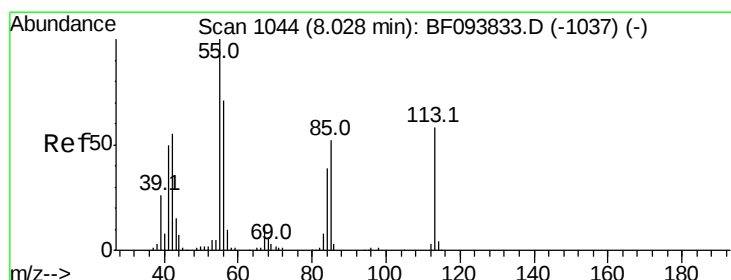
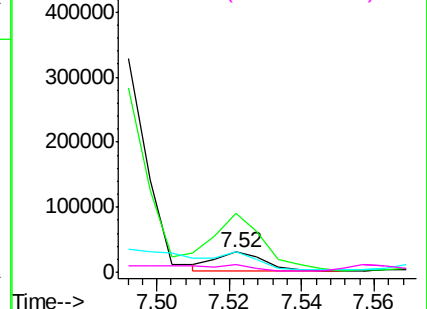
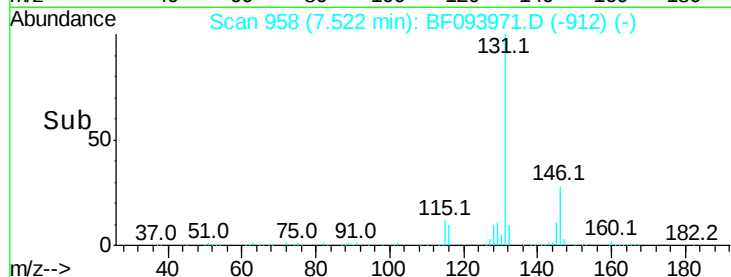


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#35

Caprolactam

Concen: 7.99 ng

RT: 8.00 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

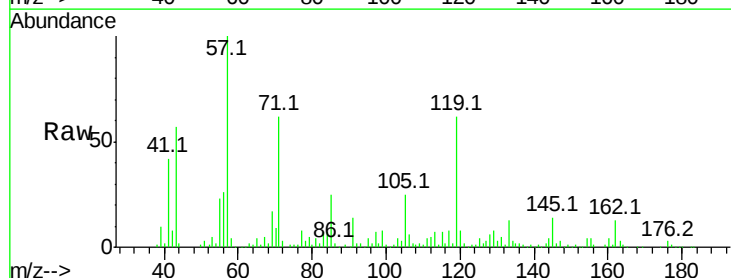
Tgt Ion:113 Resp: 18313

Ion Ratio Lower Upper

113 100

55 322.7 150.2 190.2#

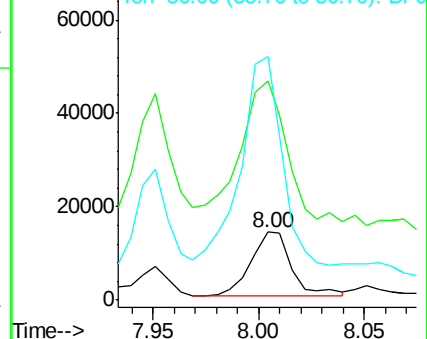
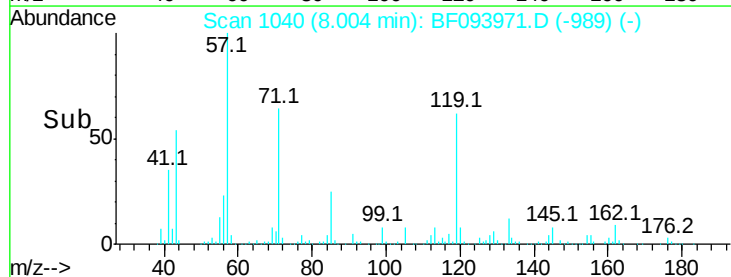
56 358.2 107.8 147.8#

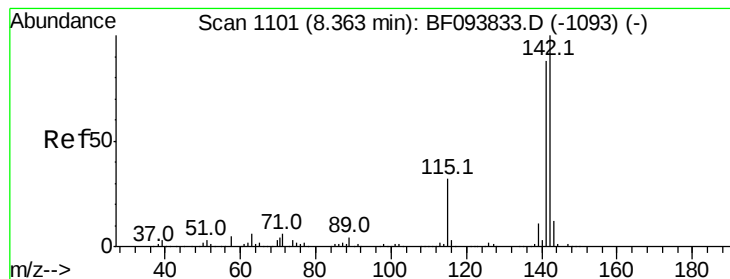


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#37

2-Methylnaphthalene

Concen: 131.67 ng

RT: 8.33 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

Instrument :

BNA_F

ClientSampleId :

TS-02

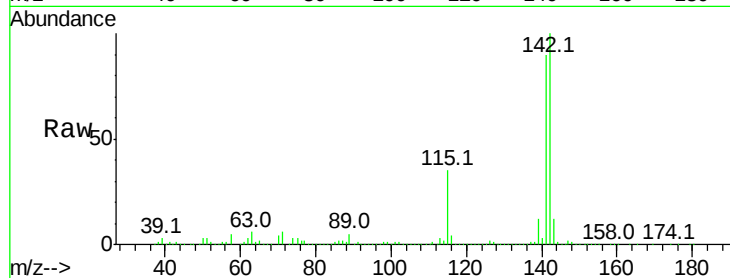
Tot Ion:142 Resp: 2284653

Ion Ratio Lower Upper

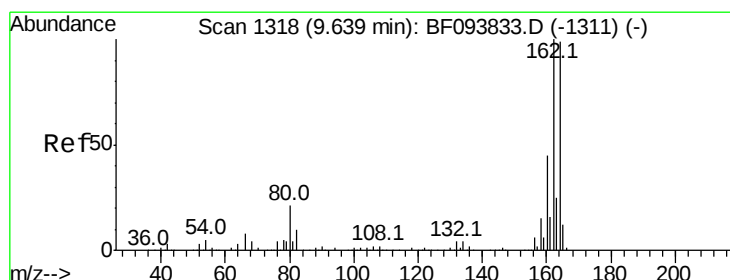
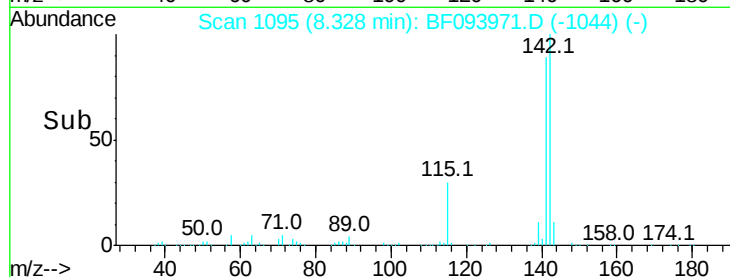
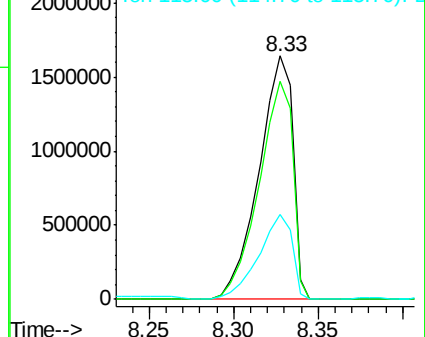
142 100

141 89.8 71.3 106.9

115 34.8 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

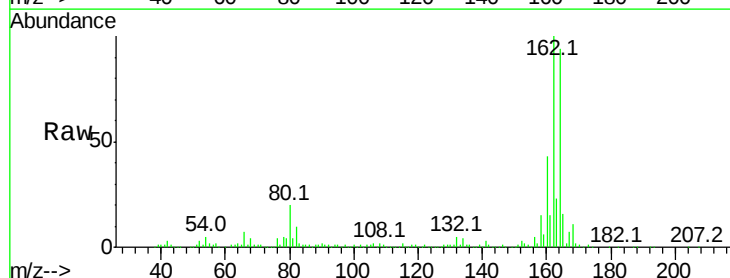
Tgt Ion:164 Resp: 293312

Ion Ratio Lower Upper

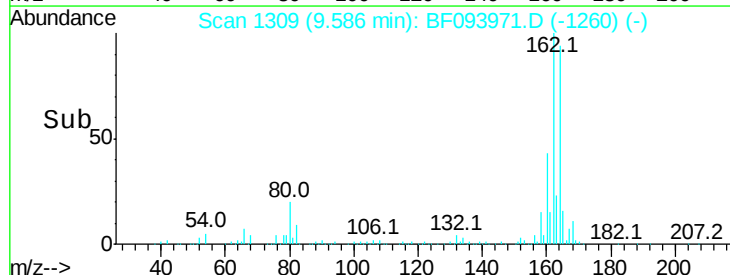
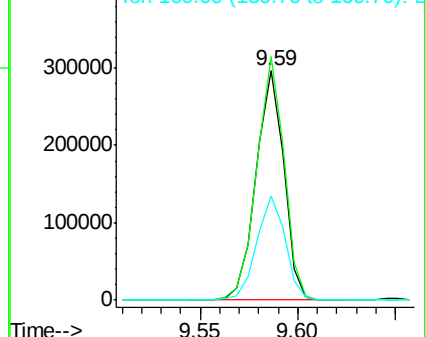
164 100

