

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060517\
 Data File : BF095683.D
 Acq On : 5 Jun 2017 20:32
 Operator : SJ/MA
 Sample : I3441-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 01:16:47 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	108655	20.00	ng	0.00
21) Naphthalene-d8	9.42	136	413805	20.00	ng	0.00
38) Acenaphthene-d10	12.25	164	215004	20.00	ng	0.00
63) Phenanthrene-d10	14.64	188	346594	20.00	ng	0.00
75) Chrysene-d12	18.35	240	308359	20.00	ng	0.00
86) Perylene-d12	20.02	264	210345	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	847203	124.24	ng	0.03
7) Phenol-d6	6.96	99	1020943	125.06	ng	0.00
23) Nitrobenzene-d5	8.31	82	699799	105.03	ng	0.00
41) 2,4,6-Tribromophenol	13.55	330	254221	133.64	ng	0.00
44) 2-Fluorobiphenyl	11.21	172	1304736	84.45	ng	0.00
78) Terphenyl-d14	17.02	244	1091569	87.85	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	1.75	88	371	0.11	ng	# 1
4) n-Nitrosodimethylamine	2.24	42	113	0.04	ng	# 79
6) Aniline	7.07	93	1152	0.11	ng	# 1
8) 2-Chlorophenol	7.05	128	125	0.02	ng	# 1
9) Benzaldehyde	6.96	77	1006	0.18	ng	# 1
10) Phenol	7.05	94	1488	0.18	ng	# 1
11) bis(2-Chloroethyl)ether	7.07	93	1152	0.17	ng	# 1
15) Benzyl Alcohol	7.64	79	11369	2.03	ng	# 32
16) 2,2'-oxybis(1-Chloropropan	7.88	45	306	0.03	ng	# 70
19) n-Nitroso-di-n-propylamine	8.31	70	89675	17.33	ng	# 76
24) Nitrobenzene	8.31	77	1762	0.25	ng	# 39
25) Isophorone	8.68	82	362	0.03	ng	# 67
31) Naphthalene	9.46	128	4810	0.23	ng	# 68
33) 4-Chloroaniline	9.47	127	270	0.03	ng	# 44
37) 2-Methylnaphthalene	10.62	142	1056	0.08	ng	# 52
45) 1,1'-Biphenyl	11.38	154	2491	0.14	ng	# 89
50) 2,6-Dinitrotoluene	12.25	165	27134	7.62	ng	# 31
51) Acenaphthene	12.30	154	2194	0.16	ng	# 91
54) Dibenzofuran	12.64	168	960	0.05	ng	# 45
55) 4-Nitrophenol	12.64	139	120	4.67	ng	# 25
57) Fluorene	13.17	166	1436	0.09	ng	# 90
59) Diethylphthalate	13.05	149	13204	0.84	ng	# 89
62) Azobenzene	13.54	77	1361	0.10	ng	# 39
64) 4,6-Dinitro-2-methylphenol	13.54	198	501	0.22	ng	# 51
65) n-Nitrosodiphenylamine	13.55	169	8456	0.68	ng	# 42
70) Phenanthrene	14.68	178	2592	0.13	ng	# 59
71) Anthracene	14.68	178	2592	0.12	ng	# 59
73) Di-n-butylphthalate	15.65	149	12501	0.58	ng	# 94
74) Fluoranthene	16.50	202	315	0.02	ng	# 62
77) Pyrene	16.80	202	120	0.01	ng	# 56
80) Benzo(a)anthracene	18.35	228	724	0.04	ng	# 50
82) Chrysene	18.35	228	724	0.04	ng	# 49
83) Bis(2-ethylhexyl)phthalate	18.43	149	1848	0.13	ng	# 86
89) Benzo(a)pyrene	20.02	252	280	0.02	ng	# 1

