

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060517\
 Data File : BF095679.D
 Acq On : 5 Jun 2017 18:23
 Operator : SJ/MA
 Sample : I3449-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 01:13:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	95406	20.00	ng	0.00
21) Naphthalene-d8	9.42	136	379029	20.00	ng	0.00
38) Acenaphthene-d10	12.25	164	155639	20.00	ng	0.00
63) Phenanthrene-d10	14.64	188	342289	20.00	ng	0.00
75) Chrysene-d12	18.35	240	226669	20.00	ng	0.00
86) Perylene-d12	20.02	264	45110	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	872064	145.65	ng	0.03
7) Phenol-d6	6.95	99	807893	112.71	ng	0.00
23) Nitrobenzene-d5	8.31	82	579352	94.93	ng	0.00
41) 2,4,6-Tribromophenol	13.55	330	233702	169.71	ng	0.00
44) 2-Fluorobiphenyl	11.21	172	1168349	104.46	ng	0.00
78) Terphenyl-d14	17.02	244	1013403	110.95	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	1.75	88	283	0.10	ng	# 51
4) n-Nitrosodimethylamine	2.23	42	426	0.17	ng	# 1
6) Aniline	7.06	93	1123	0.12	ng	# 1
9) Benzaldehyde	6.95	77	768	0.16	ng	# 1
10) Phenol	7.06	94	1465	0.20	ng	# 1
11) bis(2-Chloroethyl)ether	7.06	93	1123	0.19	ng	# 1
15) Benzyl Alcohol	7.64	79	8997	1.83	ng	# 31
16) 2,2'-oxybis(1-Chloropropan	7.92	45	301	0.04	ng	# 70
19) n-Nitroso-di-n-propylamine	8.31	70	71968	15.84	ng	# 77
24) Nitrobenzene	8.31	77	1356	0.21	ng	# 39
25) Isophorone	8.63	82	120	0.01	ng	# 67
31) Naphthalene	9.47	128	1040	0.05	ng	# 68
32) Benzoic acid	9.42	122	121	5.15	ng	# 62
37) 2-Methylnaphthalene	10.76	142	106	0.01	ng	# 15
45) 1,1'-Biphenyl	11.38	154	2040	0.16	ng	# 77
50) 2,6-Dinitrotoluene	12.25	165	20730	8.04	ng	# 33
51) Acenaphthene	12.25	154	553	0.06	ng	# 4
59) Diethylphthalate	13.05	149	29515	2.60	ng	# 94
62) Azobenzene	13.54	77	1229	0.12	ng	# 25
64) 4,6-Dinitro-2-methylphenol	13.54	198	412	0.18	ng	# 1
65) n-Nitrosodiphenylamine	13.54	169	7853	0.64	ng	# 44
70) Phenanthrene	14.68	178	109	0.01	ng	# 59
71) Anthracene	14.68	178	109	0.01	ng	# 59
73) Di-n-butylphthalate	15.65	149	17580	0.82	ng	# 94
74) Fluoranthene	16.49	202	124	0.01	ng	# 62
77) Pyrene	16.49	202	124	0.01	ng	# 56
79) Butylbenzylphthalate	17.68	149	121	0.02	ng	# 32
80) Benzo(a)anthracene	18.35	228	581	0.04	ng	# 25
82) Chrysene	18.35	228	581	0.04	ng	# 23
83) Bis(2-ethylhexyl)phthalate	18.43	149	3060	0.29	ng	# 96
84) Di-n-octyl phthalate	19.21	149	438	0.03	ng	# 1
89) Benzo(a)pyrene	20.04	252	519	0.20	ng	# 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration

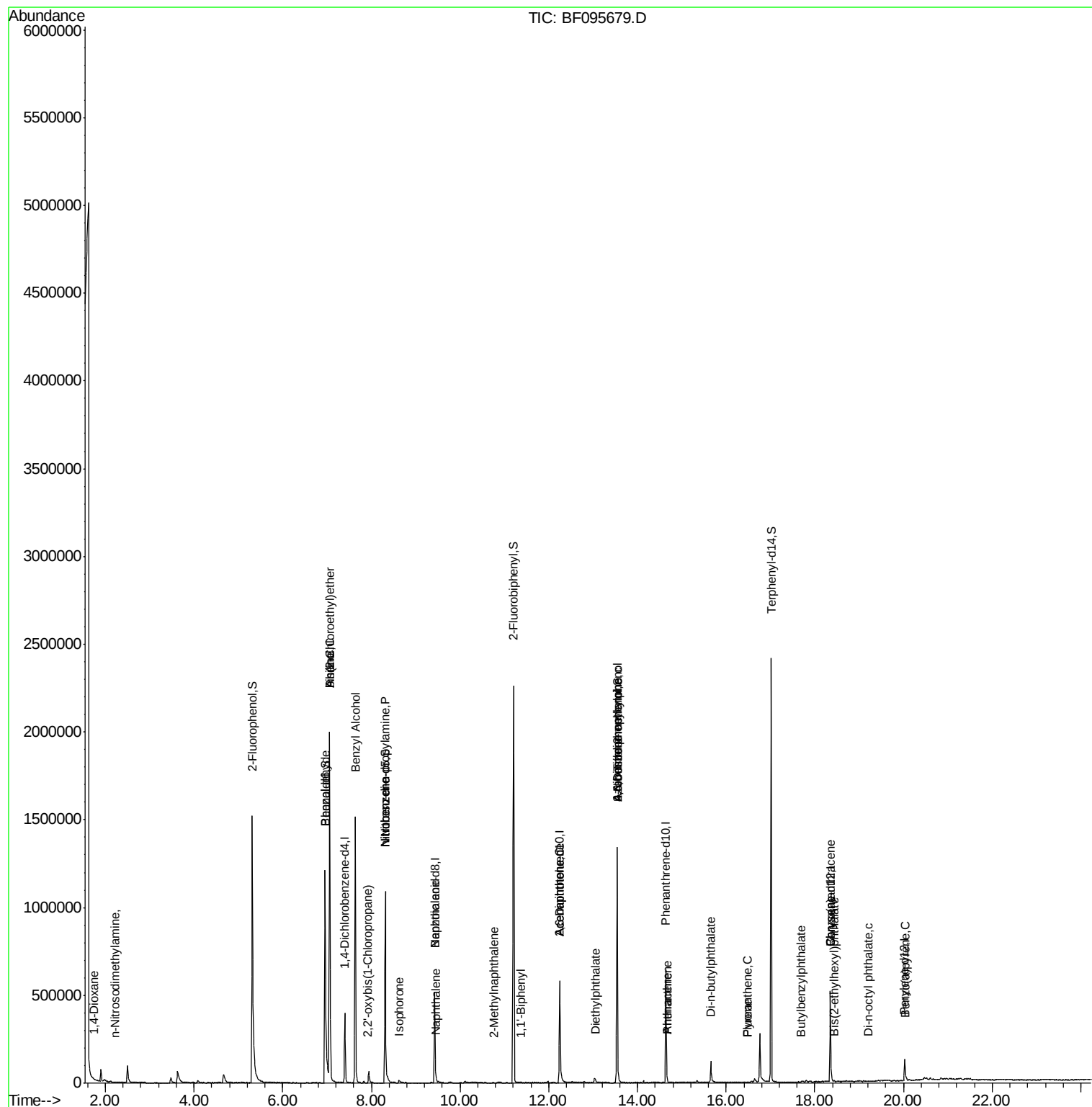
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

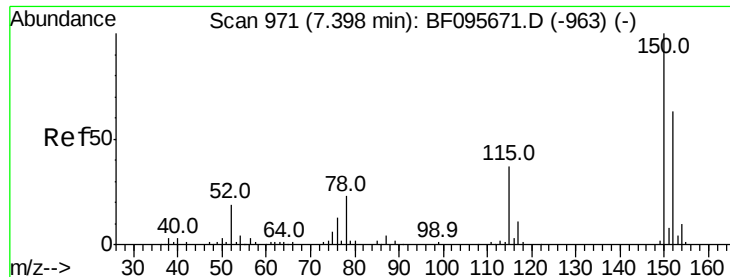
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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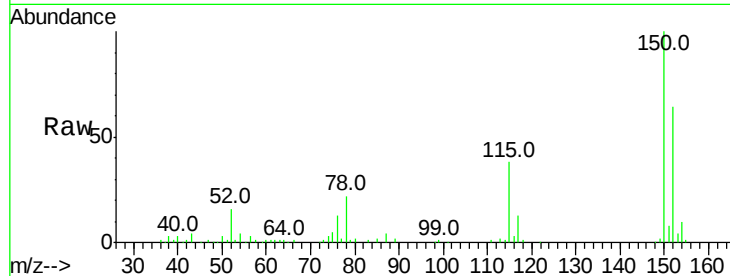


#1

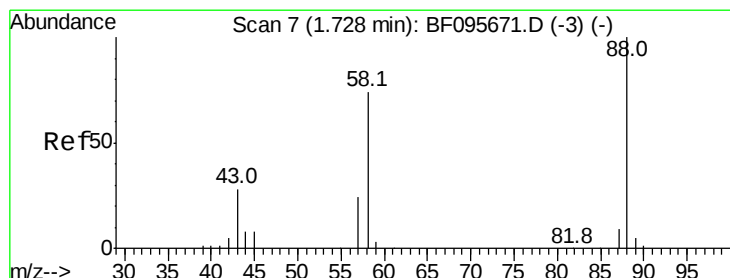
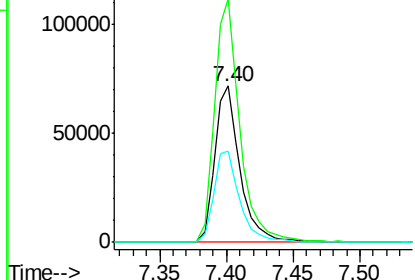
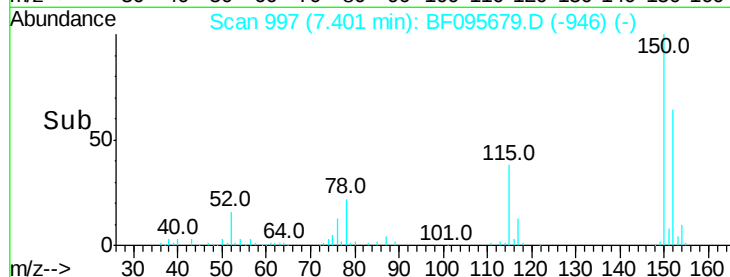
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.40 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF095679.D
Acq: 5 Jun 2017 18:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 95406
Ion Ratio Lower Upper
152 100
150 155.6 126.2 189.2
115 58.6 52.2 78.2



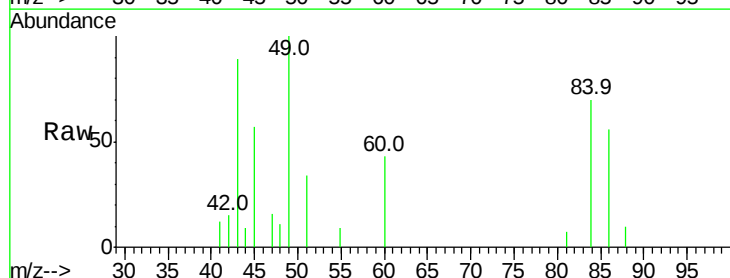
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



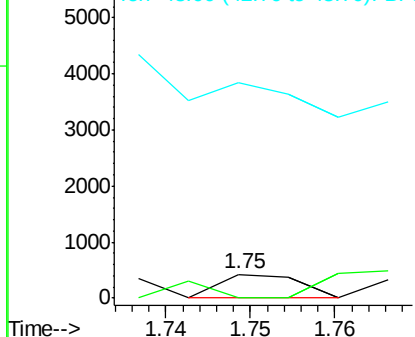
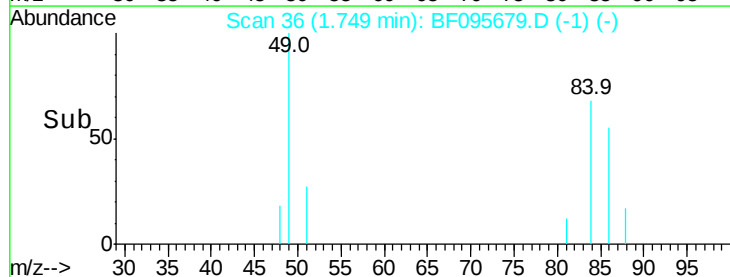
#2

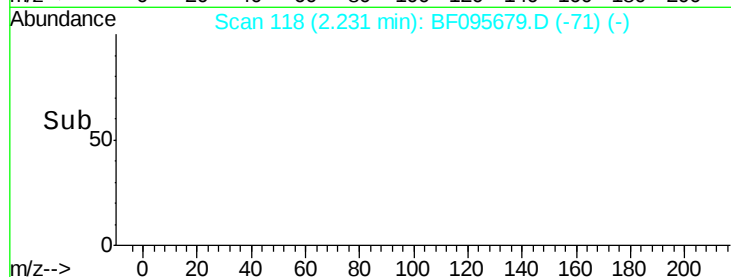
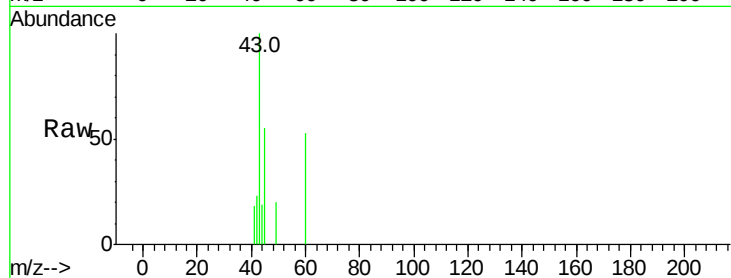
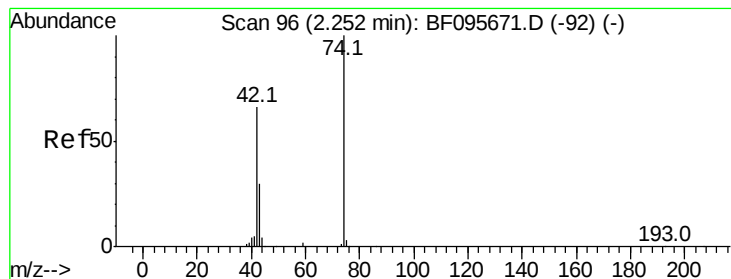
1,4-Dioxane
Concen: 0.10 ng
RT: 1.75 min Scan# 36
Delta R.T. 0.02 min
Lab File: BF095679.D
Acq: 5 Jun 2017 18:23

Tgt Ion: 88 Resp: 283
Ion Ratio Lower Upper
88 100
58 117.3 61.4 92.0#
43 0.0 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.17 ng

RT: 2.23 min Scan# 118

Delta R.T. -0.02 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

Instrument :

BNA_F

ClientSampled :