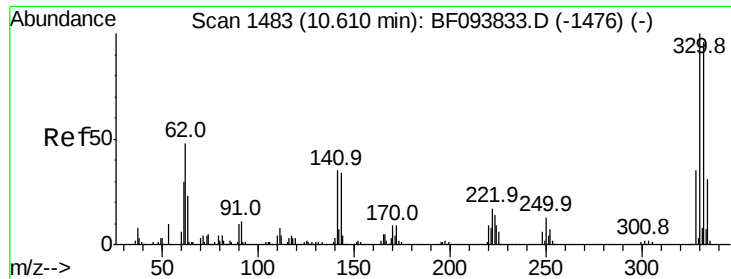
162 106.2 82.6 123.8

160 45.6 36.2 54.2



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

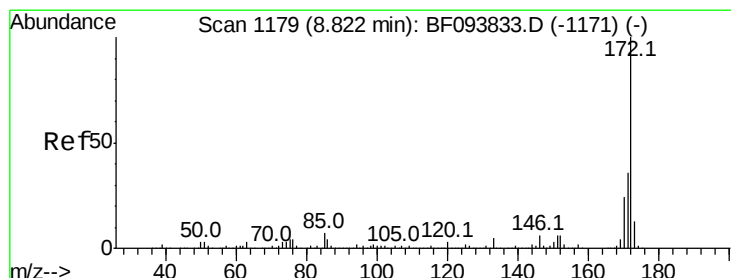
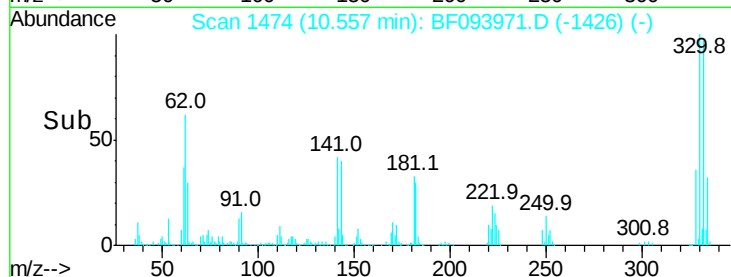
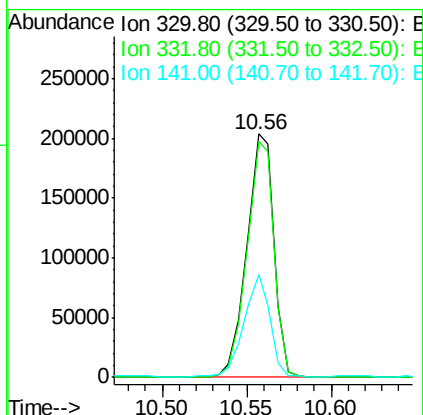
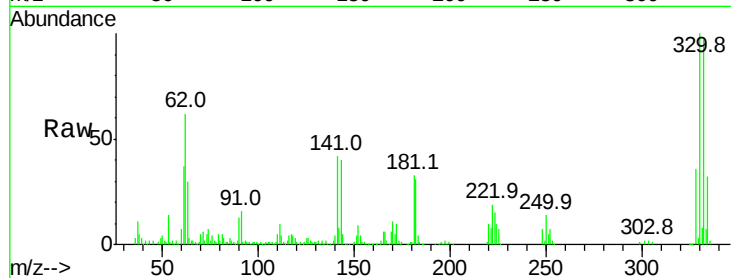




#41
 2,4,6-Tribromophenol
 Concen: 99.06 ng
 RT: 10.56 min Scan# 1474
 Delta R.T. -0.02 min
 Lab File: BF093971.D
 Acq: 28 Mar 2017 4:44

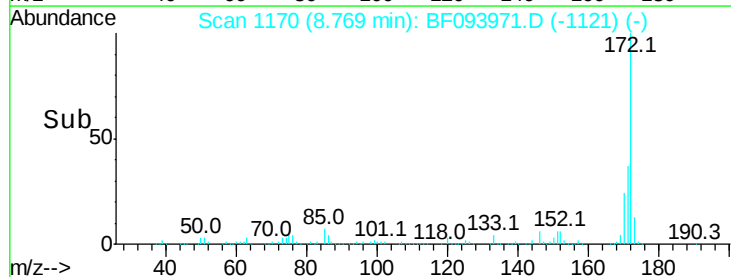
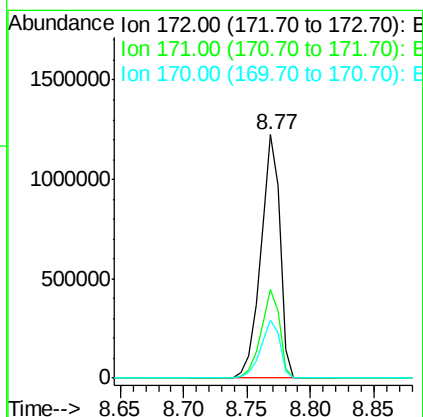
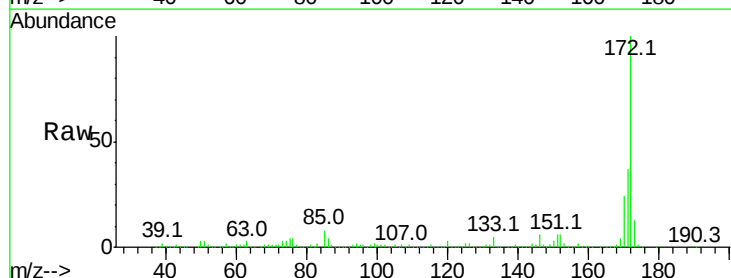
Instrument :
 BNA_F
 ClientSampleId :
 TS-02

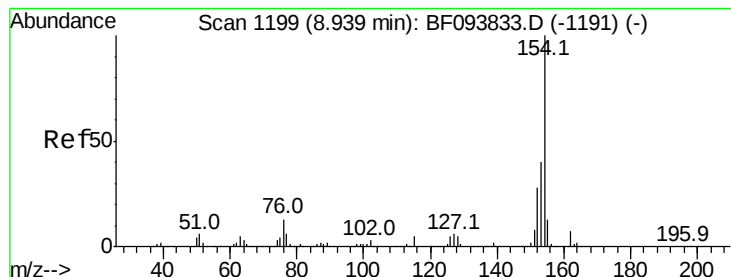
Tot Ion:330 Resp: 229594
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 115.0
 141 40.0 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 67.66 ng
 RT: 8.77 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: BF093971.D
 Acq: 28 Mar 2017 4:44

Tgt Ion:172 Resp: 1301038
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 24.0 19.8 29.8





#45

1,1'-Biphenyl

Concen: 5.47 ng

RT: 8.89 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

Instrument :

BNA_F

ClientSampleId :

TS-02

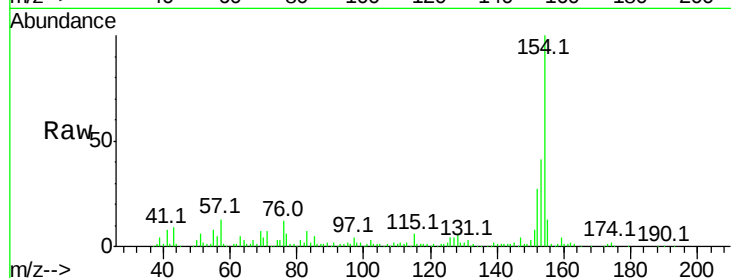
Tot Ion:154 Resp: 129510

Ion Ratio Lower Upper

154 100

153 41.0 21.2 61.2

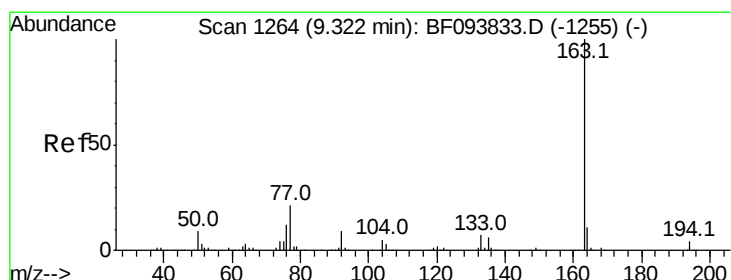
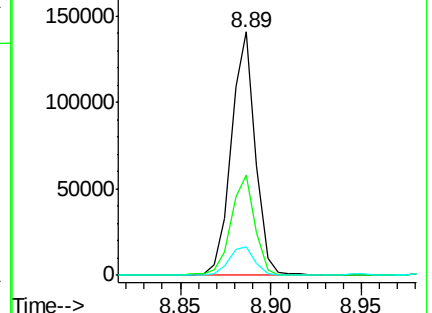
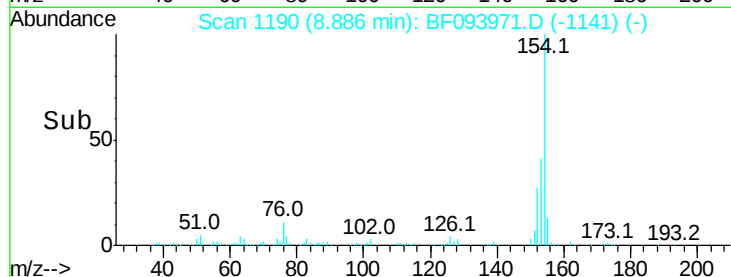
76 11.9 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): E