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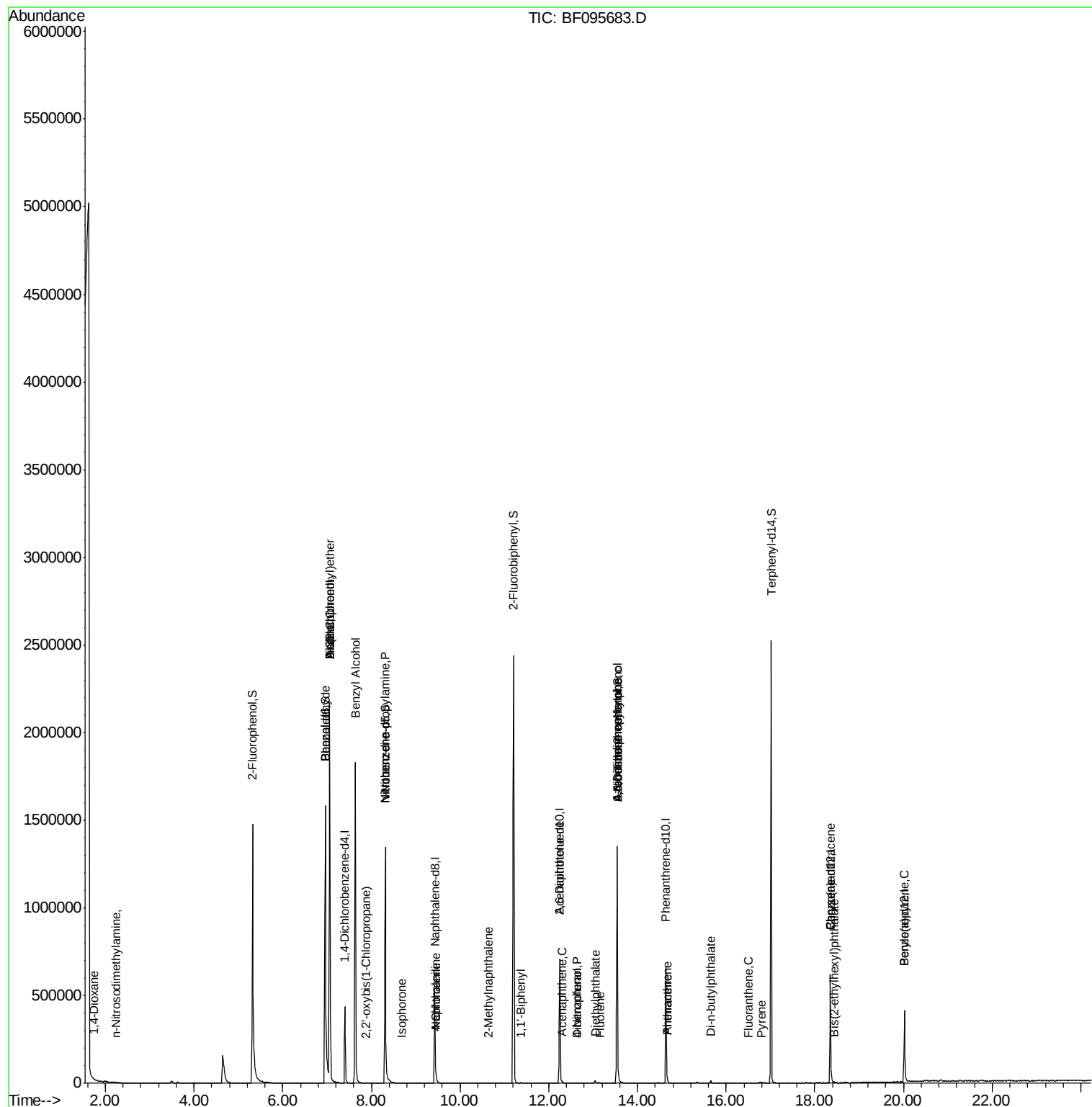
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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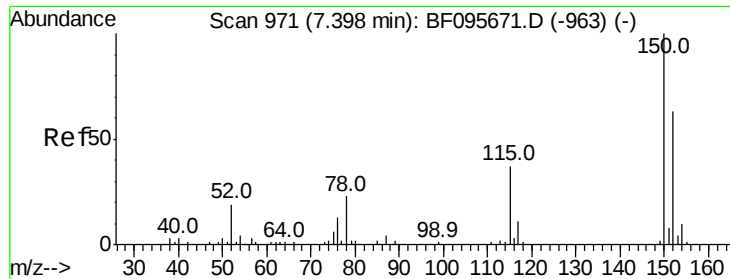
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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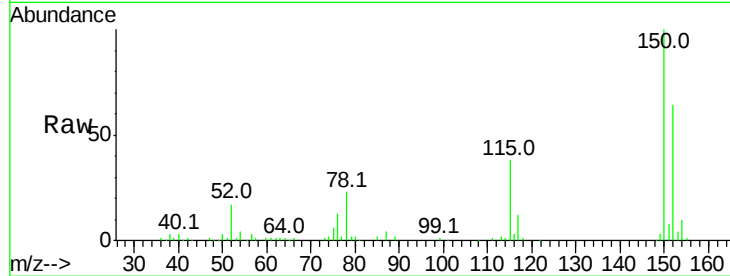