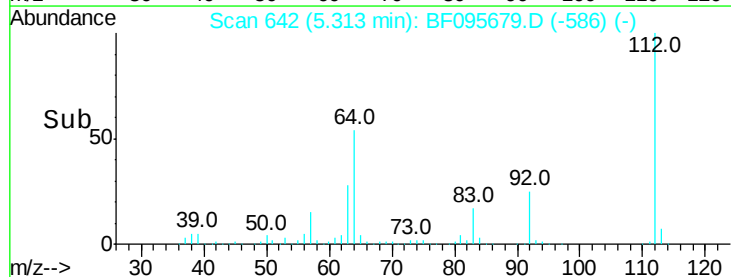
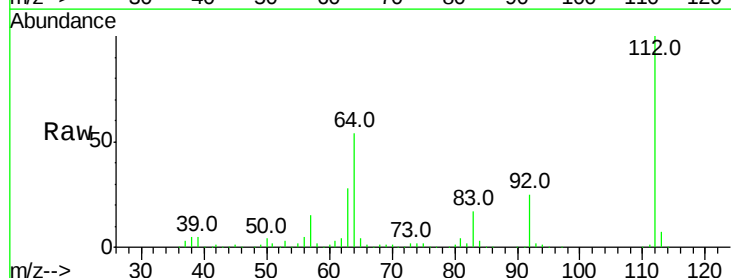
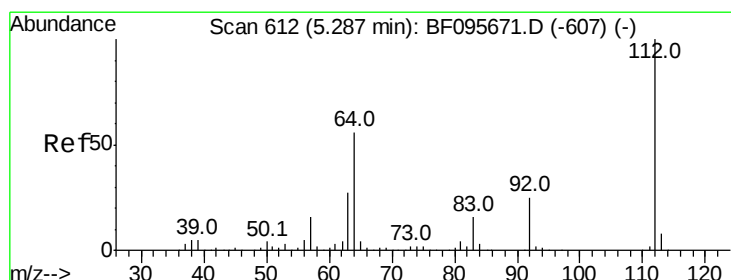
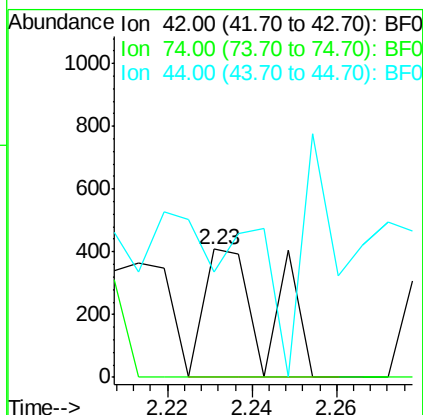
Tot Ion: 42 Resp: 426

Ion Ratio Lower Upper

42 100

74 0.0 103.9 155.9#

44 82.1 5.7 8.5#



#5

2-Fluorophenol

Concen: 145.65 ng

RT: 5.31 min Scan# 642

Delta R.T. 0.03 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

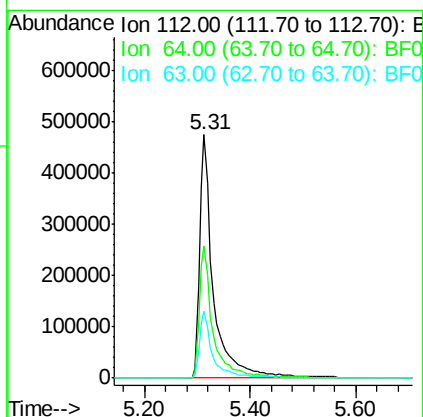
Tgt Ion: 112 Resp: 872064

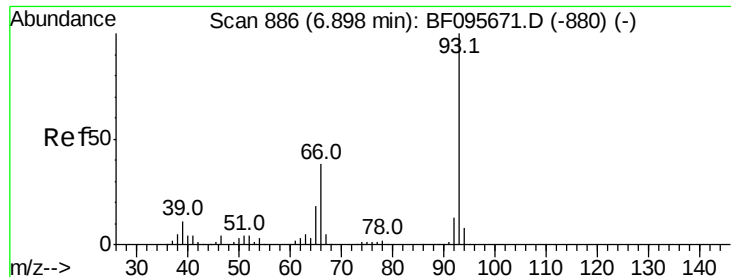
Ion Ratio Lower Upper

112 100

64 54.1 46.0 69.0

63 27.6 23.4 35.0





#6

Aniline

Concen: 0.12 ng

RT: 7.06 min Scan# 939

Delta R.T. 0.16 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

Instrument :

BNA_F

ClientSampleId :

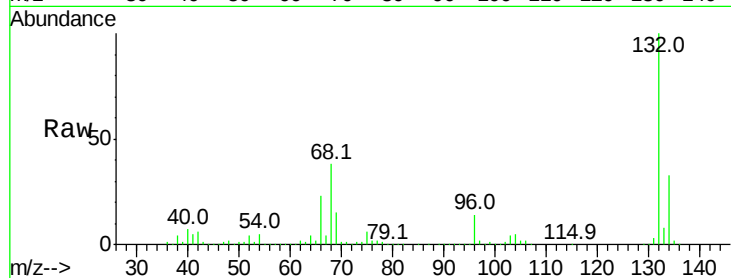
Tot Ion: 93 Resp: 1123

Ion Ratio Lower Upper

93 100

66 14380.2 32.9 49.3#

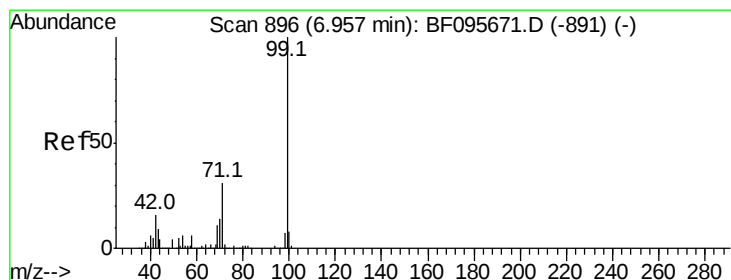
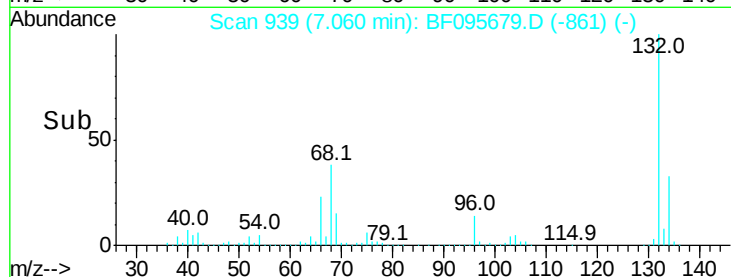
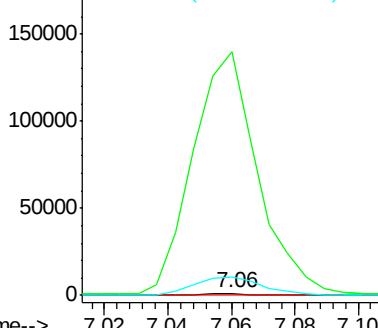
65 1080.2 16.0 24.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 112.71 ng

RT: 6.95 min Scan# 921

Delta R.T. -0.00 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

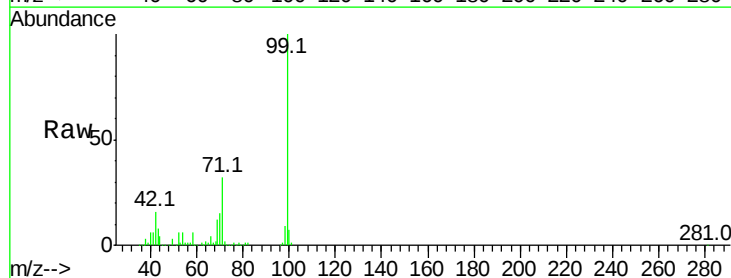
Tgt Ion: 99 Resp: 807893

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

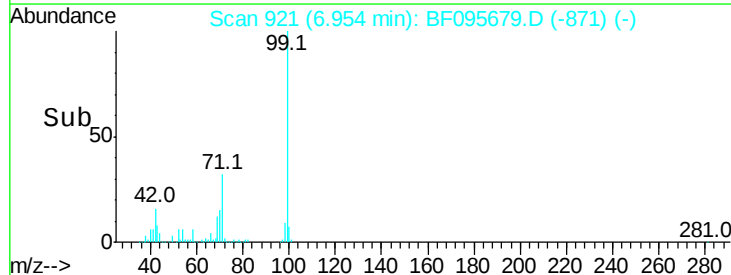
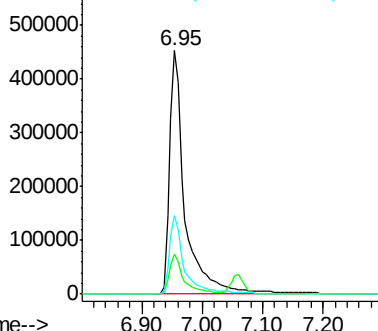
71 32.2 24.5 36.7

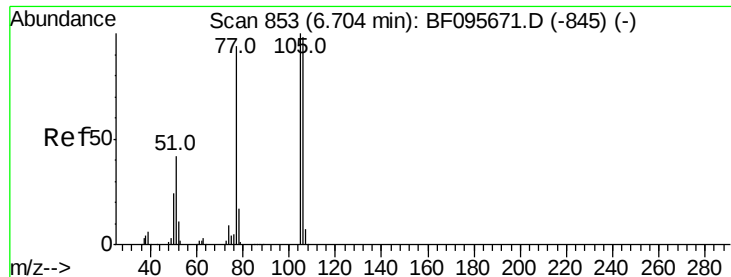


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 0.16 ng

RT: 6.95 min Scan# 921

Delta R.T. 0.25 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

Instrument :

BNA_F

ClientSampled :

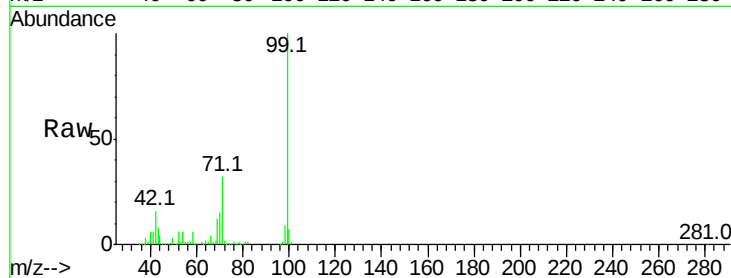
Tot Ion: 77 Resp: 768

Ion Ratio Lower Upper

77 100

105 0.0 83.8 123.8#

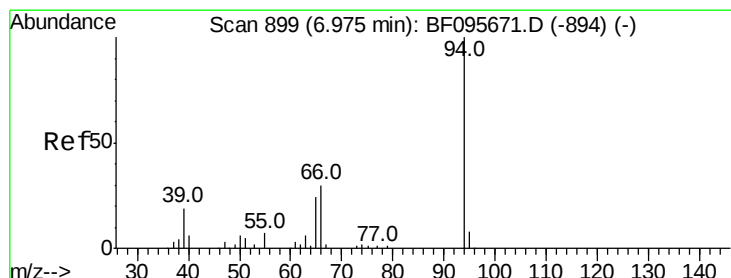
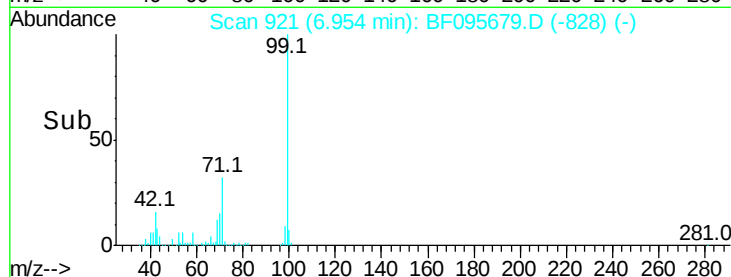
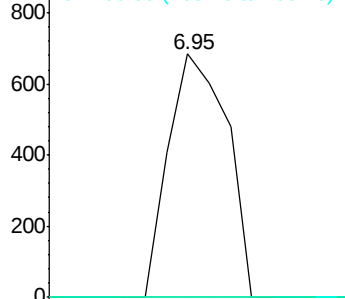
106 0.0 79.1 119.1#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 0.20 ng

RT: 7.06 min Scan# 939

Delta R.T. 0.09 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

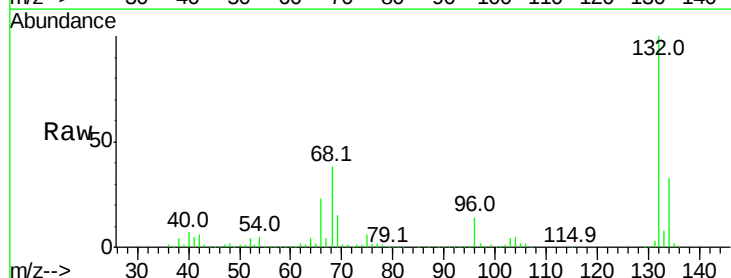
Tgt Ion: 94 Resp: 1465

Ion Ratio Lower Upper

94 100

65 774.3 9.9 49.9#

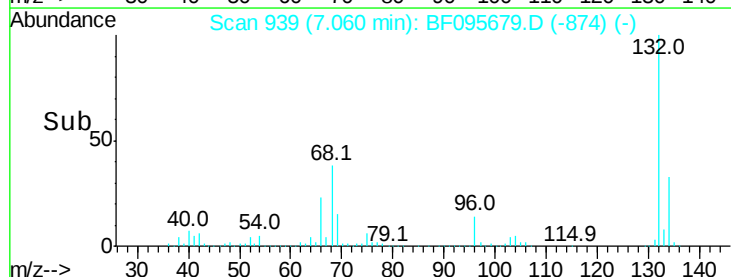
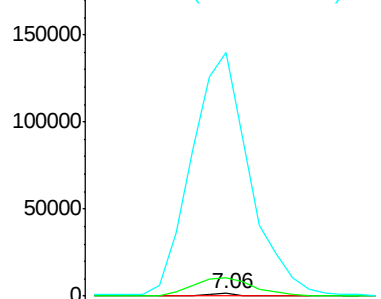
66 10308.0 23.1 63.1#

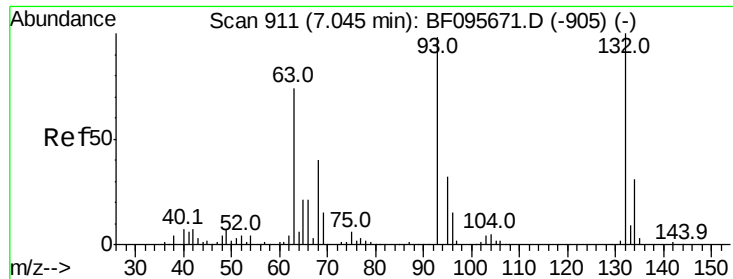


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 0.19 ng

RT: 7.06 min Scan# 939

Delta R.T. 0.01 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

Instrument :

BNA_F

ClientSampleId :

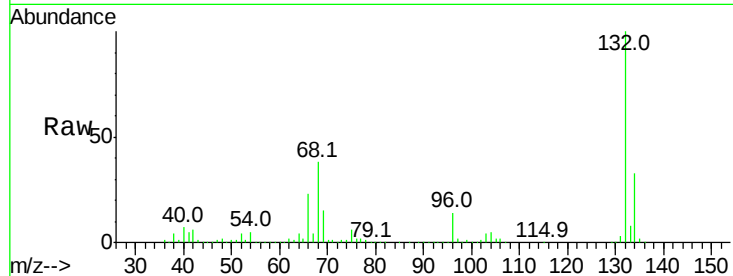
Tot Ion: 93 Resp: 1123

Ion Ratio Lower Upper

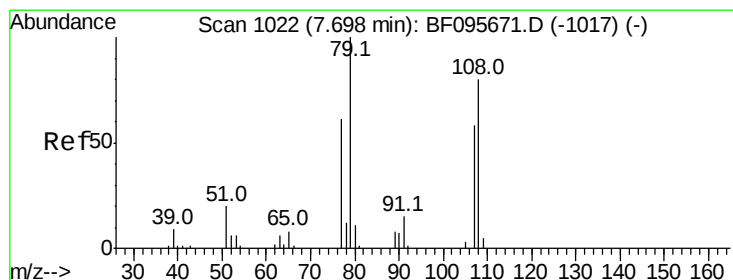
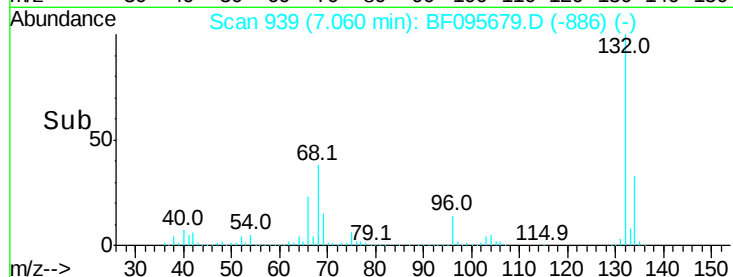
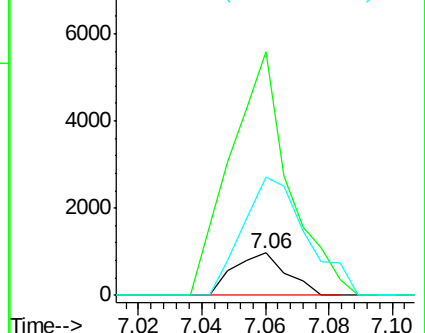
93 100