#49

Dimethylphthalate

Concen: 4.62 ng

RT: 9.26 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

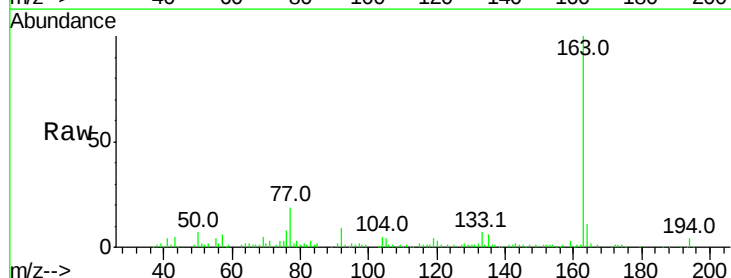
Tgt Ion:163 Resp: 96365

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

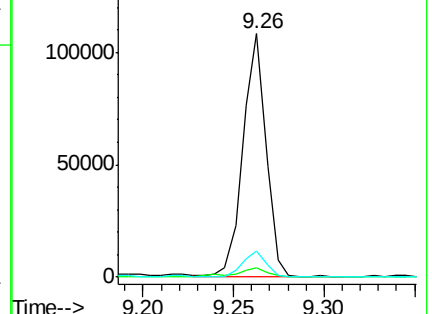
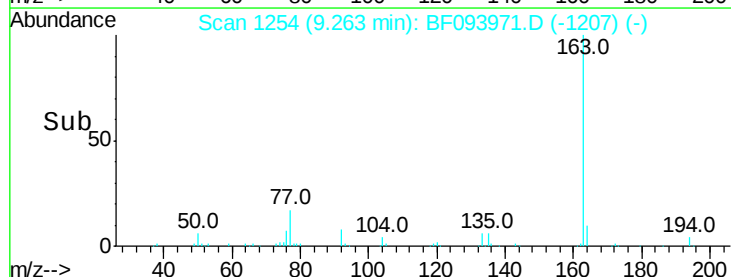
164 10.7 8.4 12.6

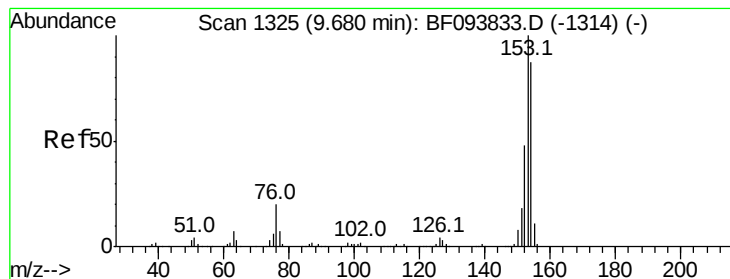


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 25.95 ng

RT: 9.63 min Scan# 1316

Delta R.T. -0.02 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

Instrument :

BNA_F

ClientSampleId :

TS-02

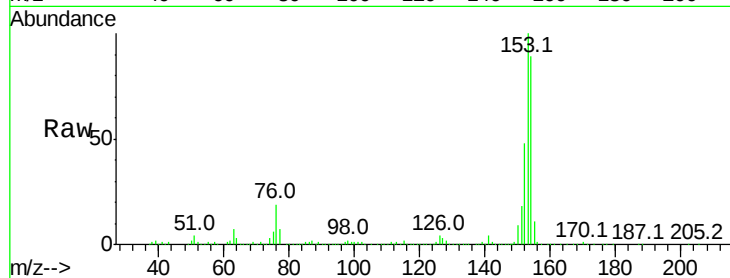
Tot Ion:154 Resp: 465982

Ion Ratio Lower Upper

154 100

153 112.2 90.5 135.7

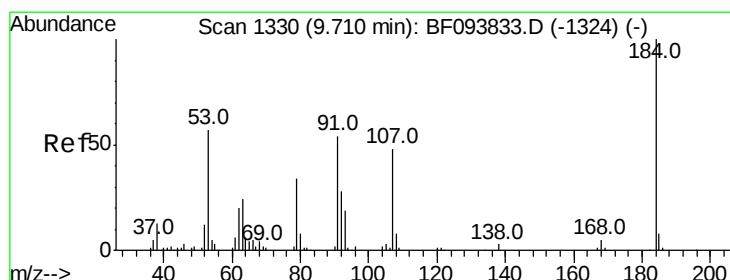
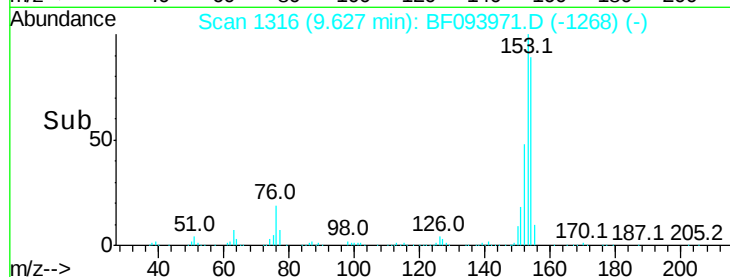
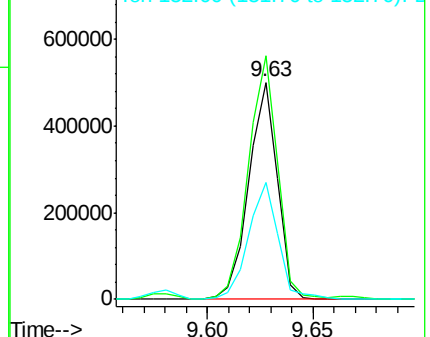
152 54.0 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 4.75 ng

RT: 9.90 min Scan# 1363

Delta R.T. 0.22 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

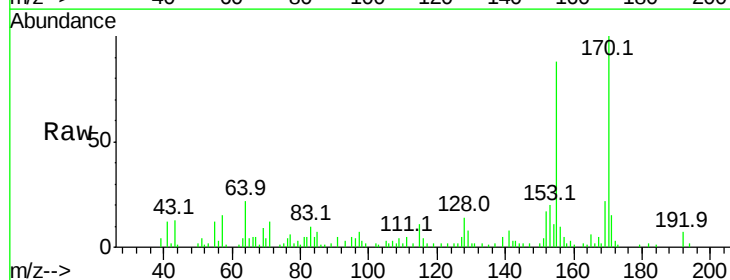
Tgt Ion:184 Resp: 236

Ion Ratio Lower Upper

184 100

63 290.5 62.7 94.1#

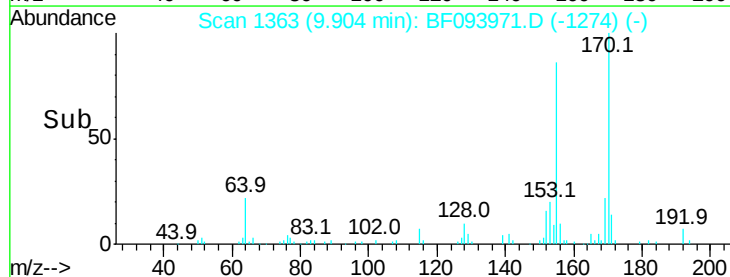
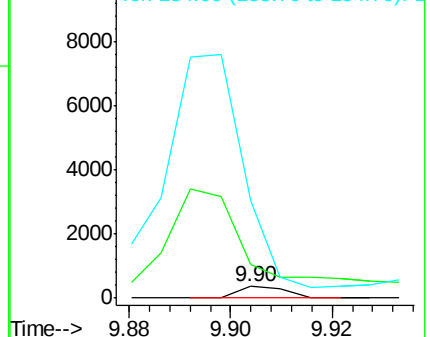
154 832.4 81.1 121.7#

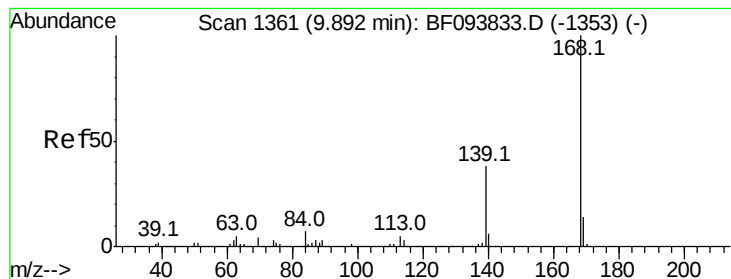


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 21.97 ng

RT: 9.84 min Scan# 1352

Delta R.T. -0.02 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

Instrument :