#1

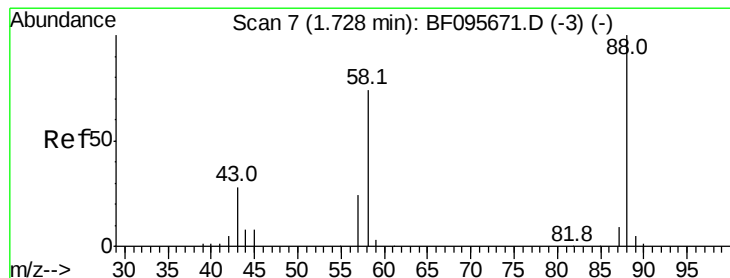
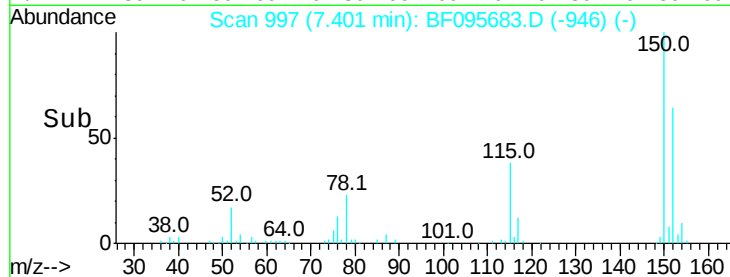
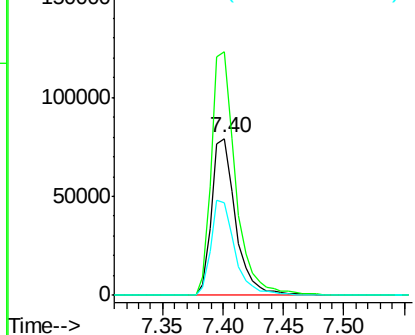
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.40 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF095683.D
Acq: 5 Jun 2017 20:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 108655
Ion Ratio Lower Upper
152 100
150 155.0 126.2 189.2
115 59.0 52.2 78.2



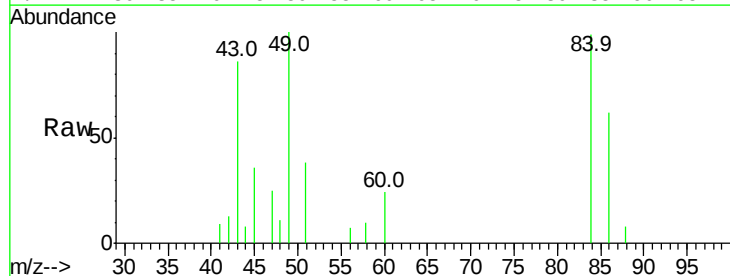
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