63 574.3 59.2 99.2#

95 279.5 12.8 52.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0



#15

Benzyl Alcohol

Concen: 1.83 ng

RT: 7.64 min Scan# 1037

Delta R.T. -0.06 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

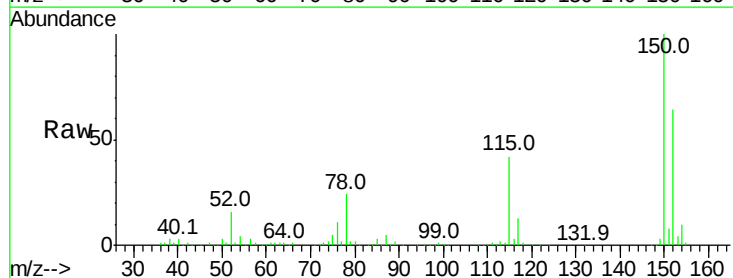
Tgt Ion: 79 Resp: 8997

Ion Ratio Lower Upper

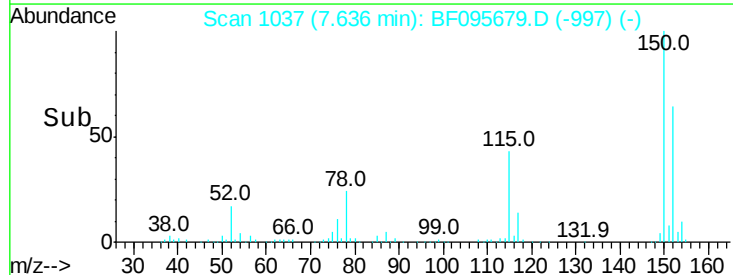
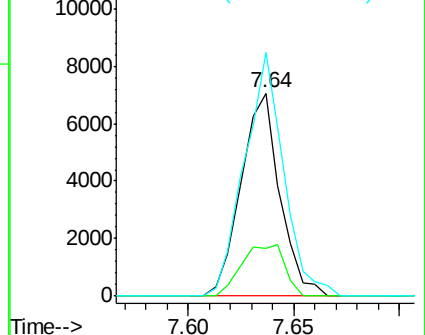
79 100

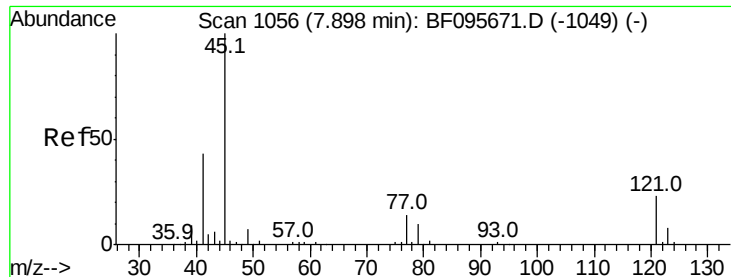
108 23.6 63.4 95.0#

77 119.9 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

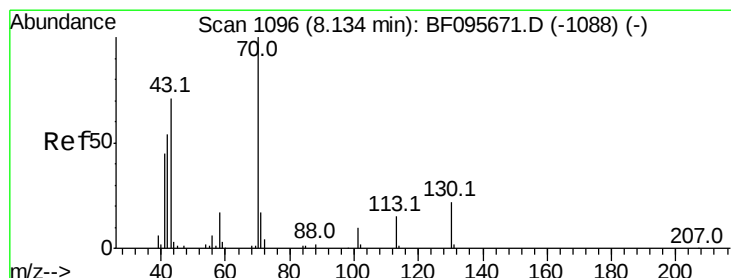
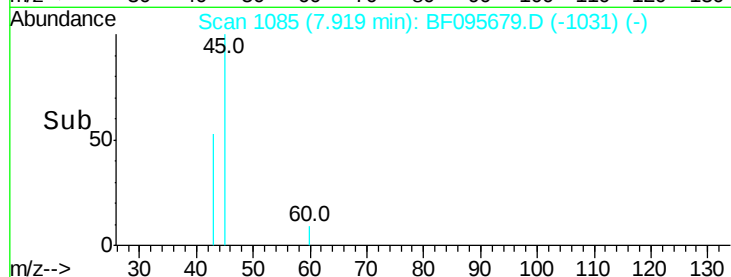
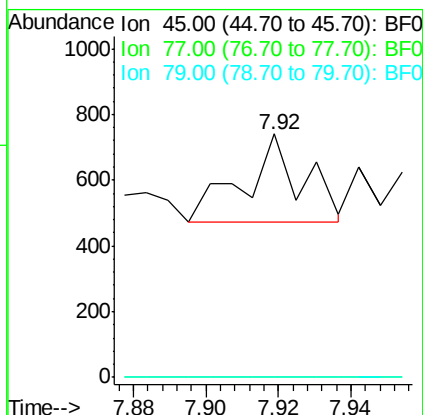
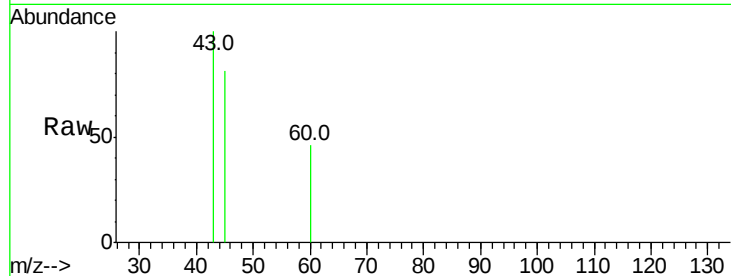




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.04 ng
RT: 7.92 min Scan# 1085
Delta R.T. 0.02 min
Lab File: BF095679.D
Acq: 5 Jun 2017 18:23

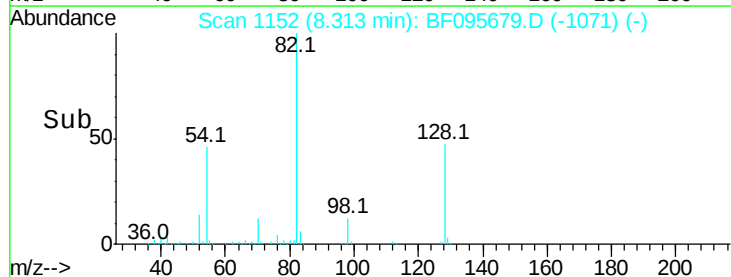
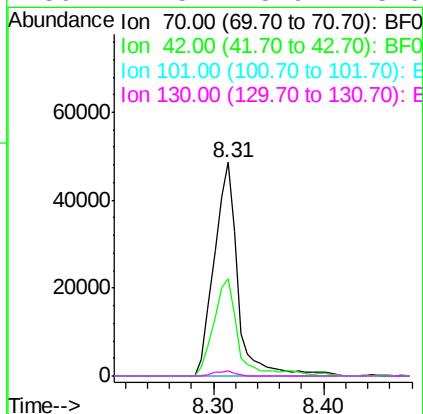
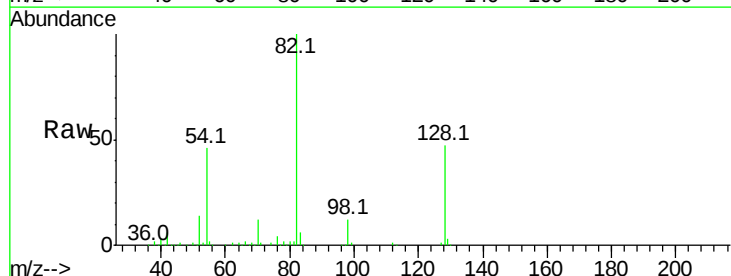
Instrument :
BNA_F
ClientSampled :

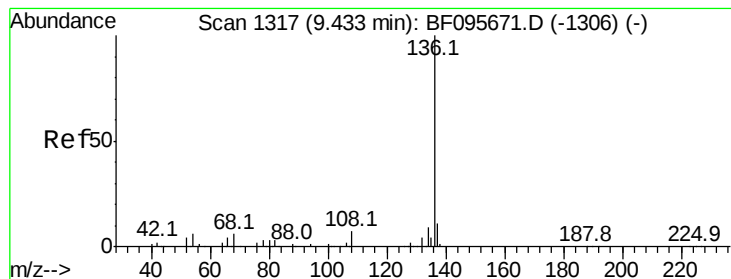
Tot Ion: 45 Resp: 301
Ion Ratio Lower Upper
45 100
77 0.0 0.0 33.2
79 0.0 0.0 30.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.84 ng
RT: 8.31 min Scan# 1152
Delta R.T. 0.18 min
Lab File: BF095679.D
Acq: 5 Jun 2017 18:23

Tgt Ion: 70 Resp: 71968
Ion Ratio Lower Upper
70 100
42 45.6 47.2 70.8#
101 0.0 7.2 10.8#
130 2.5 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.42 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 379029

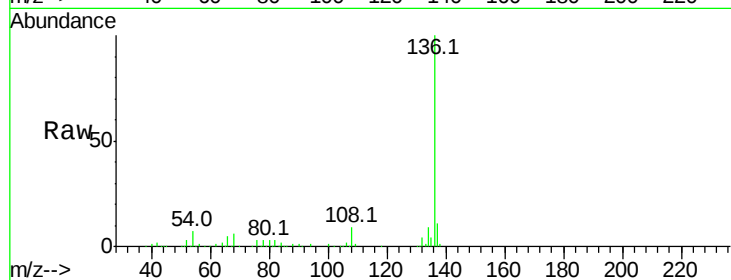
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.9 4.9 7.3

68 5.8 4.1 6.1

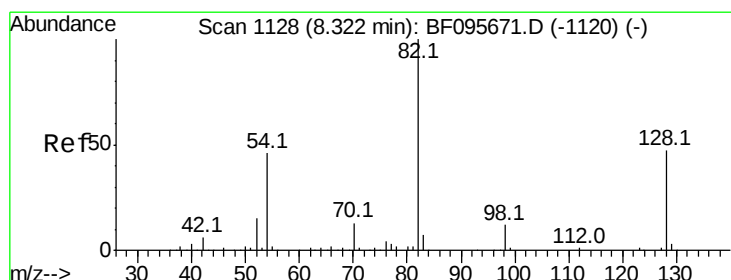
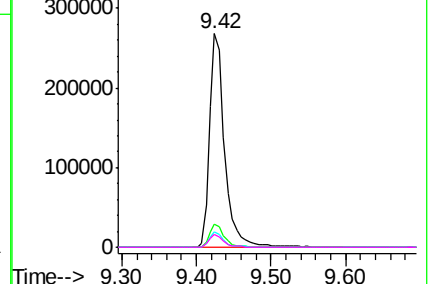
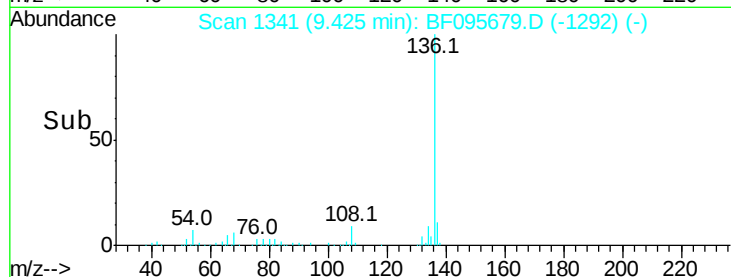


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 94.93 ng

RT: 8.31 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

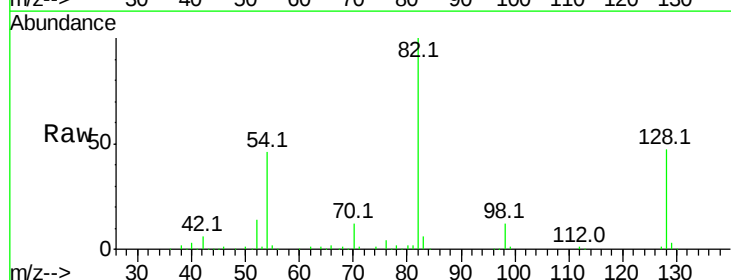
Tgt Ion: 82 Resp: 579352

Ion Ratio Lower Upper

82 100

128 47.0 34.0 51.0

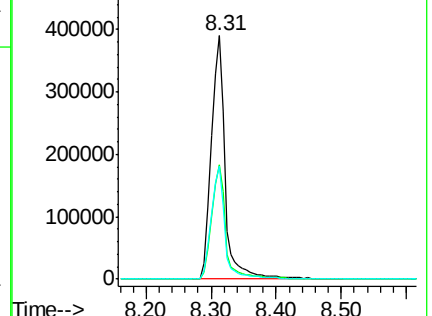
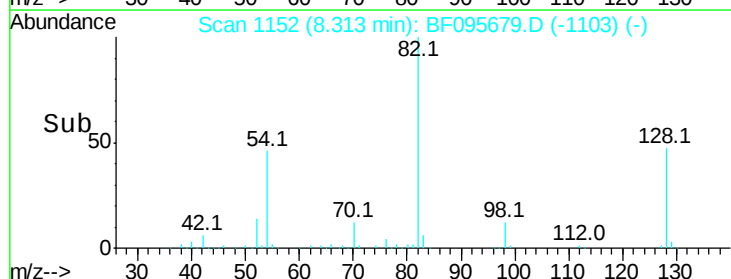
54 46.4 42.2 63.2

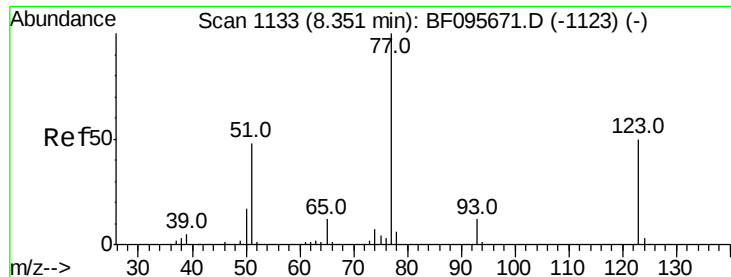


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 0.21 ng

RT: 8.31 min Scan# 1151

Delta R.T. -0.04 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

Instrument :

BNA_F

ClientSampleId :