BNA_F

ClientSampleId :

TS-02

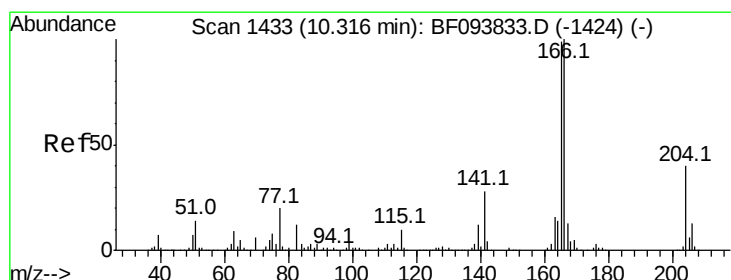
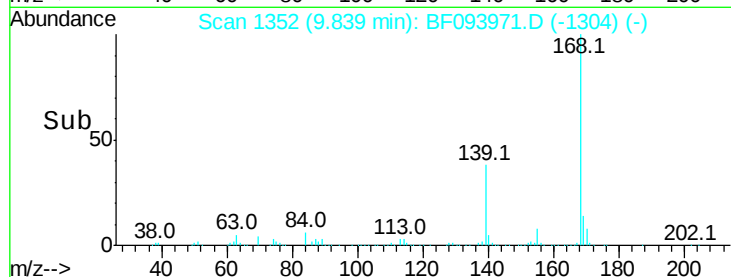
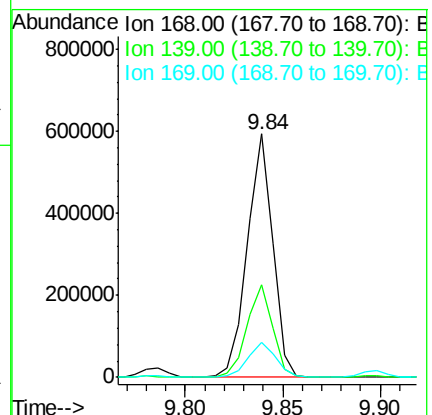
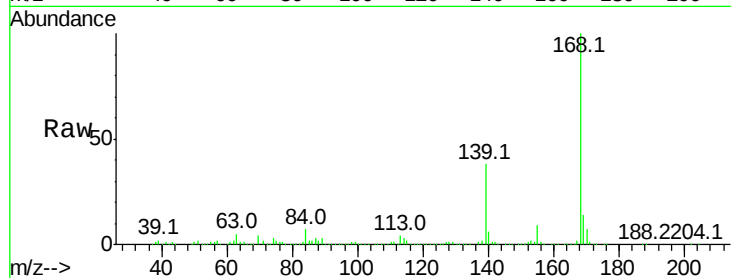
Tot Ion:168 Resp: 537224

Ion Ratio Lower Upper

168 100

139 38.0 30.6 45.8

169 14.2 10.8 16.2



#57

Fluorene

Concen: 28.54 ng

RT: 10.26 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

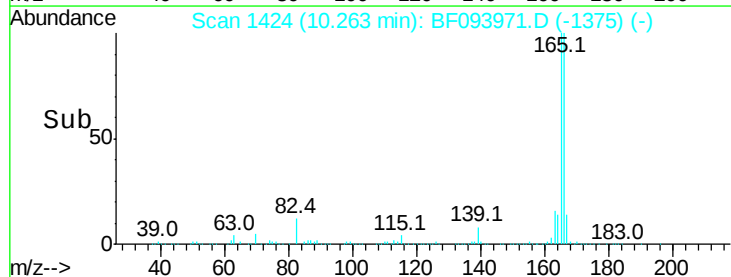
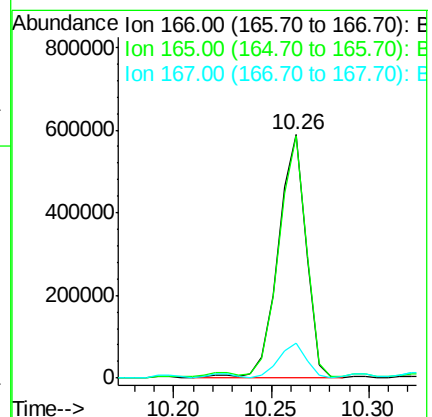
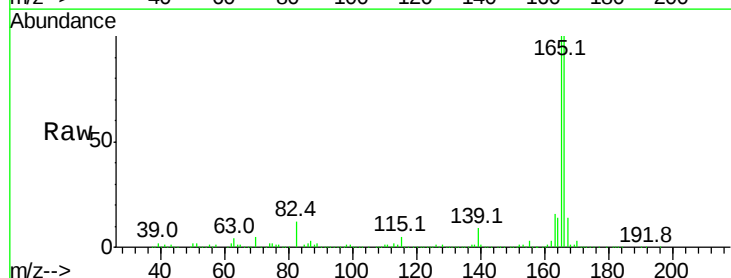
Tgt Ion:166 Resp: 578553

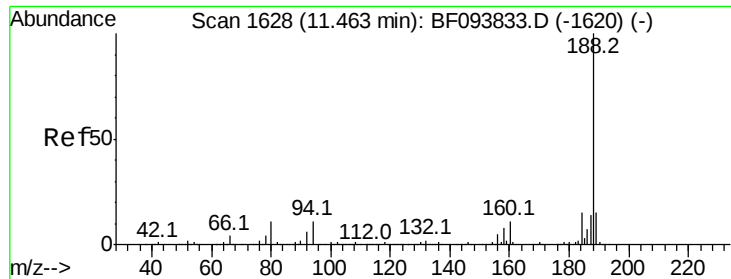
Ion Ratio Lower Upper

166 100

165 99.8 78.8 118.2

167 14.2 10.6 16.0

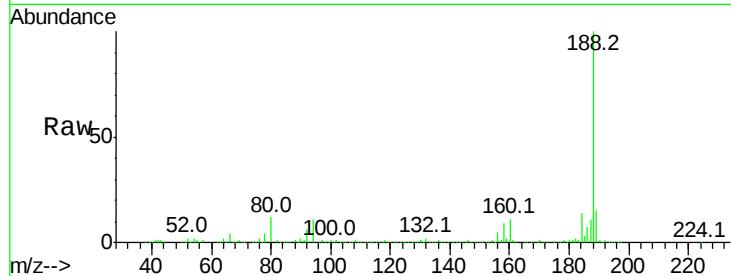




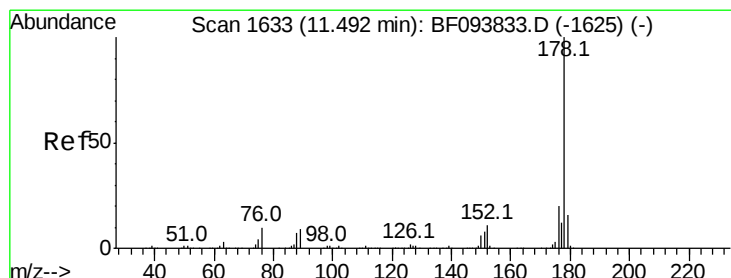
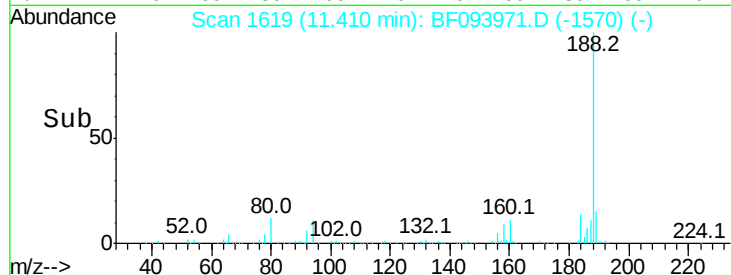
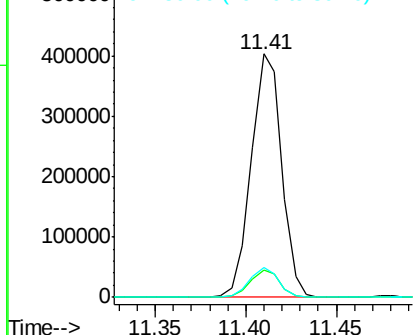
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BF093971.D
Acq: 28 Mar 2017 4:44

Instrument :
BNA_F
ClientSampled :
TS-02

Tot Ion:188 Resp: 470912
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.2
80 12.0 10.2 15.2