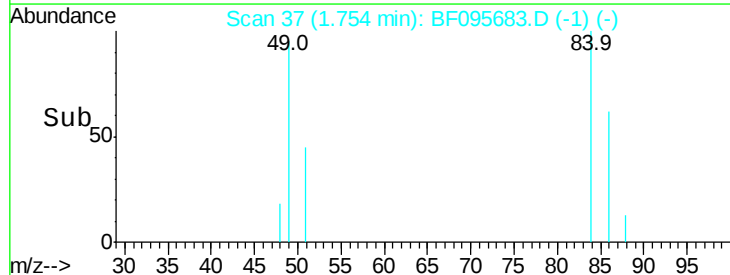
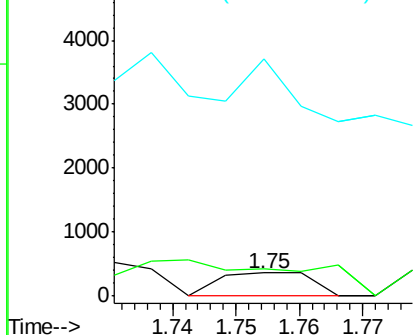
#2

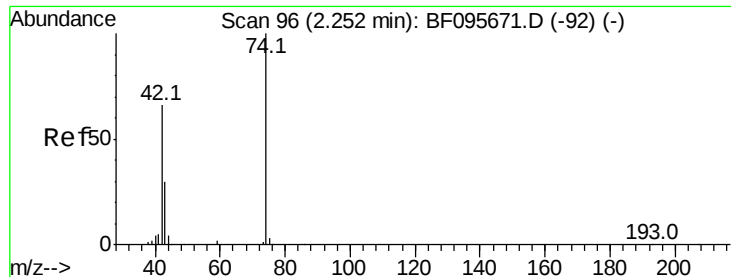
1,4-Dioxane
Concen: 0.11 ng
RT: 1.75 min Scan# 37
Delta R.T. 0.03 min
Lab File: BF095683.D
Acq: 5 Jun 2017 20:32

Tgt Ion: 88 Resp: 371
Ion Ratio Lower Upper
88 100
58 267.4 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: 0.04 ng

RT: 2.24 min Scan# 119

Delta R.T. -0.01 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

Instrument :

BNA_F

ClientSampleId :

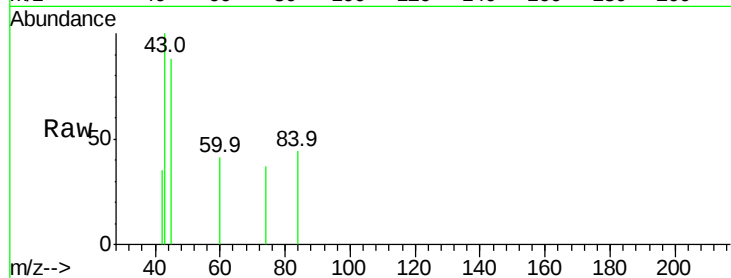
Tot Ion: 42 Resp: 113

Ion Ratio Lower Upper

42 100

74 105.9 103.9 155.9

44 0.0 5.7 8.5#



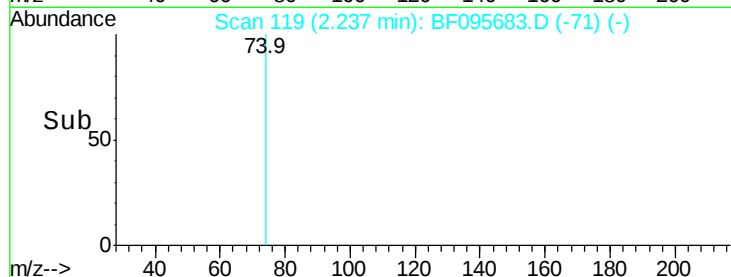
Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