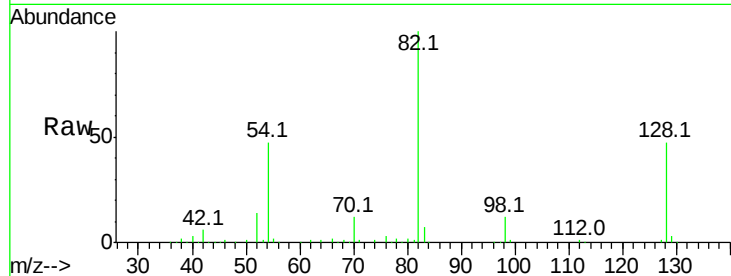
Tot Ion: 77 Resp: 1356

Ion Ratio Lower Upper

77 100

123 0.0 35.8 53.8#

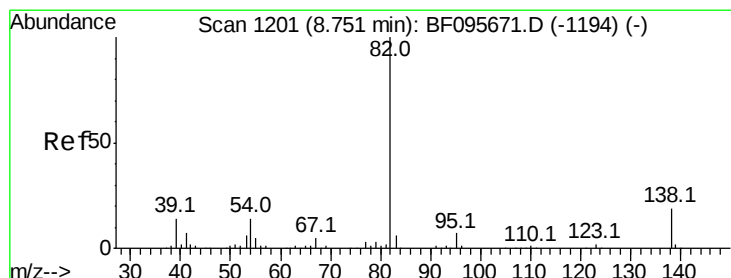
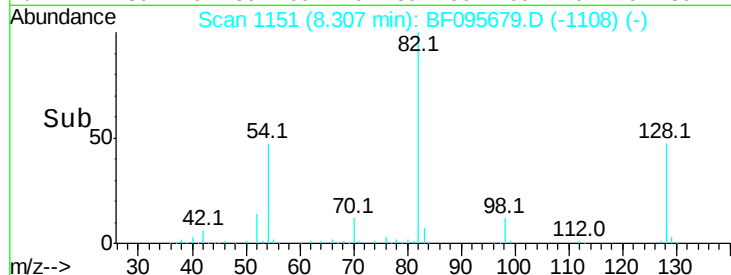
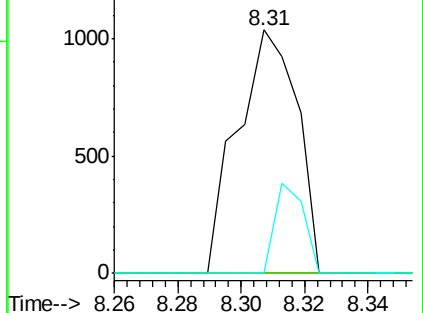
65 0.0 10.6 15.8#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 0.01 ng

RT: 8.63 min Scan# 1206

Delta R.T. -0.12 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

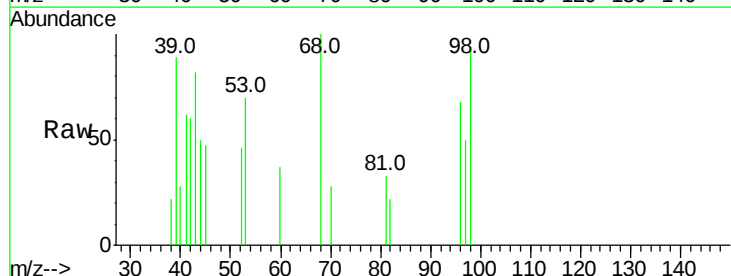
Tgt Ion: 82 Resp: 120

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

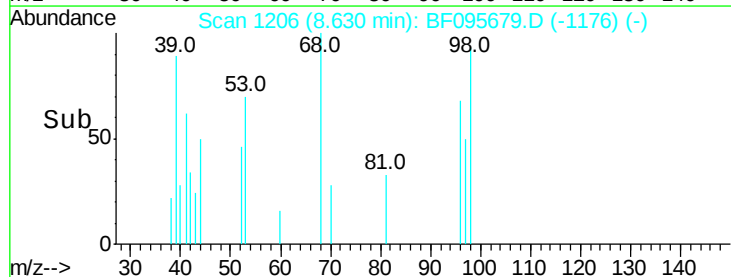
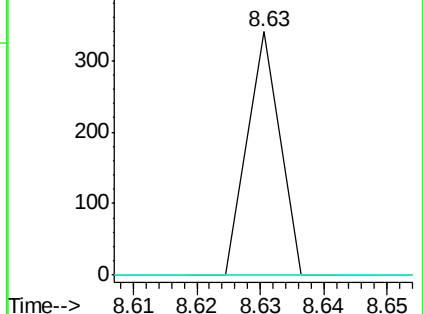
138 0.0 13.1 19.7#

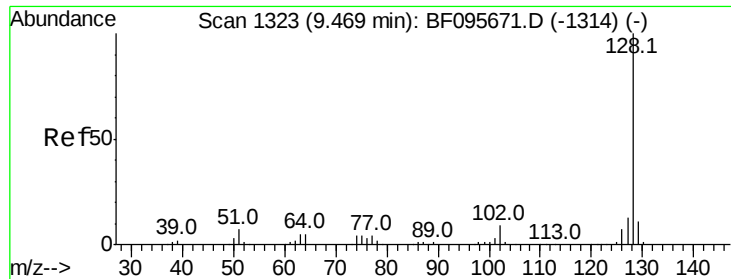


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

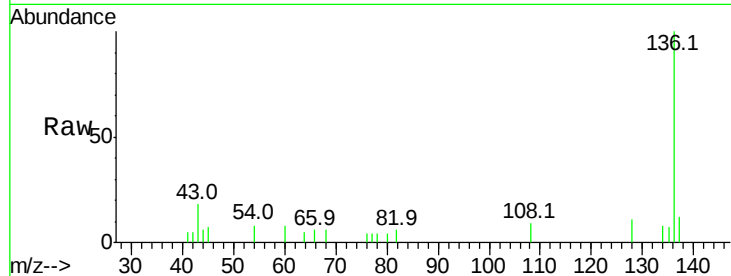




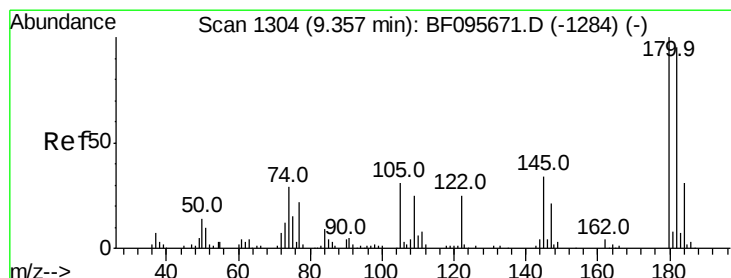
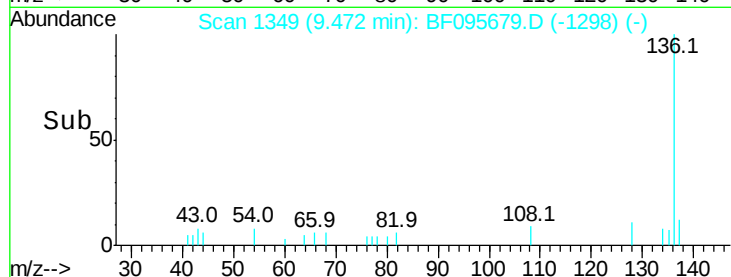
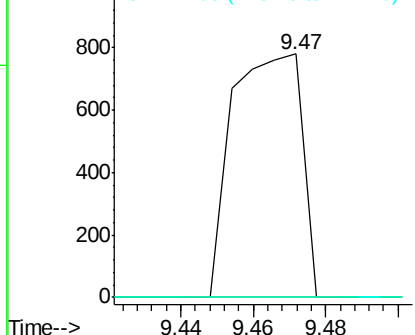
#31
Naphthalene
Concen: 0.05 ng
RT: 9.47 min Scan# 1349
Delta R.T. 0.00 min
Lab File: BF095679.D
Acq: 5 Jun 2017 18:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:128 Resp: 1040
Ion Ratio Lower Upper
128 100
129 0.0 9.0 13.6#
127 0.0 10.8 16.2#

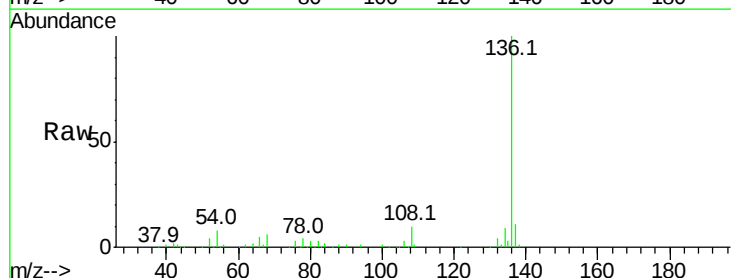


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

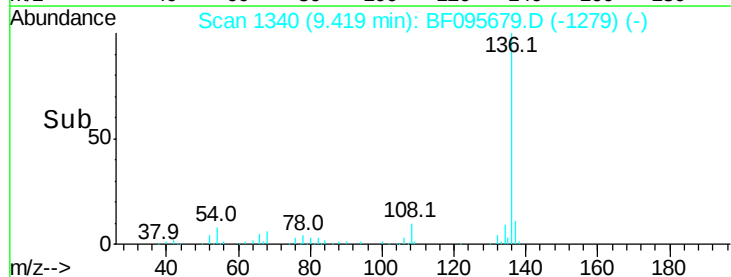
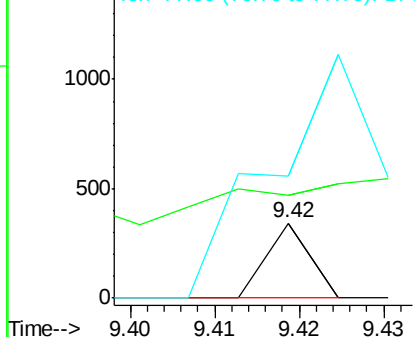


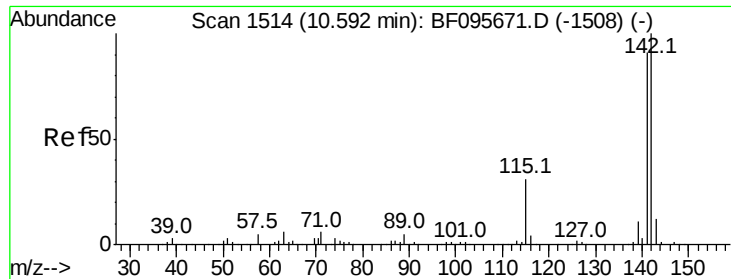
#32
Benzoic acid
Concen: 5.15 ng
RT: 9.42 min Scan# 1340
Delta R.T. 0.06 min
Lab File: BF095679.D
Acq: 5 Jun 2017 18:23

Tgt Ion:122 Resp: 121
Ion Ratio Lower Upper
122 100
105 137.3 103.3 143.3
77 162.4 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

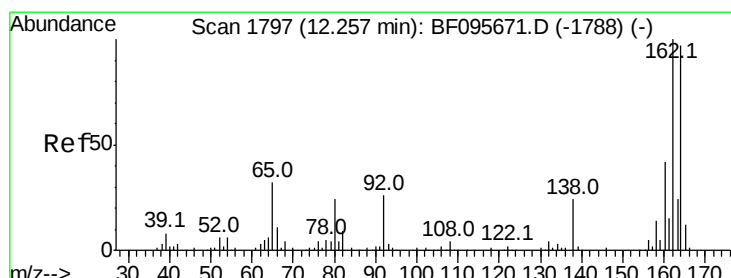
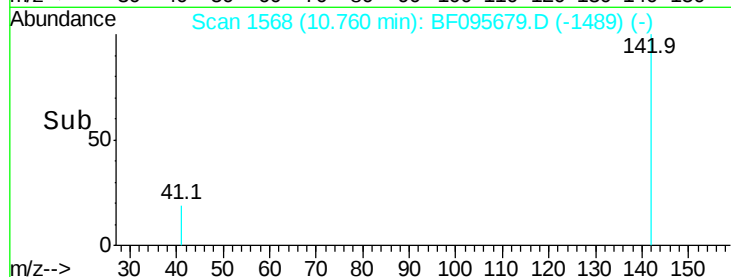
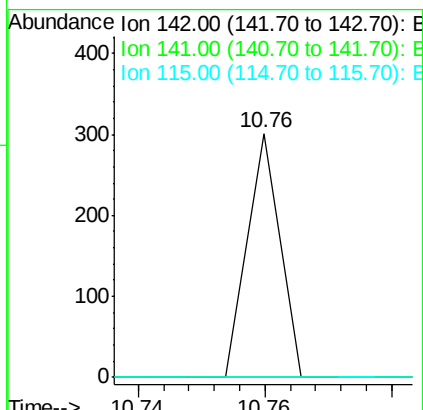
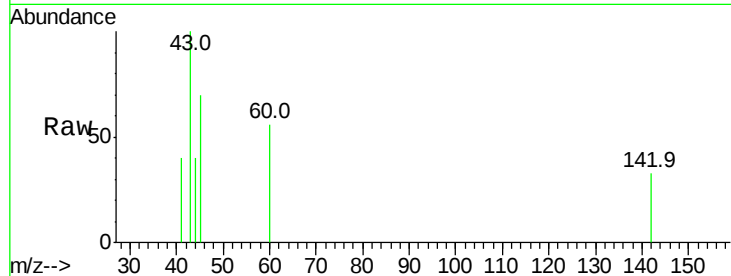




#37
2-Methylnaphthalene
Concen: 0.01 ng
RT: 10.76 min Scan# 1568
Delta R.T. 0.17 min
Lab File: BF095679.D
Acq: 5 Jun 2017 18:23

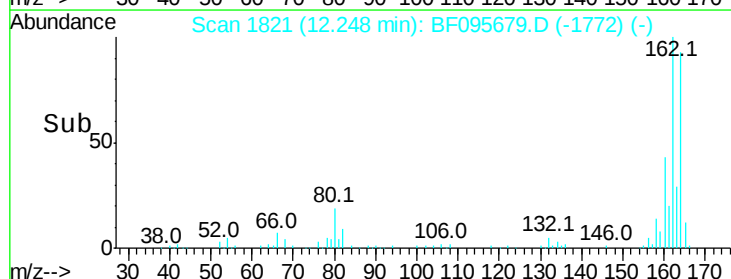
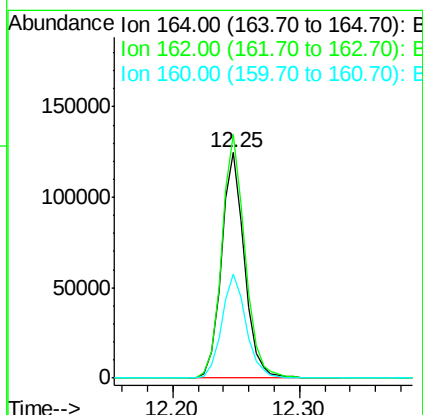
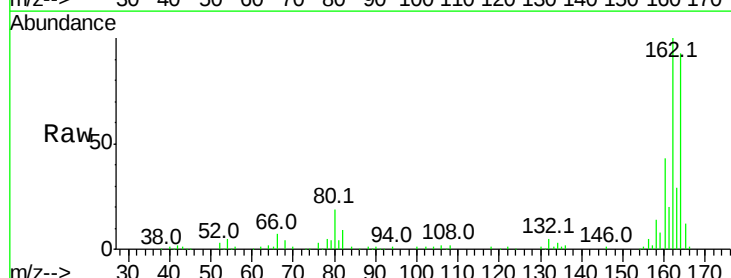
Instrument :
BNA_F
ClientSampleId :

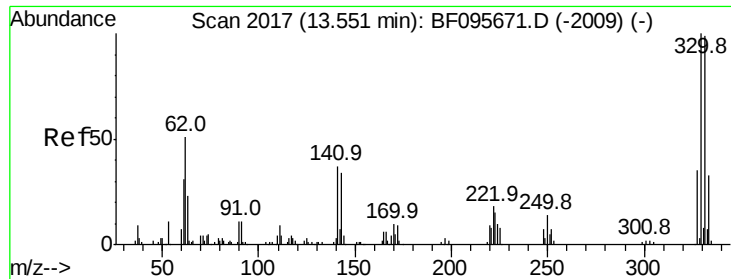
Tot Ion:142 Resp: 106
Ion Ratio Lower Upper
142 100
141 0.0 71.3 106.9#
115 0.0 27.1 40.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.25 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF095679.D
Acq: 5 Jun 2017 18:23

Tgt Ion:164 Resp: 155639
Ion Ratio Lower Upper
164 100
162 108.1 82.6 123.8
160 46.2 36.2 54.2