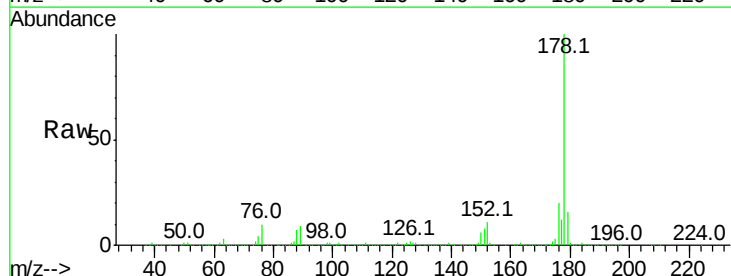


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

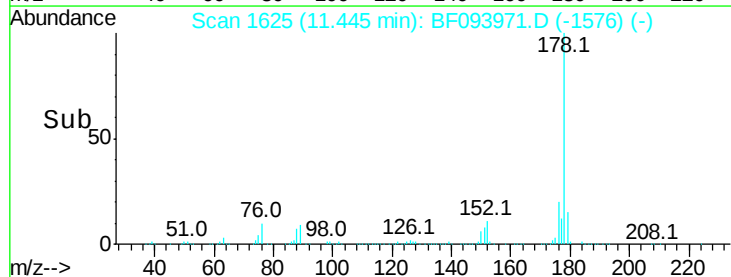
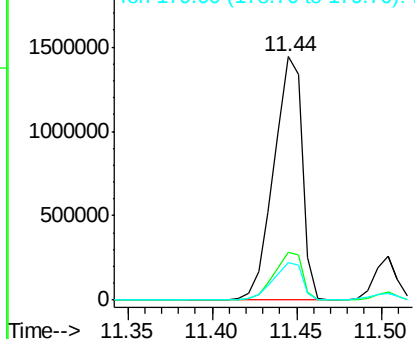


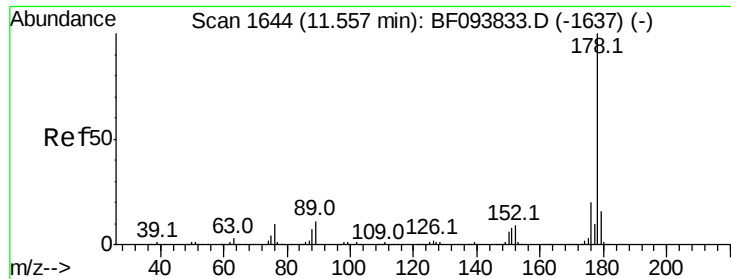
#70
Phenanthrene
Concen: 64.66 ng
RT: 11.44 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BF093971.D
Acq: 28 Mar 2017 4:44

Tgt Ion:178 Resp: 1693750
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.4
179 15.5 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

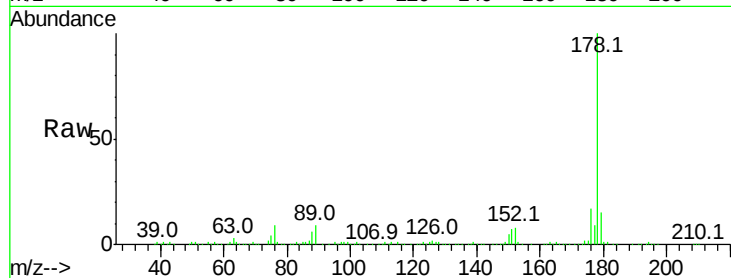




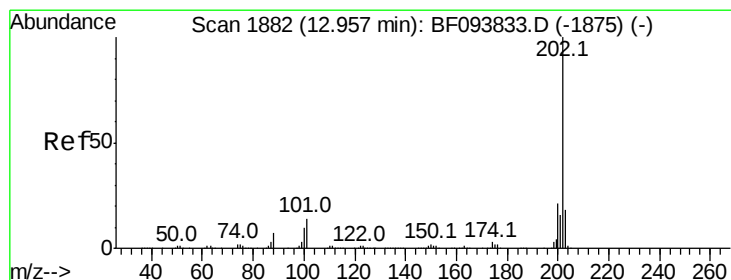
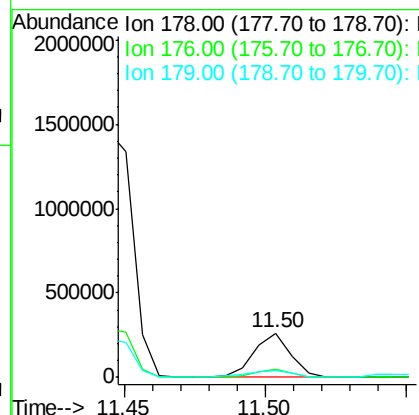
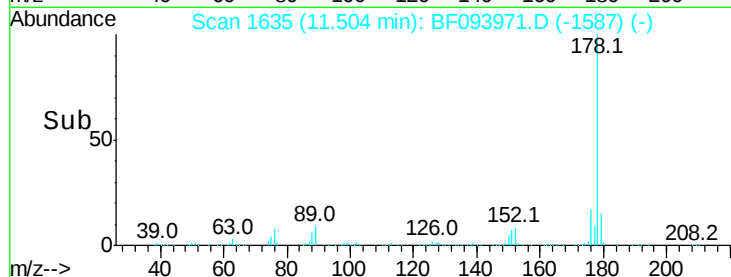
#71
 Anthracene
 Concen: 8.67 ng
 RT: 11.50 min Scan# 1635
 Delta R.T. -0.02 min
 Lab File: BF093971.D
 Acq: 28 Mar 2017 4:44

Instrument :
 BNA_F
 ClientSampleId :
 TS-02

Tot Ion:178 Resp: 233769
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.8 23.8
 179 15.4 12.7 19.1

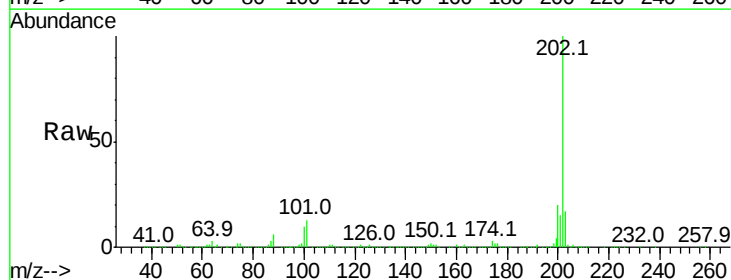


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

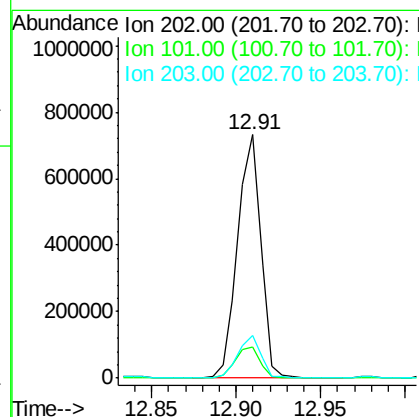
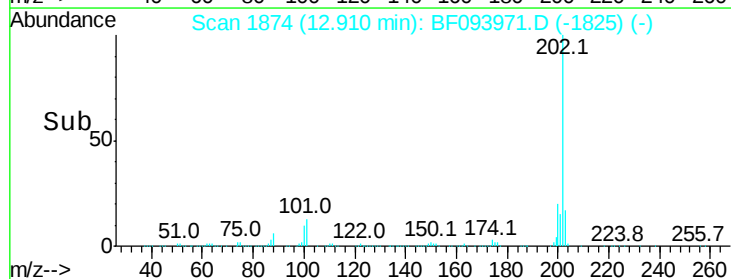


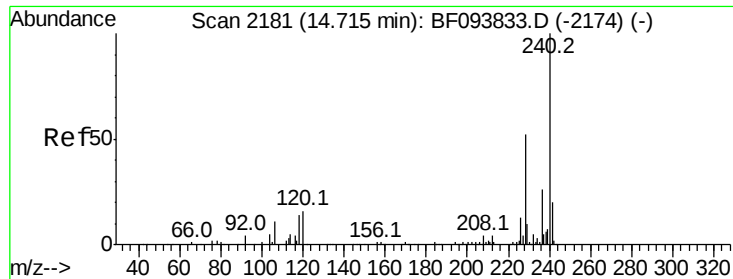
#74
 Fluoranthene
 Concen: 25.96 ng
 RT: 12.91 min Scan# 1874
 Delta R.T. -0.01 min
 Lab File: BF093971.D
 Acq: 28 Mar 2017 4:44

Tgt Ion:202 Resp: 696423
 Ion Ratio Lower Upper
 202 100
 101 12.9 0.0 33.2
 203 17.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.66 min Scan# 2172

Delta R.T. -0.02 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

Instrument :

BNA_F

ClientSampleId :