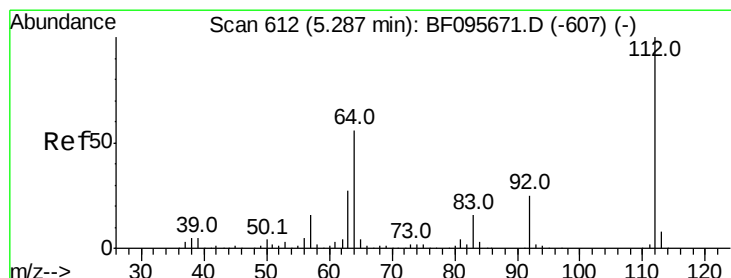
Ion 44.00 (43.70 to 44.70): BF0

2.24

Time-->



Time-->



#5

2-Fluorophenol

Concen: 124.24 ng

RT: 5.32 min Scan# 643

Delta R.T. 0.03 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

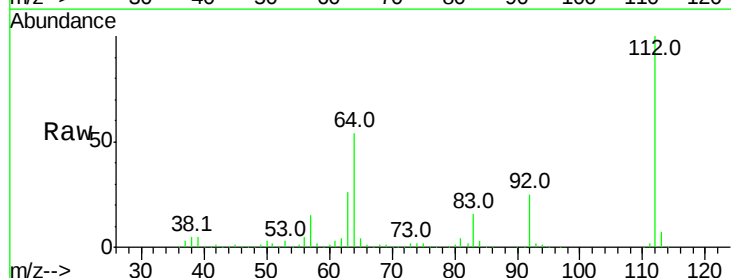
Tgt Ion: 112 Resp: 847203

Ion Ratio Lower Upper

112 100

64 54.1 46.0 69.0

63 26.2 23.4 35.0



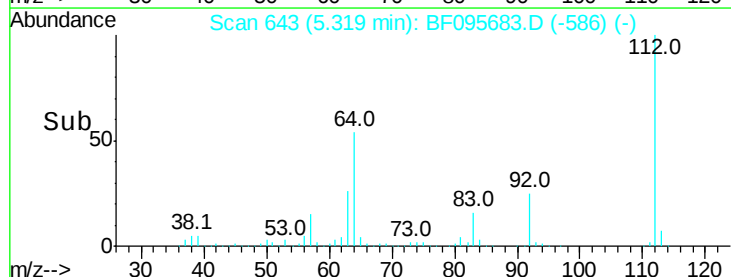
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

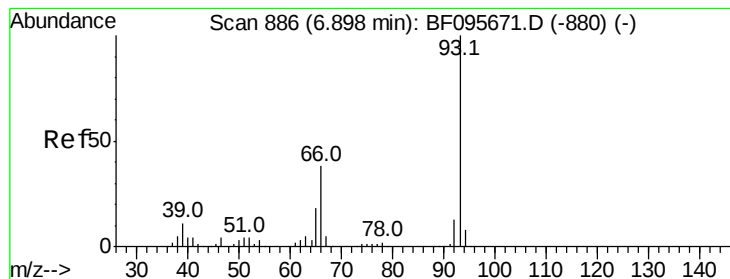
Ion 63.00 (62.70 to 63.70): BF0

5.32

Time-->



Time-->



#6

Aniline

Concen: 0.11 ng

RT: 7.07 min Scan# 940

Delta R.T. 0.17 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

Instrument :

BNA_F

ClientSampleId :