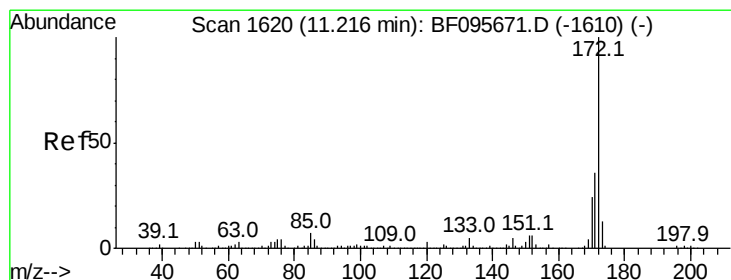
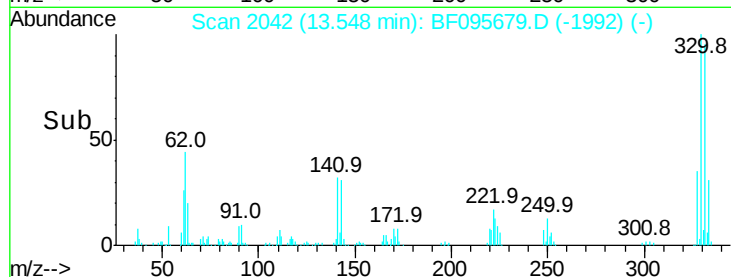
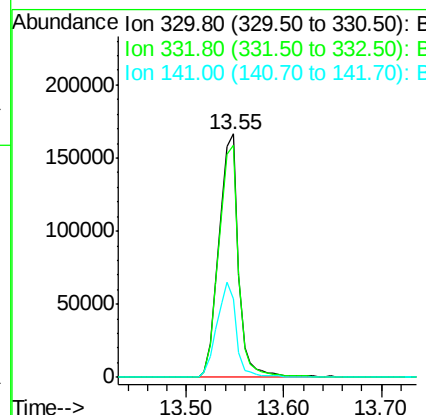
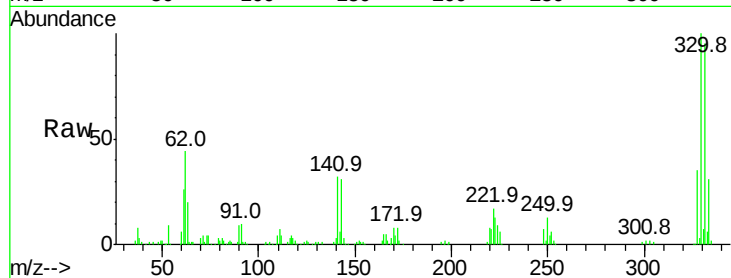




#41
 2,4,6-Tribromophenol
 Concen: 169.71 ng
 RT: 13.55 min Scan# 2042
 Delta R.T. -0.00 min
 Lab File: BF095679.D
 Acq: 5 Jun 2017 18:23

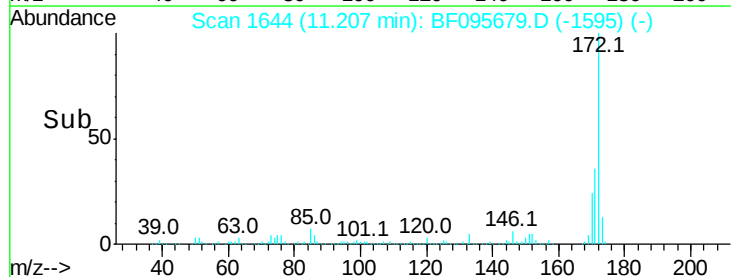
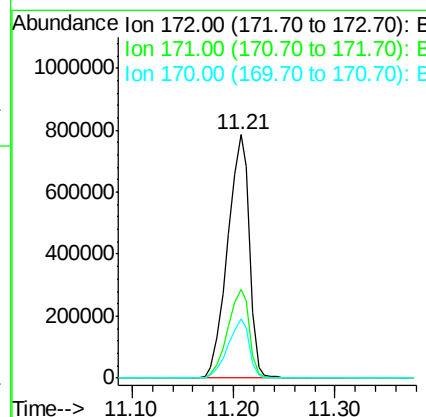
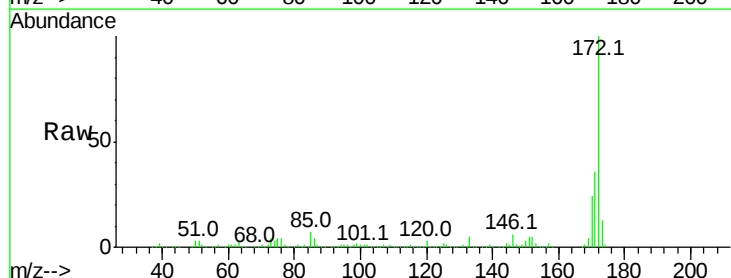
Instrument :
 BNA_F
 ClientSampleId :

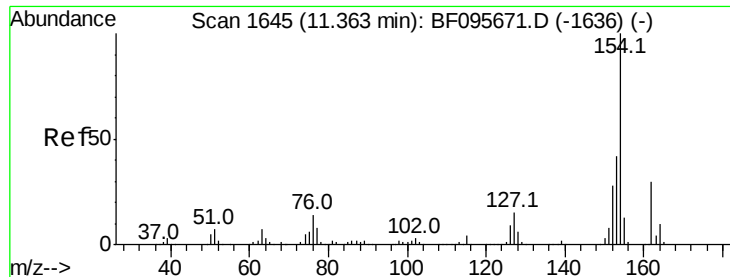
Tot Ion:330 Resp: 233702
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.6 115.0
 141 38.2 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 104.46 ng
 RT: 11.21 min Scan# 1644
 Delta R.T. -0.01 min
 Lab File: BF095679.D
 Acq: 5 Jun 2017 18:23

Tgt Ion:172 Resp: 1168349
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 24.2 19.8 29.8

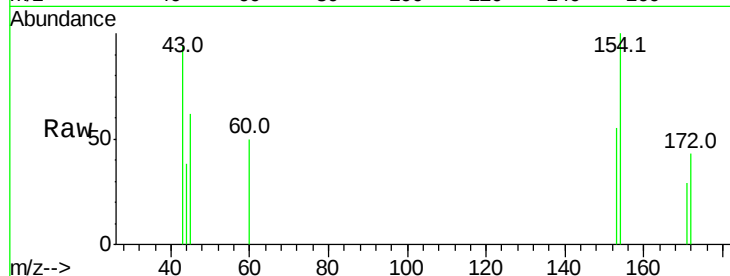




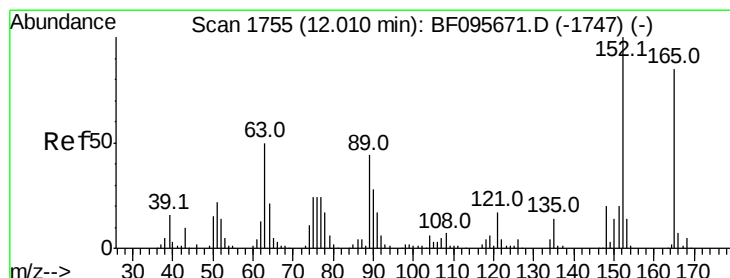
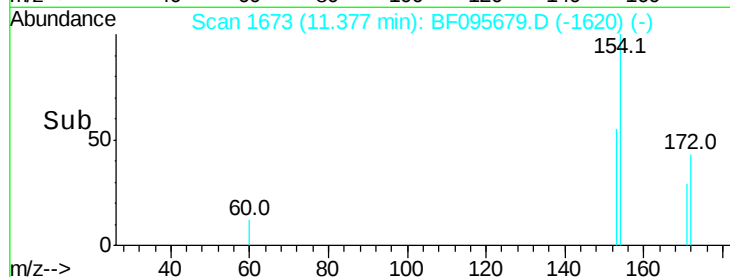
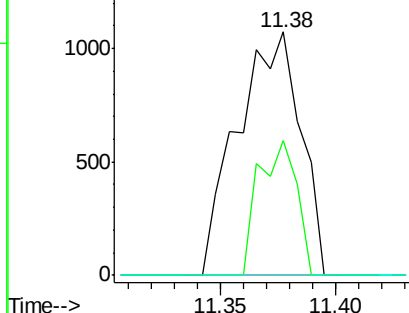
#45
 1,1'-Biphenyl
 Concen: 0.16 ng
 RT: 11.38 min Scan# 1673
 Delta R.T. 0.01 min
 Lab File: BF095679.D
 Acq: 5 Jun 2017 18:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:154 Resp: 2040
 Ion Ratio Lower Upper
 154 100
 153 55.4 21.2 61.2
 76 0.0 0.0 29.9

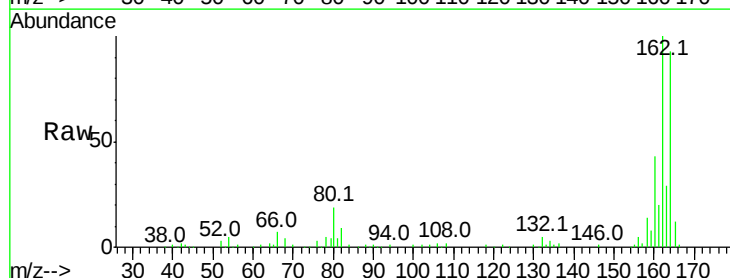


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

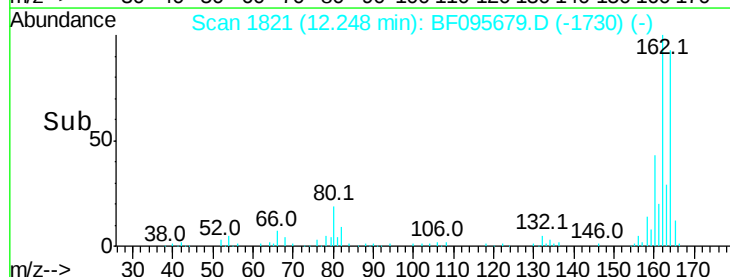
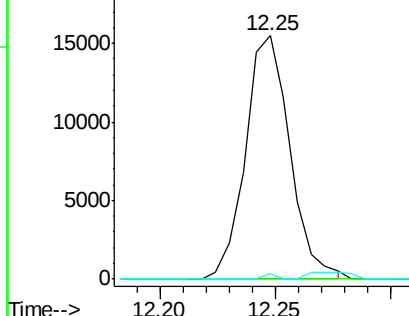


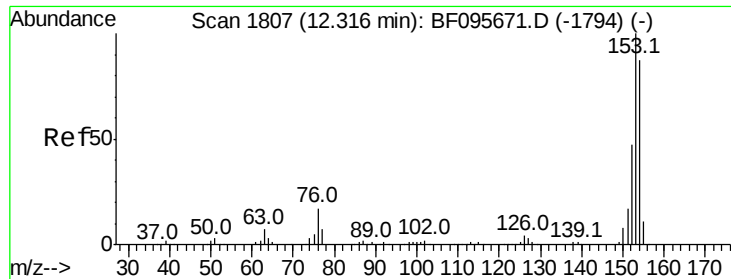
#50
 2,6-Dinitrotoluene
 Concen: 8.04 ng
 RT: 12.25 min Scan# 1821
 Delta R.T. 0.24 min
 Lab File: BF095679.D
 Acq: 5 Jun 2017 18:23

Tgt Ion:165 Resp: 20730
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 2.5 37.1 55.7#



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: 0.06 ng

RT: 12.25 min Scan# 1822

Delta R.T. -0.06 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

Instrument :

BNA_F

ClientSampled :

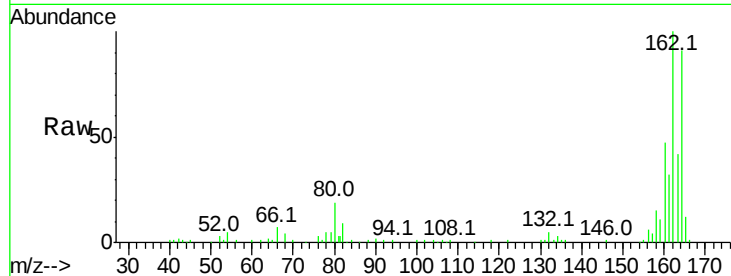
Tot Ion:154 Resp: 553

Ion Ratio Lower Upper

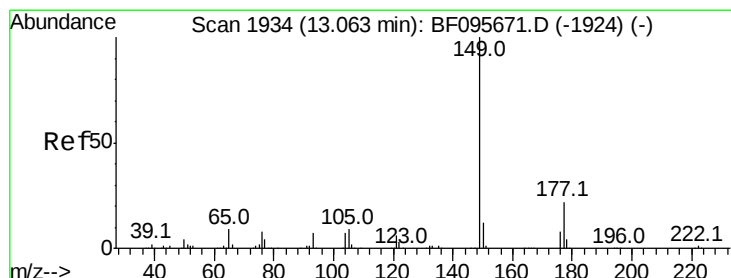
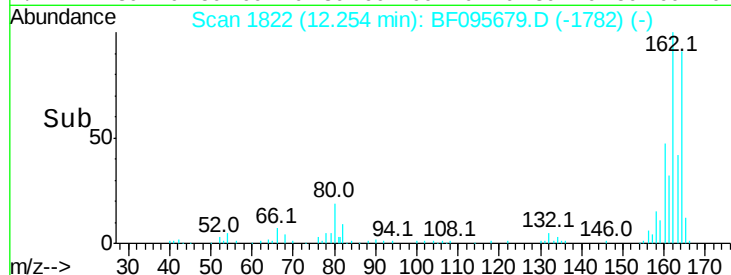
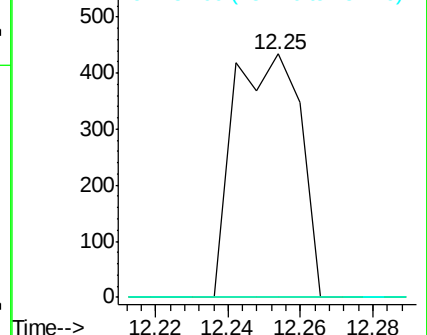
154 100

153 0.0 90.5 135.7#

152 0.0 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



#59

Diethylphthalate

Concen: 2.60 ng

RT: 13.05 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

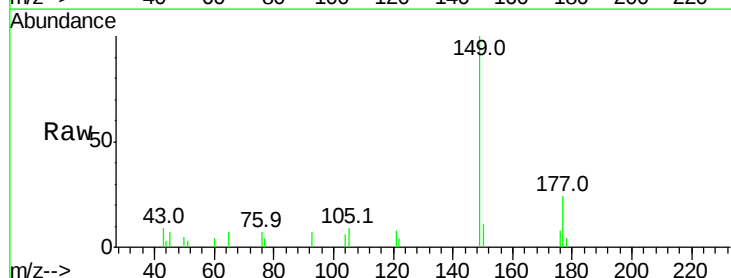
Tgt Ion:149 Resp: 29515

Ion Ratio Lower Upper

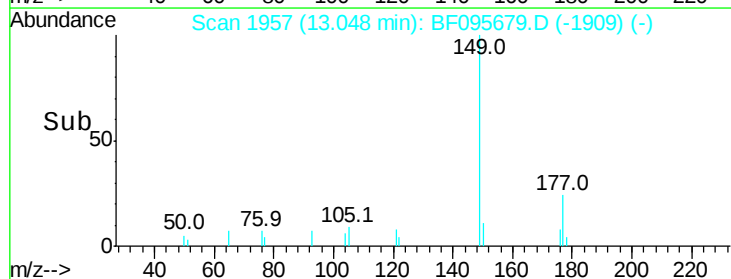
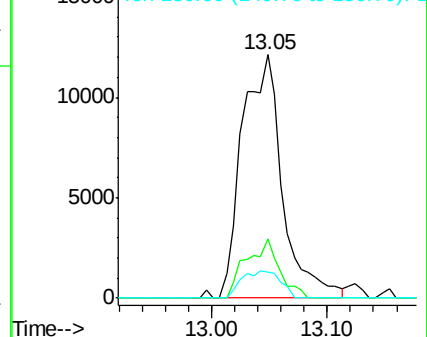
149 100