TS-02

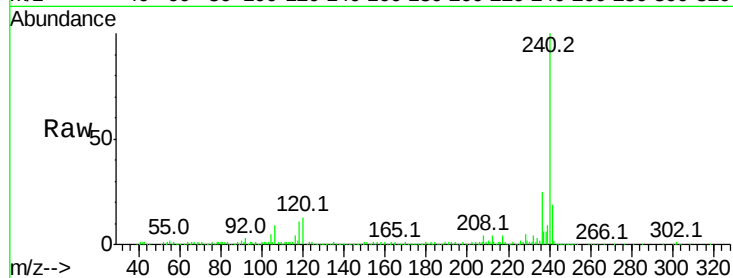
Tot Ion:240 Resp: 333597

Ion Ratio Lower Upper

240 100

120 13.4 5.8 8.8#

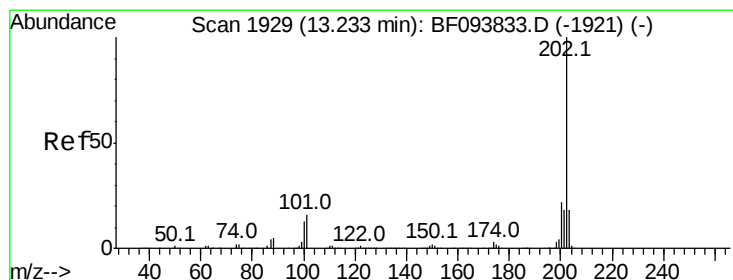
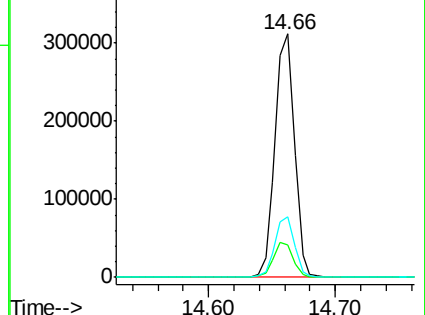
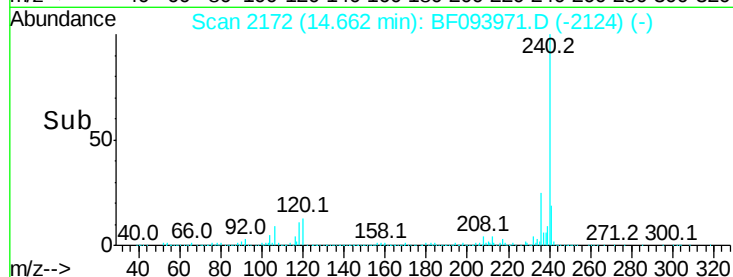
236 25.1 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 21.03 ng

RT: 13.18 min Scan# 1920

Delta R.T. -0.02 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

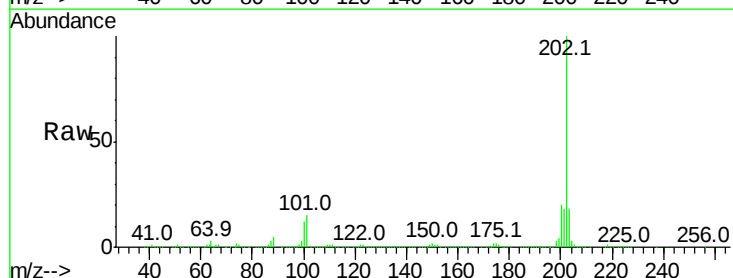
Tgt Ion:202 Resp: 509066

Ion Ratio Lower Upper

202 100

200 20.2 17.6 26.4

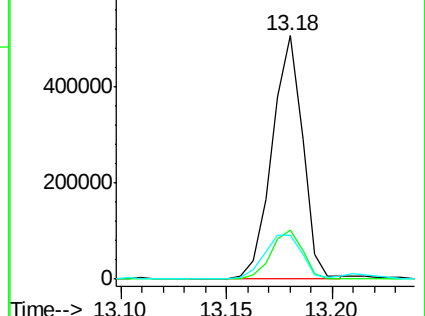
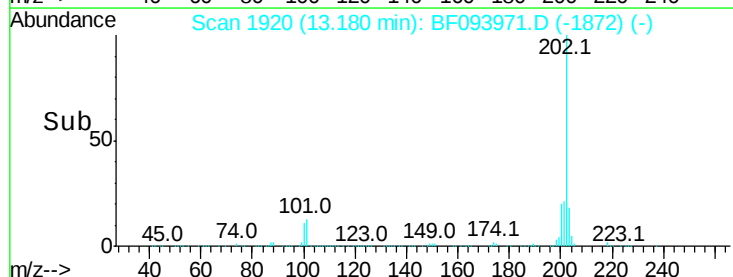
203 18.0 14.4 21.6

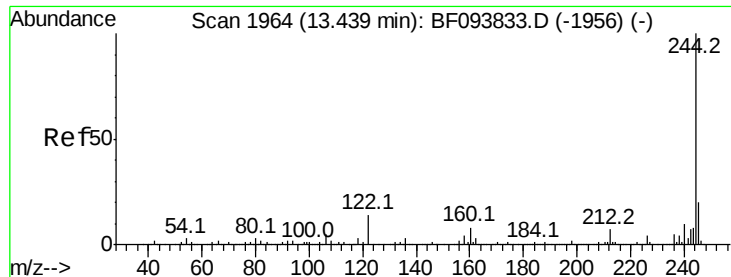


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

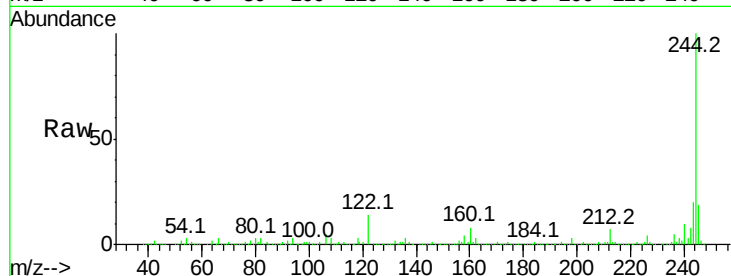




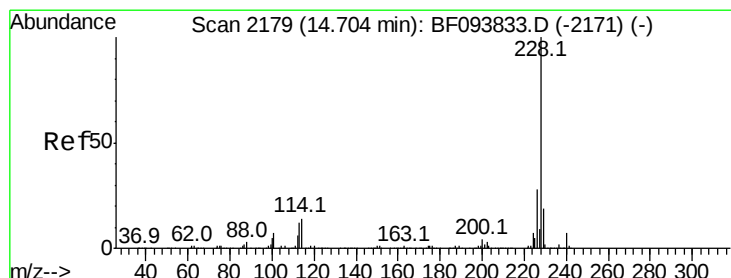
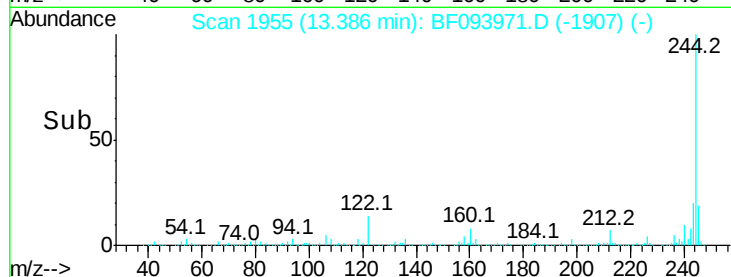
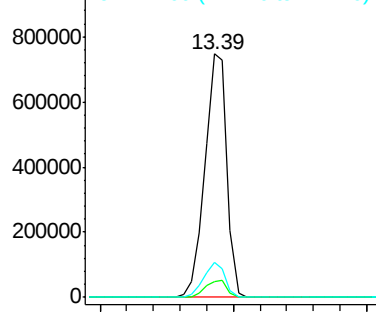
#78
 Terphenyl-d14
 Concen: 57.60 ng
 RT: 13.39 min Scan# 1955
 Delta R.T. -0.02 min
 Lab File: BF093971.D
 Acq: 28 Mar 2017 4:44

Instrument :
 BNA_F
 ClientSampleID :
 TS-02

Tot Ion:244 Resp: 857253
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 14.4 10.3 15.5

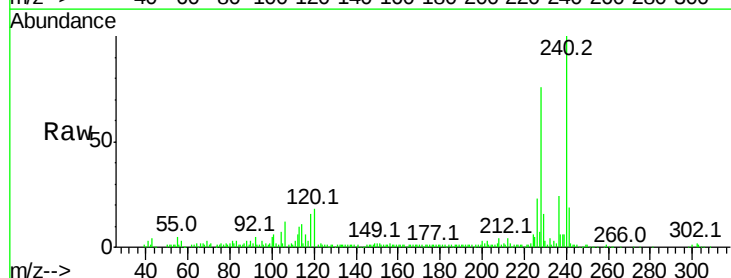


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

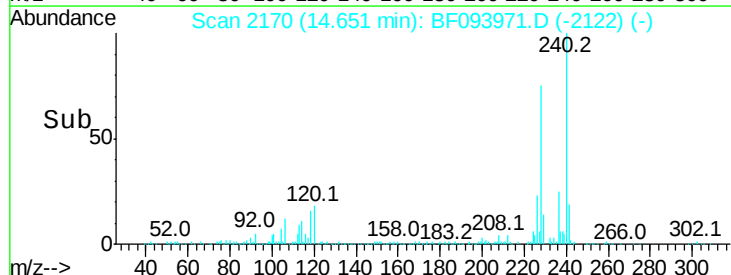
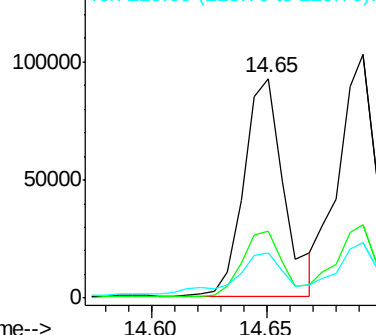