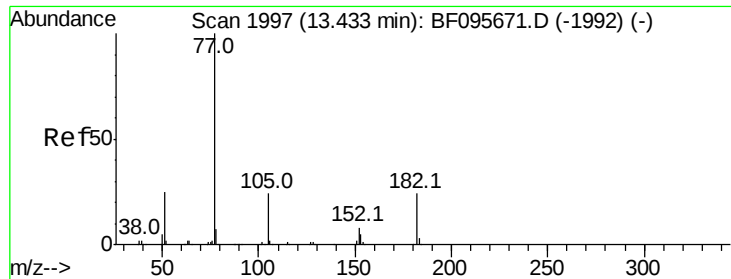
177 24.3 16.7 25.1

150 10.9 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

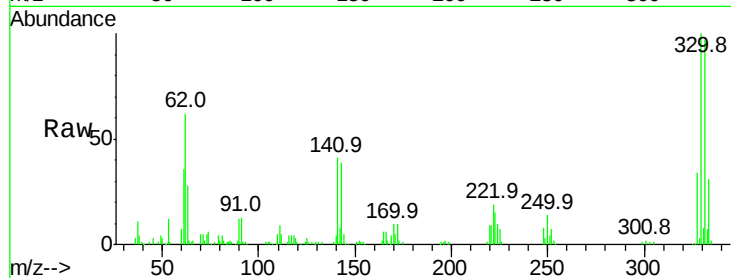




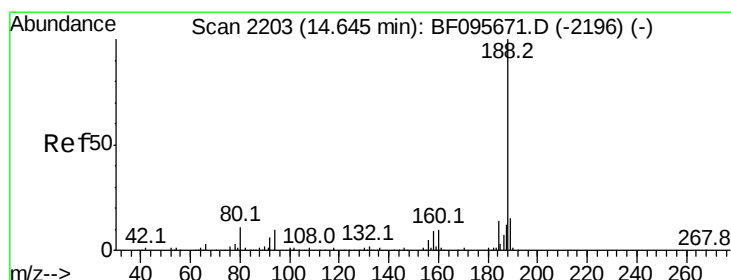
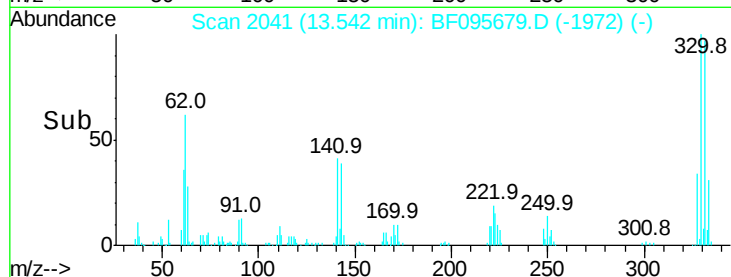
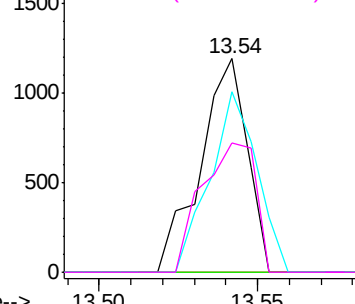
#62
Azobenzene
Concen: 0.12 ng
RT: 13.54 min Scan# 2041
Delta R.T. 0.11 min
Lab File: BF095679.D
Acq: 5 Jun 2017 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 1229
Ion Ratio Lower Upper
77 100
182 0.0 0.1 40.1#
105 84.5 3.6 43.6#
51 60.4 9.4 49.4#

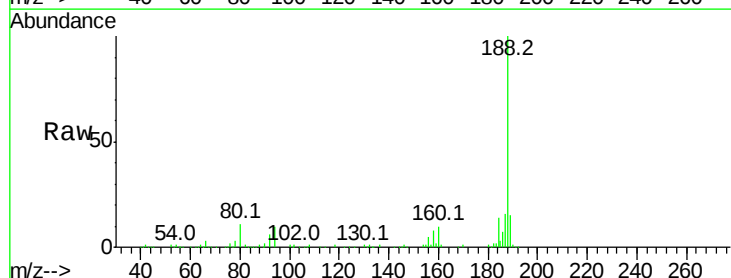


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

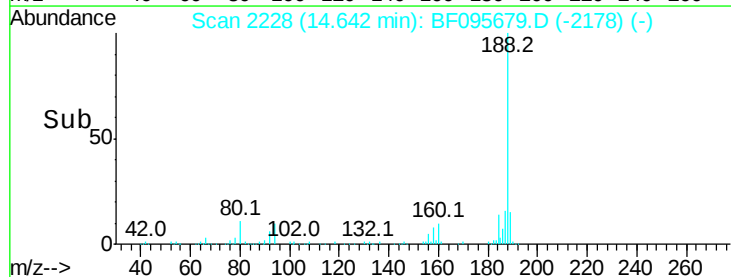
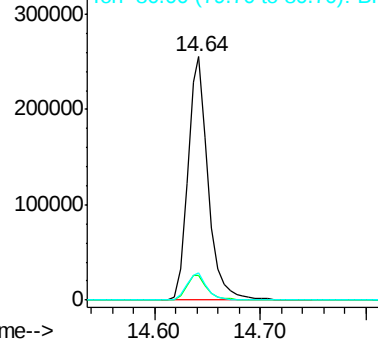


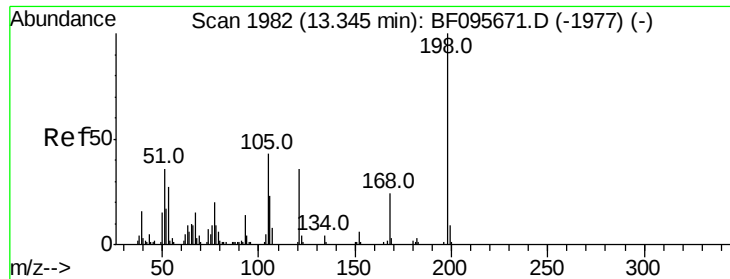
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.64 min Scan# 2228
Delta R.T. -0.00 min
Lab File: BF095679.D
Acq: 5 Jun 2017 18:23

Tgt Ion: 188 Resp: 342289
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 11.4 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

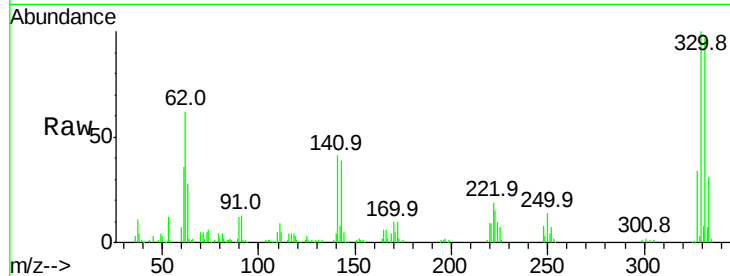




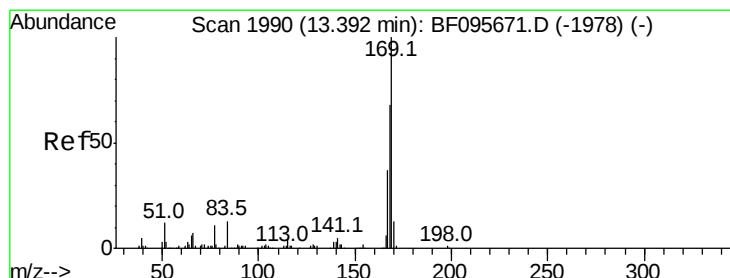
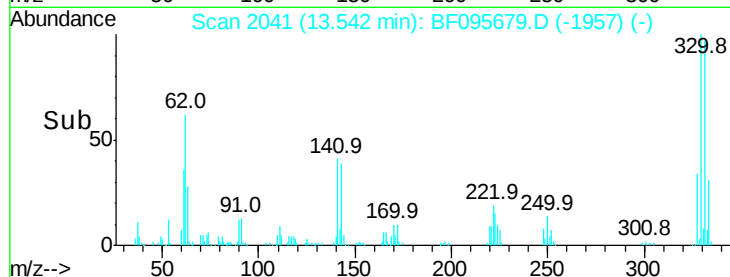
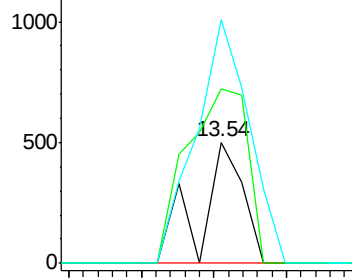
#64
4,6-Dinitro-2-methylphenol
Concen: 0.18 ng
RT: 13.54 min Scan# 2041
Delta R.T. 0.20 min
Lab File: BF095679.D
Acq: 5 Jun 2017 18:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 412
Ion Ratio Lower Upper
198 100
51 144.0 53.2 93.2#
105 201.6 45.8 85.8#

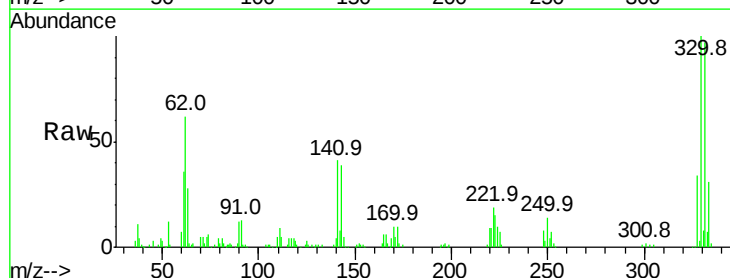


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

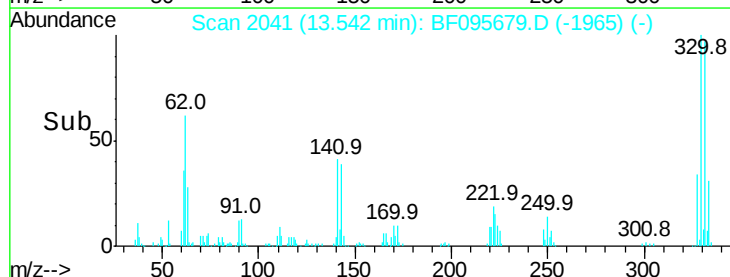
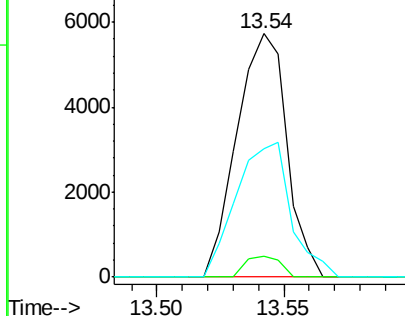


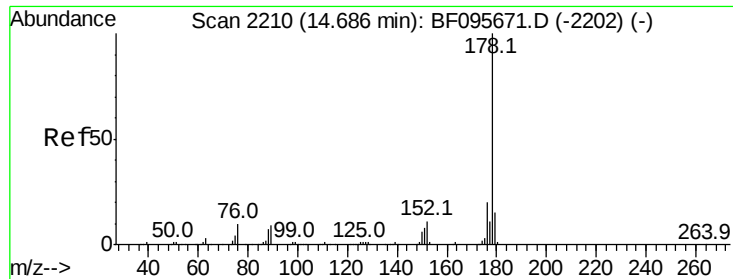
#65
n-Nitrosodiphenylamine
Concen: 0.64 ng
RT: 13.54 min Scan# 2041
Delta R.T. 0.15 min
Lab File: BF095679.D
Acq: 5 Jun 2017 18:23

Tgt Ion:169 Resp: 7853
Ion Ratio Lower Upper
169 100
168 8.4 53.2 79.8#
167 53.0 29.5 44.3#



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: 0.01 ng

RT: 14.68 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

Instrument :

BNA_F

ClientSampleId :

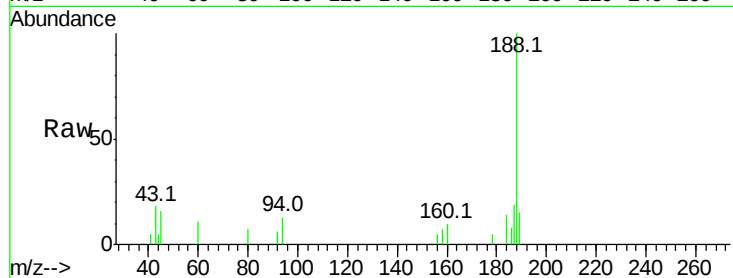
Tot Ion:178 Resp: 109

Ion Ratio Lower Upper

178 100

176 0.0 16.2 24.4#

179 0.0 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

14.68

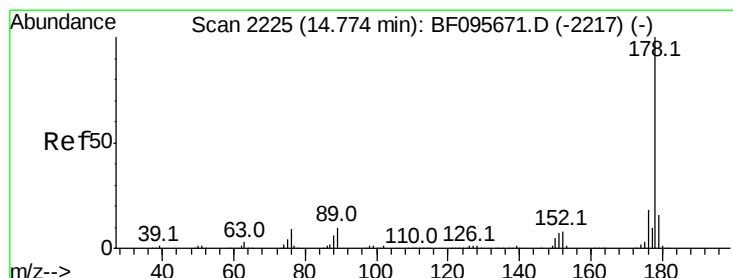
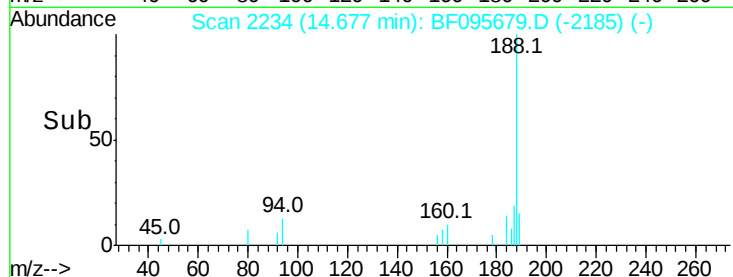
300

200

100

0

Time--> 14.66 14.68



#71

Anthracene

Concen: 0.01 ng

RT: 14.68 min Scan# 2234

Delta R.T. -0.10 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

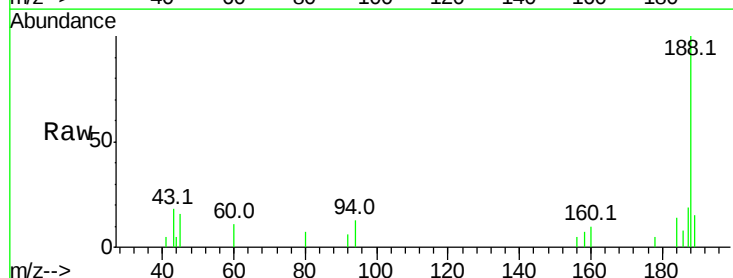
Tgt Ion:178 Resp: 109

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.8#

179 0.0 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

14.68

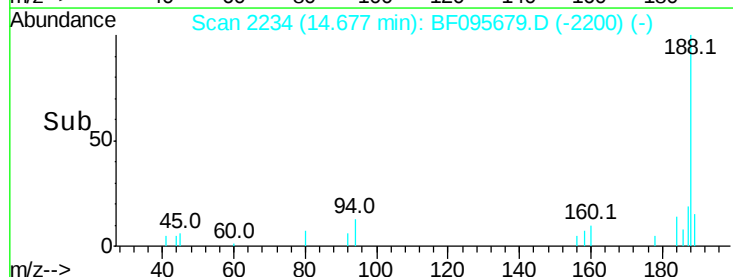
300

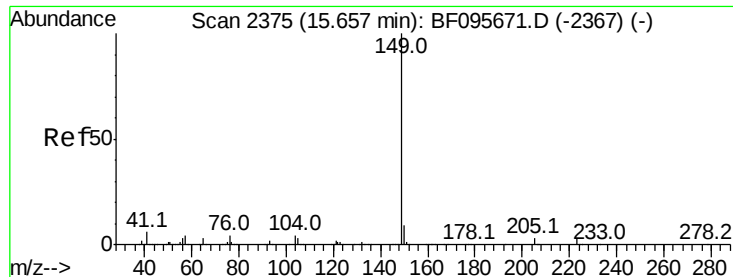
200

100

0

Time--> 14.66 14.68





#73

Di-n-butylphthalate

Concen: 0.82 ng

RT: 15.65 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

Instrument :

BNA_F

ClientSampled :

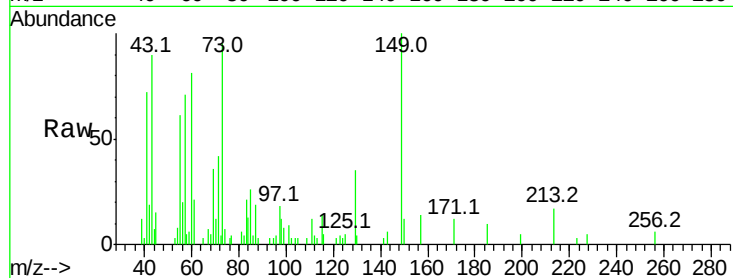
Tot Ion:149 Resp: 17580

Ion Ratio Lower Upper

149 100

150 11.6 7.7 11.5#

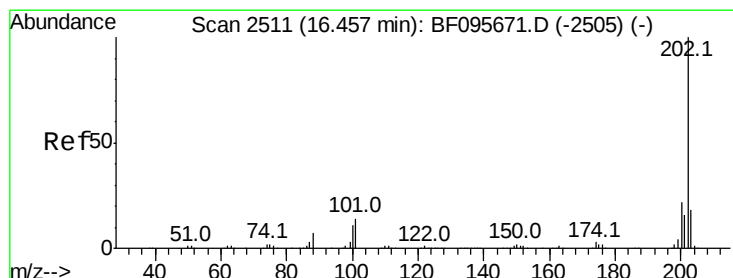
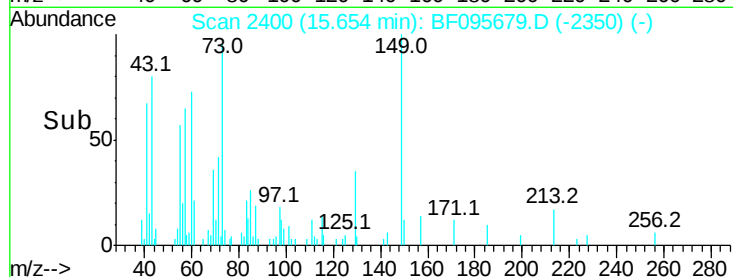
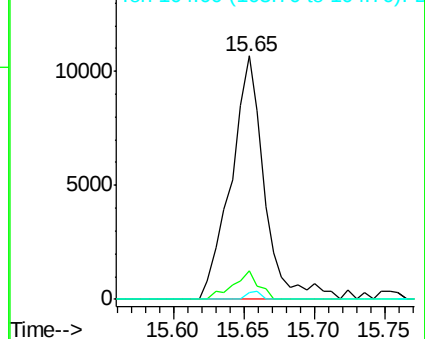
104 2.9 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 0.01 ng

RT: 16.49 min Scan# 2543

Delta R.T. 0.04 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

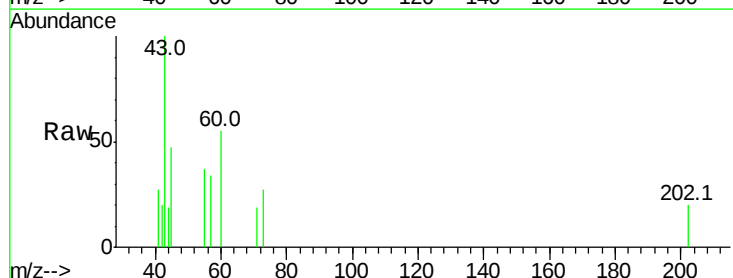
Tgt Ion:202 Resp: 124

Ion Ratio Lower Upper

202 100

101 0.0 0.0 33.2

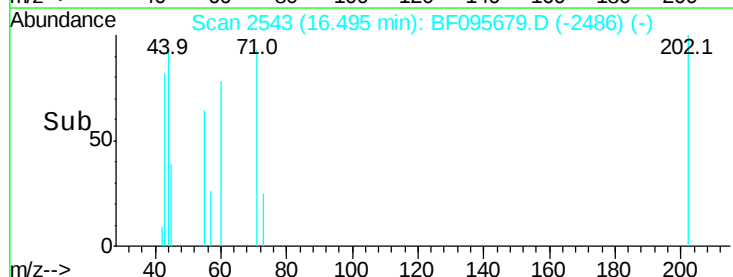
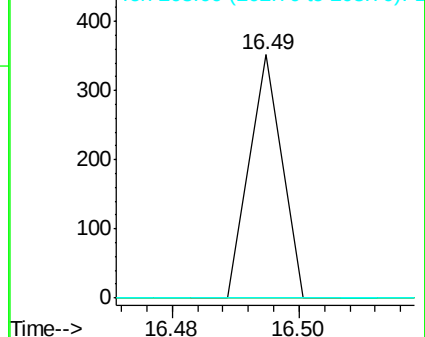
203 0.0 0.0 38.1

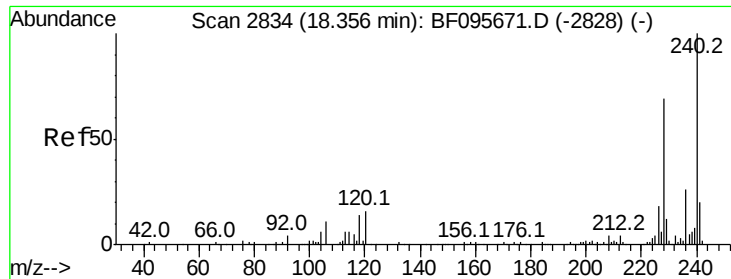


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.35 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

Instrument :

BNA_F

ClientSampleId :

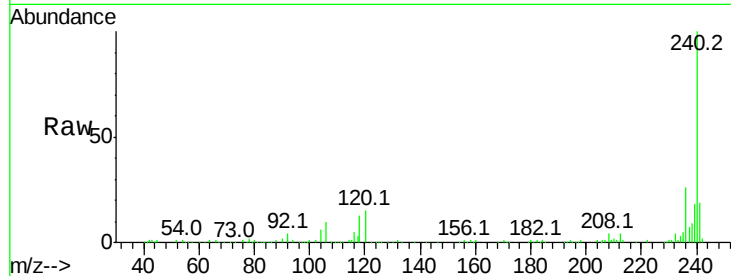
Tot Ion:240 Resp: 226669

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

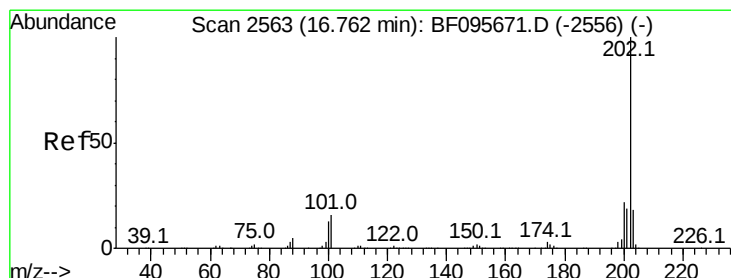
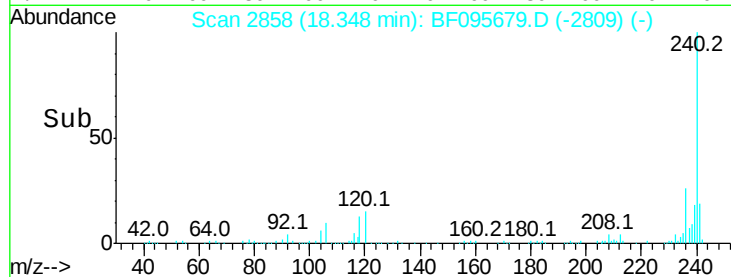
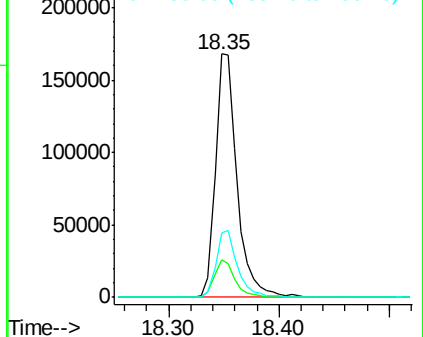
236 26.4 20.5 30.7



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: 0.01 ng

RT: 16.49 min Scan# 2543

Delta R.T. -0.27 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

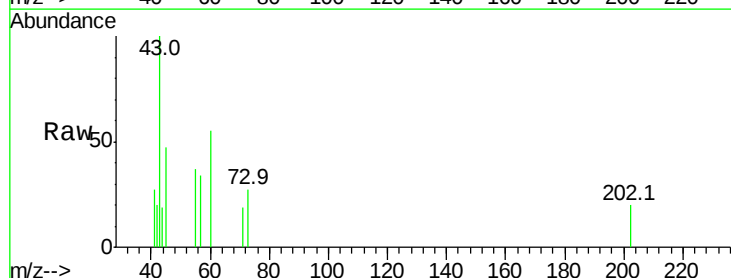
Tgt Ion:202 Resp: 124

Ion Ratio Lower Upper

202 100

200 0.0 17.6 26.4#

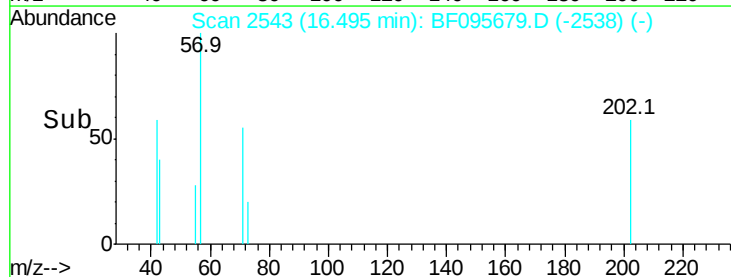
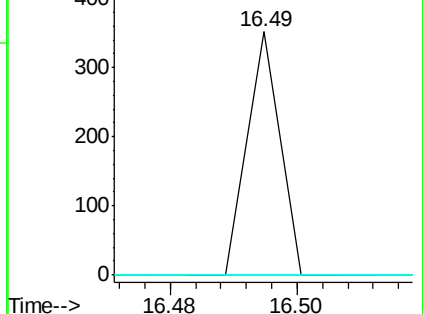
203 0.0 14.4 21.6#

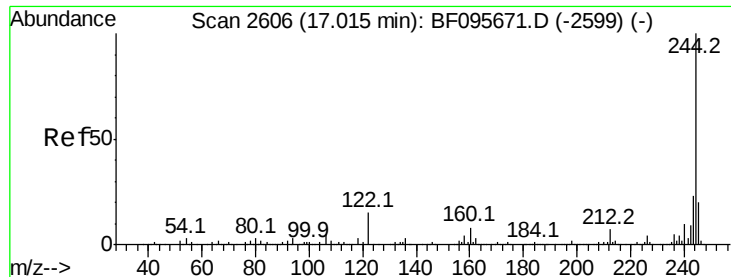


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 110.95 ng

RT: 17.02 min Scan# 2632

Delta R.T. 0.00 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

Instrument :

BNA_F

ClientSampleId :

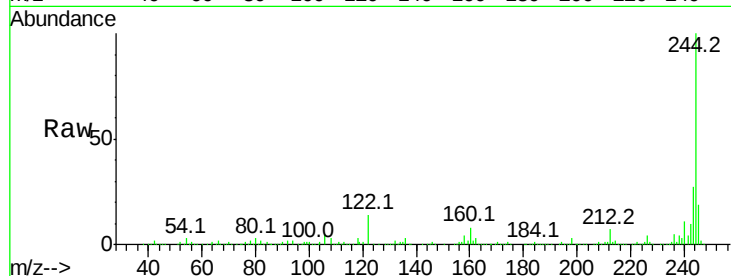
Tot Ion:244 Resp: 1013403

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

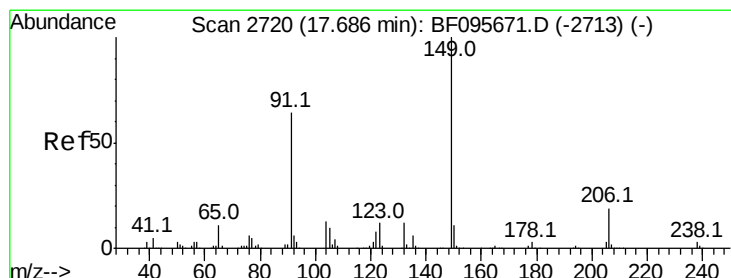
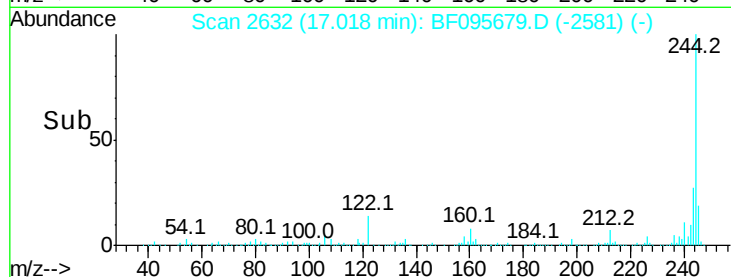
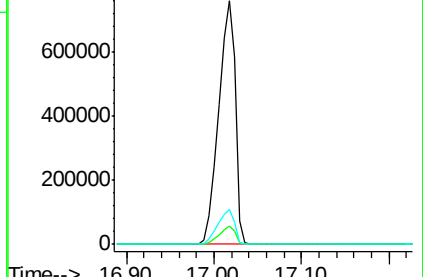
122 14.3 10.3 15.5



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



#79

Butylbenzylphthalate

Concen: 0.02 ng

RT: 17.68 min Scan# 2745

Delta R.T. -0.00 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

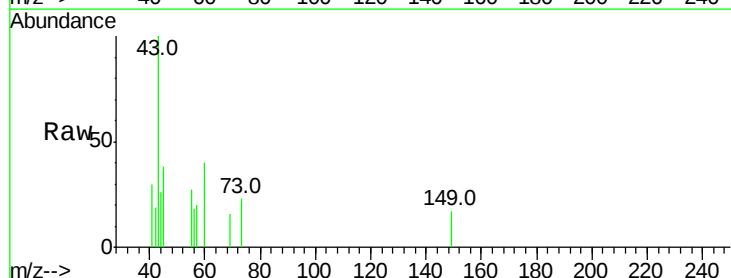
Tgt Ion:149 Resp: 121

Ion Ratio Lower Upper

149 100

91 0.0 45.0 67.4#

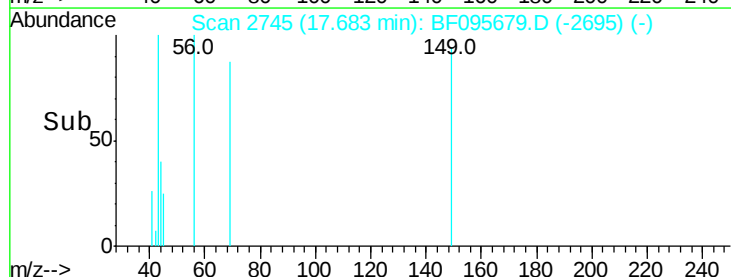
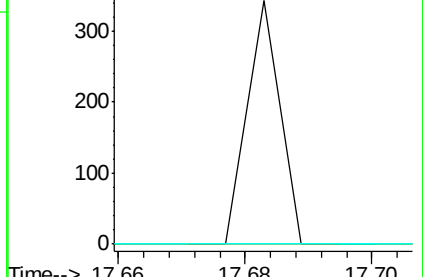
206 0.0 17.0 25.6#