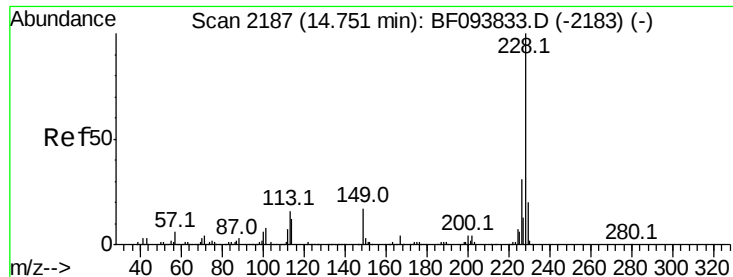
#80
 Benzo(a)anthracene
 Concen: 5.69 ng
 RT: 14.65 min Scan# 2170
 Delta R.T. -0.02 min
 Lab File: BF093971.D
 Acq: 28 Mar 2017 4:44

Tgt Ion:228 Resp: 110763
 Ion Ratio Lower Upper
 228 100
 226 30.7 22.6 33.8
 229 20.8 16.3 24.5



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: 6.32 ng

RT: 14.69 min Scan# 2177

Delta R.T. -0.02 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

Instrument :

BNA_F

ClientSampleId :

TS-02

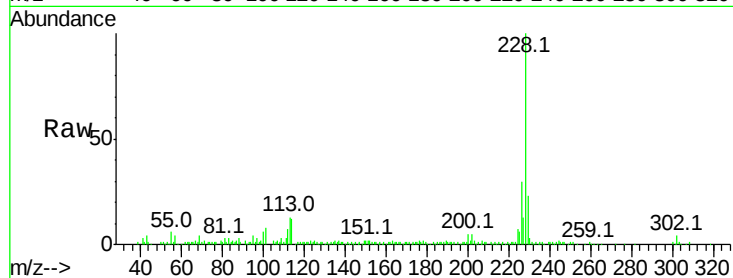
Tot Ion:228 Resp: 114127

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

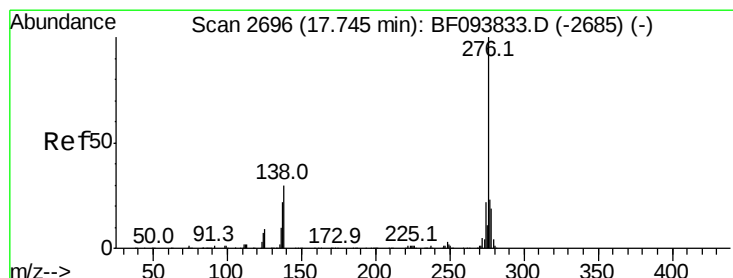
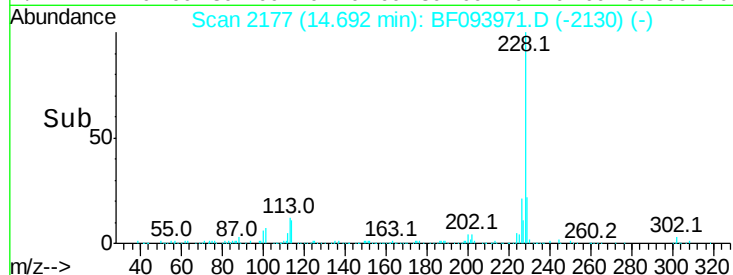
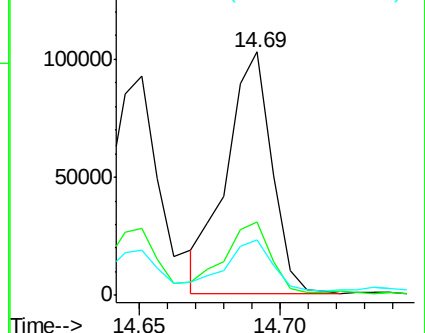
229 22.7 15.8 23.6



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: 2.42 ng

RT: 17.66 min Scan# 2682

Delta R.T. -0.02 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

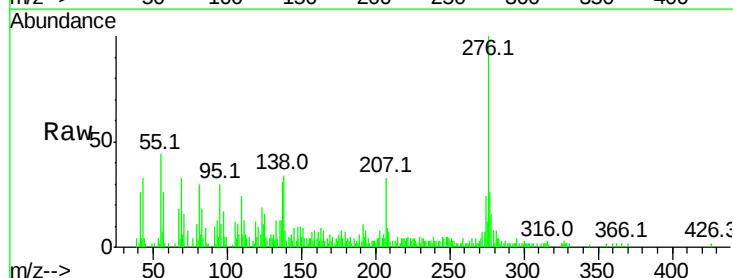
Tgt Ion:276 Resp: 37908

Ion Ratio Lower Upper

276 100

138 34.4 27.8 41.6

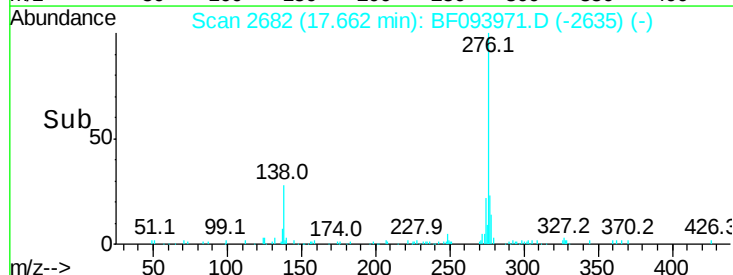
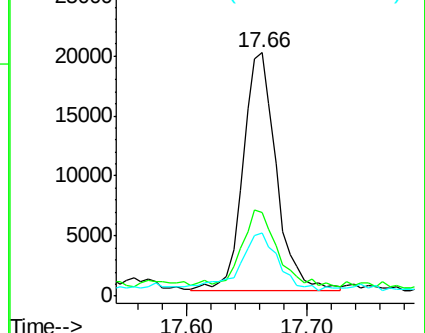
277 29.6 20.2 30.4

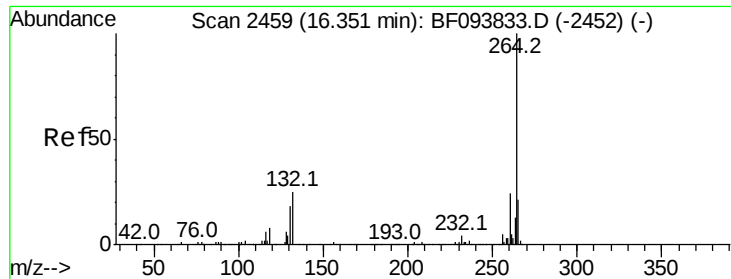


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

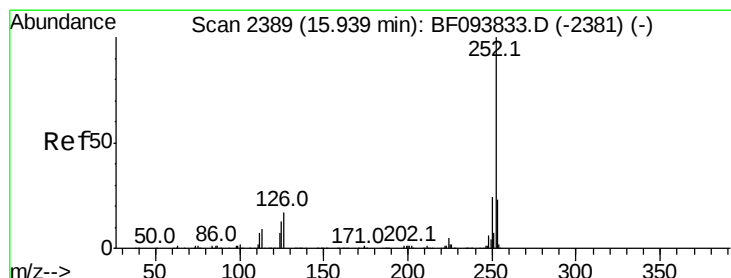
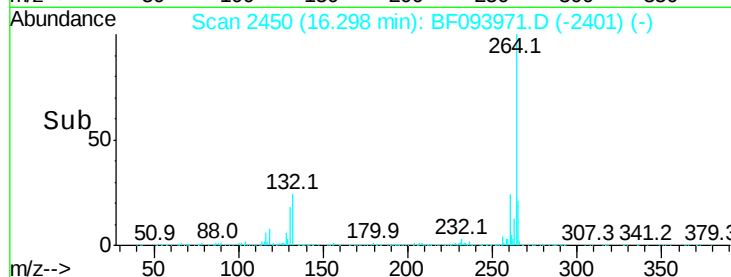
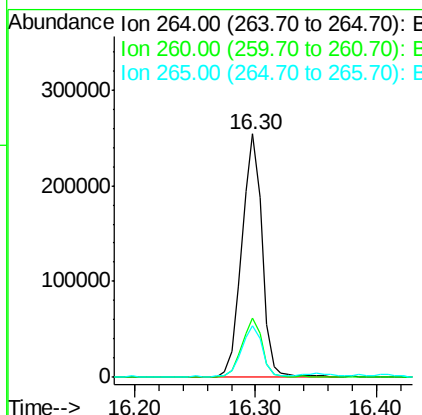
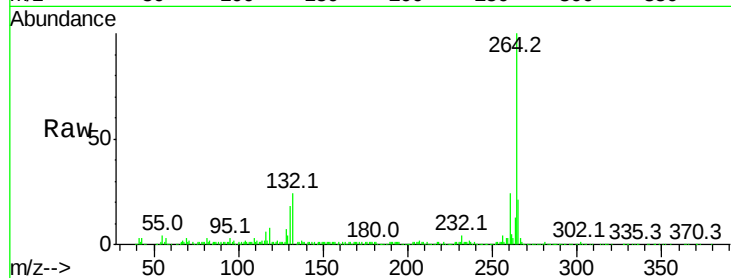




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.30 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BF093971.D
Acq: 28 Mar 2017 4:44

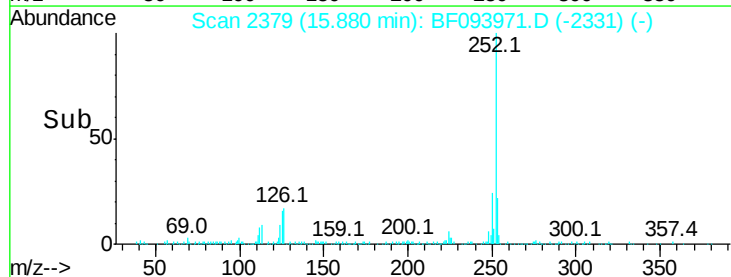
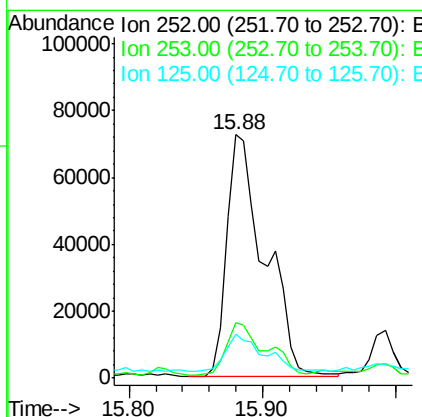
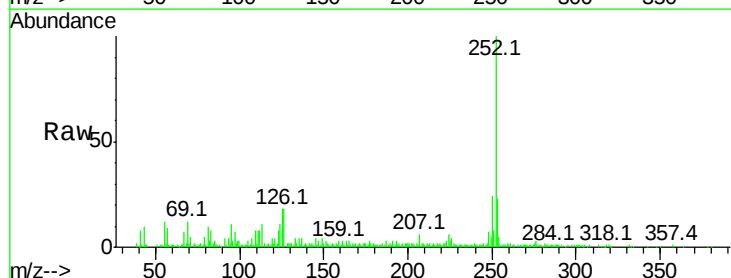
Instrument :
BNA_F
ClientSampleId :
TS-02

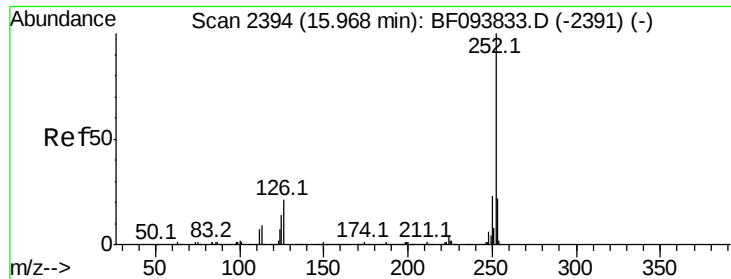
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.3	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 7.82 ng
RT: 15.88 min Scan# 2379
Delta R.T. -0.02 min
Lab File: BF093971.D
Acq: 28 Mar 2017 4:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	18.3	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 7.99 ng

RT: 15.88 min Scan# 2379

Delta R.T. -0.05 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

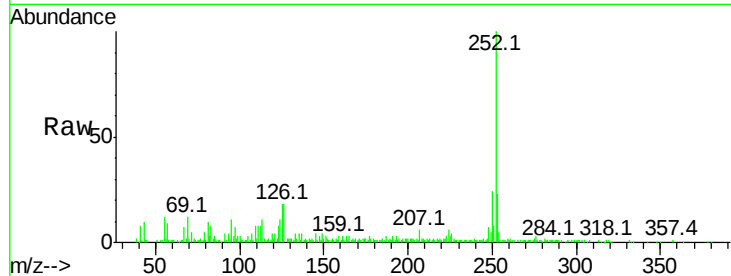
Instrument :

BNA_F

ClientSampleId :

TS-02

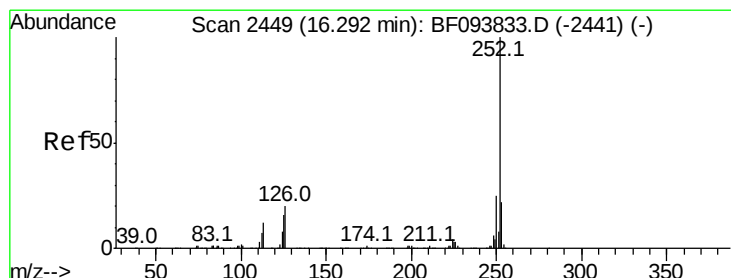
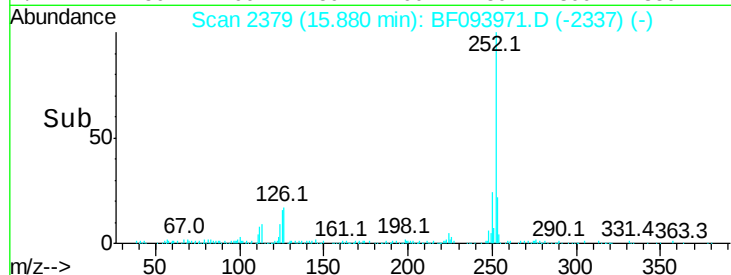
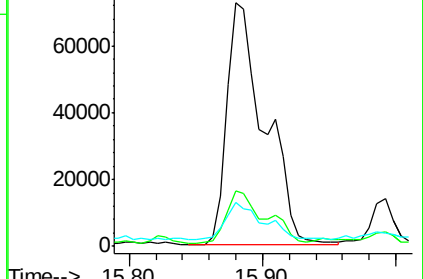
Tot Ion:	252	Resp:	142380
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.4	27.6
125	18.3	13.1	19.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 4.17 ng

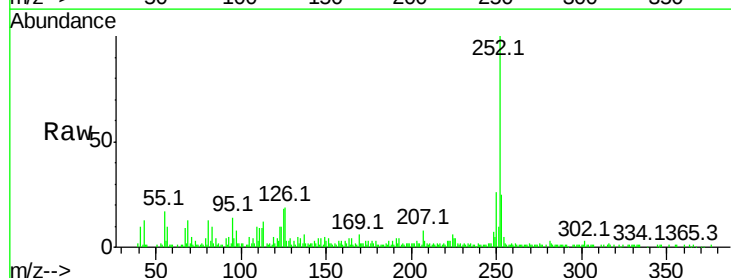
RT: 16.23 min Scan# 2439

Delta R.T. -0.02 min

Lab File: BF093971.D

Acq: 28 Mar 2017 4:44

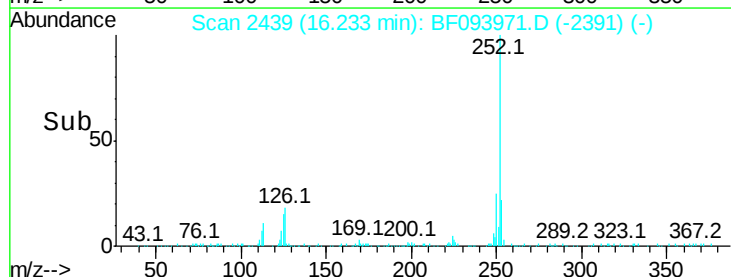
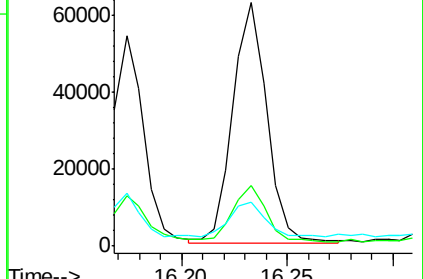
Tgt Ion:	252	Resp:	69977
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.5	26.3
125	18.2	11.0	16.4#

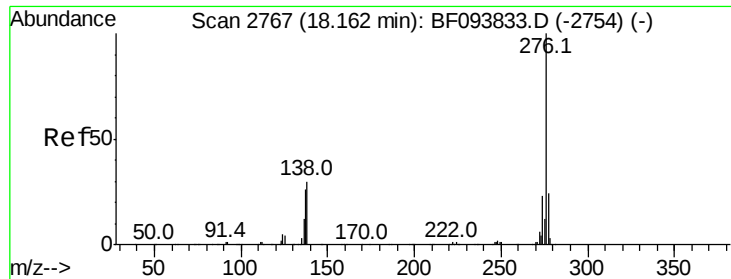


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 2.65 ng
 RT: 18.06 min Scan# 2750
 Delta R.T. -0.04 min
 Lab File: BF093971.D
 Acq: 28 Mar 2017 4:44

Instrument :
 BNA_F
 ClientSampleId :
 TS-02

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	28.0
138	33.8	25.4	38.0