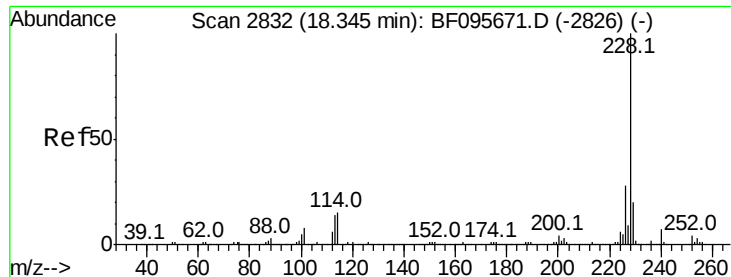


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.04 ng

RT: 18.35 min Scan# 2859

Delta R.T. 0.01 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

Instrument :

BNA_F

ClientSampleId :

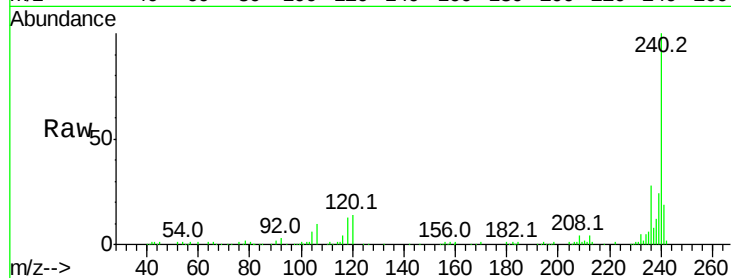
Tot Ion:228 Resp: 581

Ion Ratio Lower Upper

228 100

226 0.0 22.6 33.8#

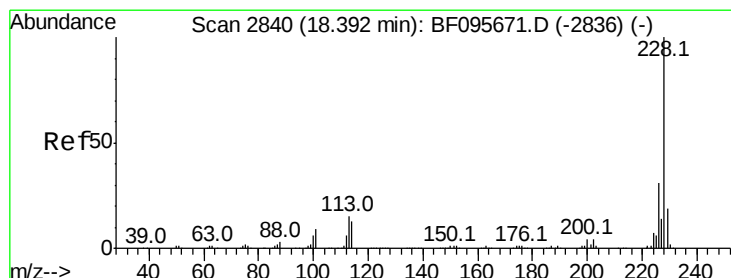
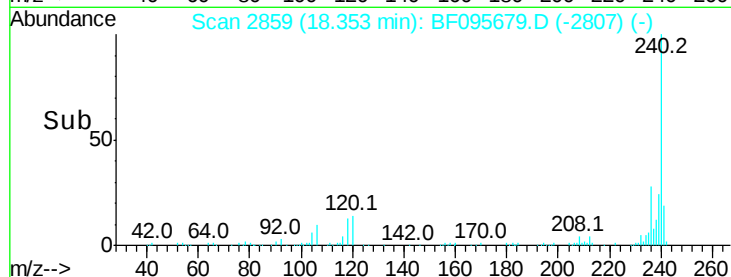
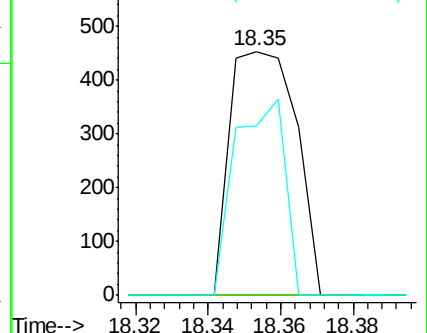
229 69.3 16.3 24.5#



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: 0.04 ng

RT: 18.35 min Scan# 2859

Delta R.T. -0.04 min

Lab File: BF095679.D

Acq: 5 Jun 2017 18:23

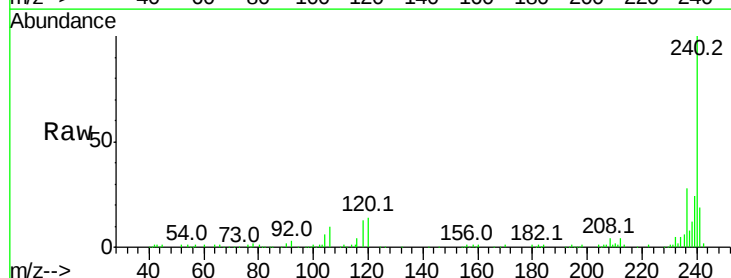
Tgt Ion:228 Resp: 581

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

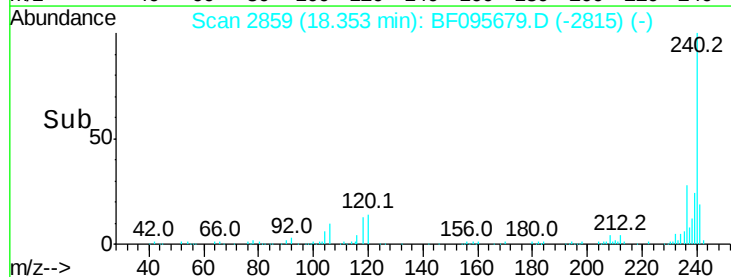
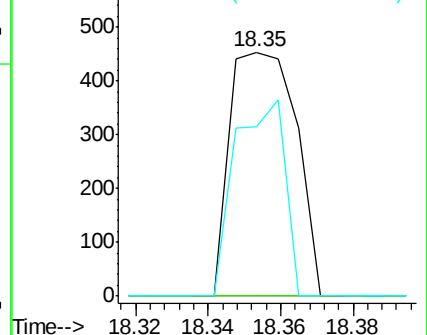
229 69.3 15.8 23.6#

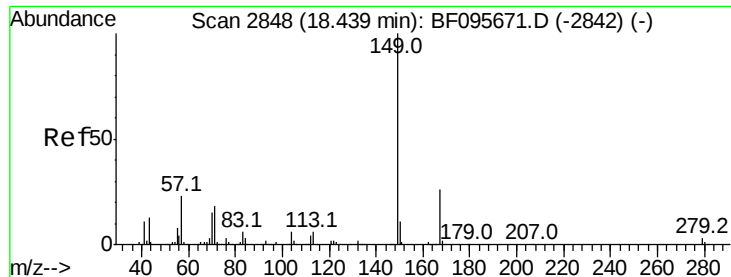


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

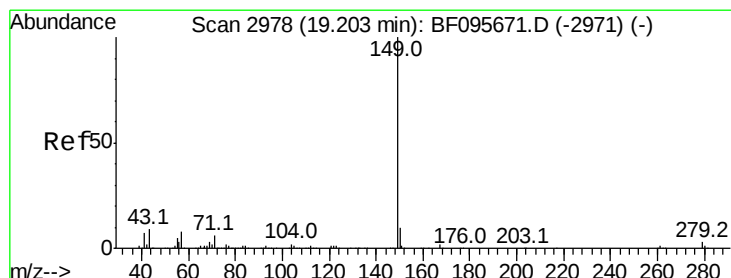
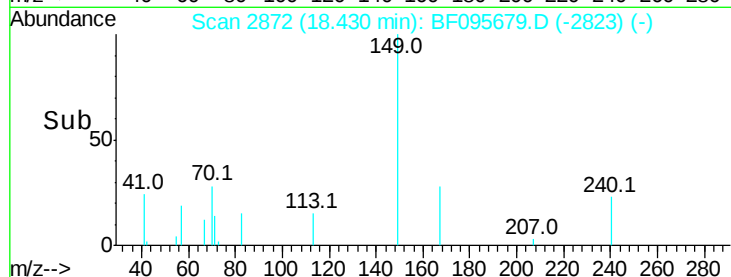
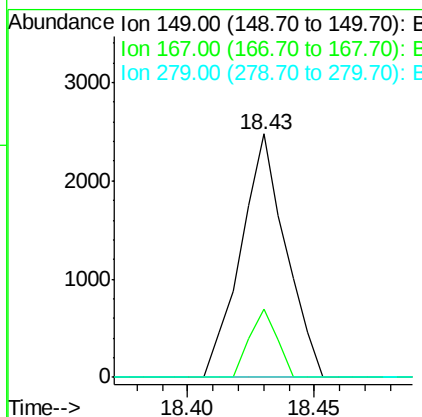
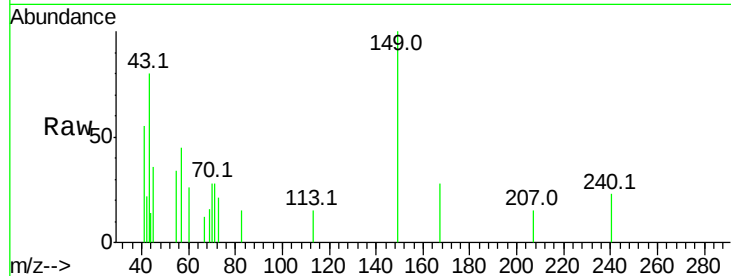




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.29 ng
 RT: 18.43 min Scan# 2872
 Delta R.T. -0.01 min
 Lab File: BF095679.D
 Acq: 5 Jun 2017 18:23

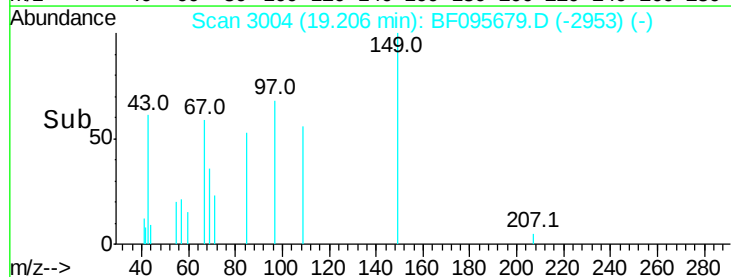
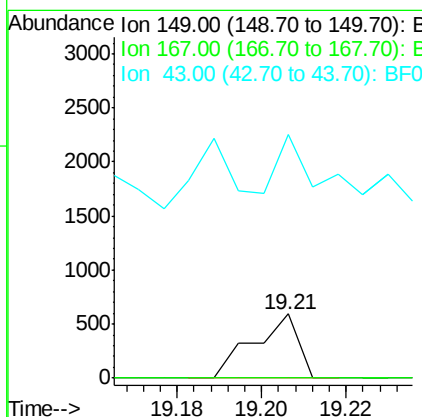
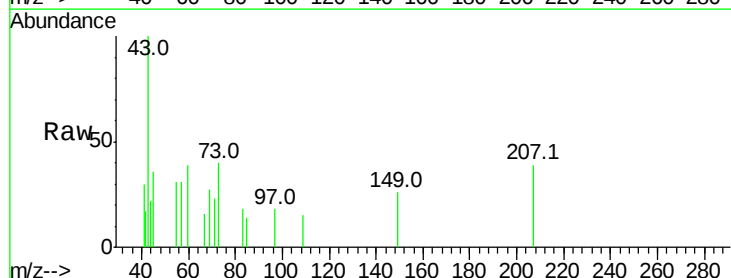
Instrument :
 BNA_F
 ClientSampleId :

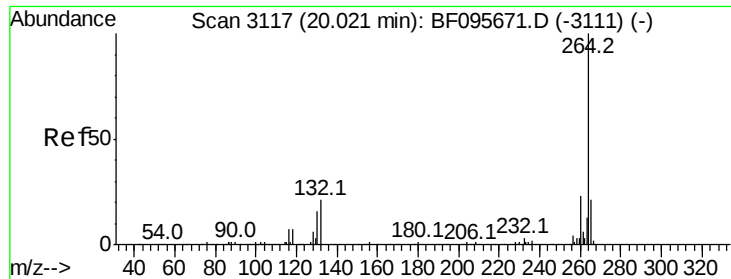
Tot Ion:149 Resp: 3060
 Ion Ratio Lower Upper
 149 100
 167 28.0 21.0 31.4
 279 0.0 1.9 2.9#



#84
 Di-n-octyl phthalate
 Concen: 0.03 ng
 RT: 19.21 min Scan# 3004
 Delta R.T. 0.00 min
 Lab File: BF095679.D
 Acq: 5 Jun 2017 18:23

Tgt Ion:149 Resp: 438
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 65.5 8.5 12.7#

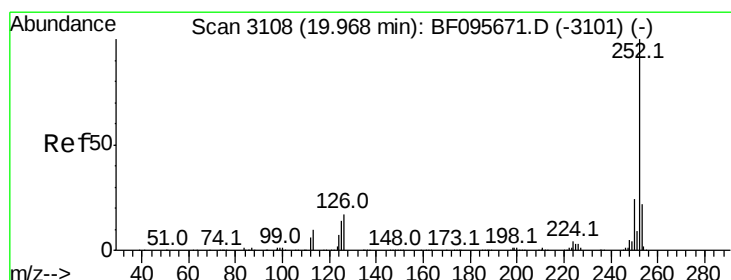
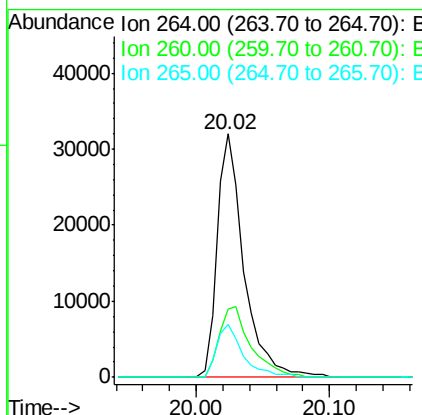
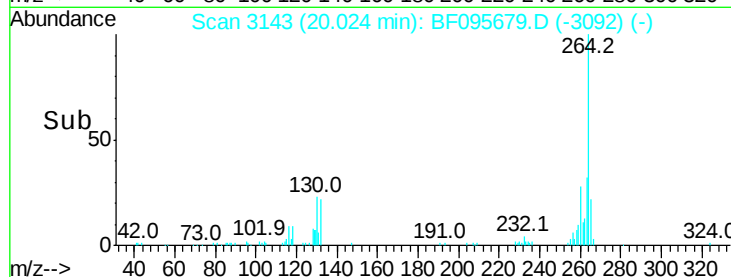
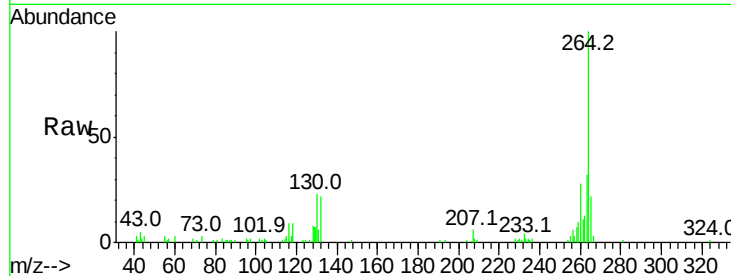




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 3143
Delta R.T. 0.00 min
Lab File: BF095679.D
Acq: 5 Jun 2017 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 45110
Ion Ratio Lower Upper
264 100
260 27.9 19.5 29.3
265 21.8 17.2 25.8



#89
Benzo(a)pyrene
Concen: 0.20 ng
RT: 20.04 min Scan# 3145
Delta R.T. 0.07 min
Lab File: BF095679.D
Acq: 5 Jun 2017 18:23

Tgt Ion:252 Resp: 519
Ion Ratio Lower Upper
252 100
253 122.2 17.5 26.3#
125 94.7 11.0 16.4#