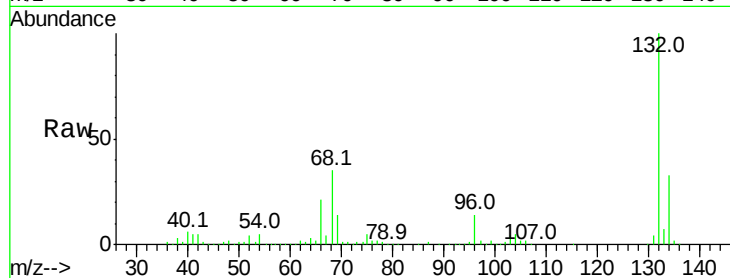
Tot Ion: 93 Resp: 1152

Ion Ratio Lower Upper

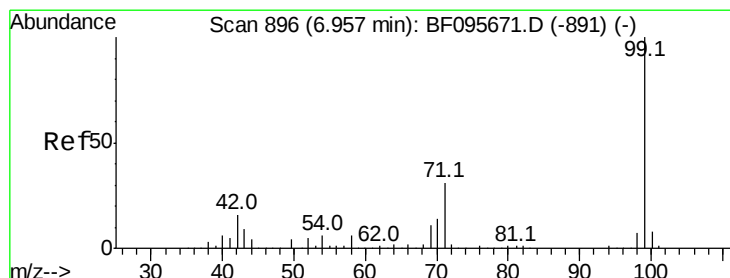
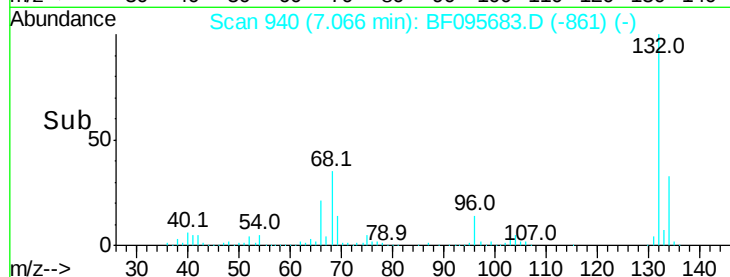
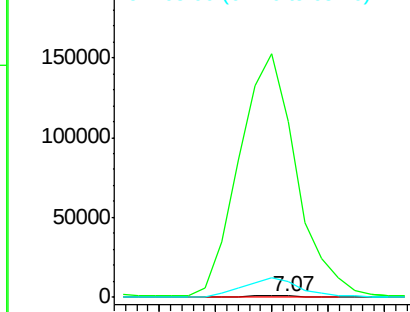
93 100

66 13825.8 32.9 49.3#

65 1201.6 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: 125.06 ng

RT: 6.96 min Scan# 922

Delta R.T. 0.00 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

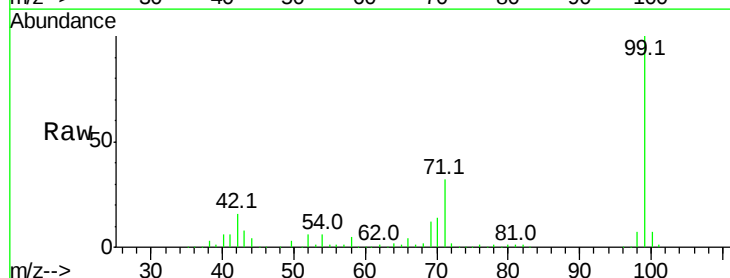
Tgt Ion: 99 Resp: 1020943

Ion Ratio Lower Upper

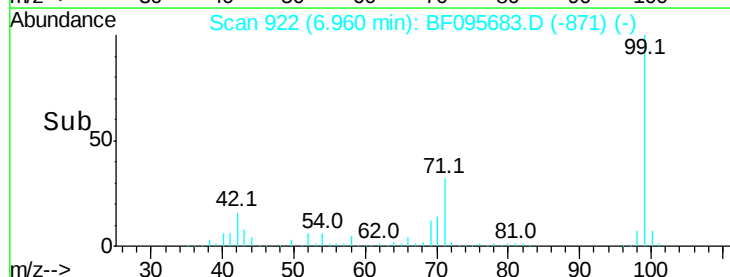
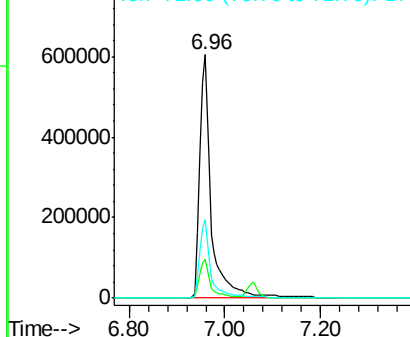
99 100

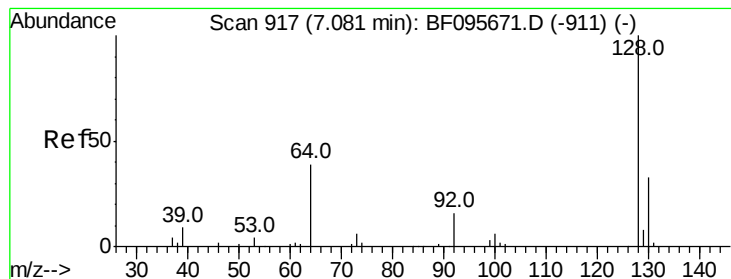
42 16.0 13.5 20.3

71 32.1 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





#8

2-Chlorophenol

Concen: 0.02 ng

RT: 7.05 min Scan# 938

Delta R.T. -0.03 min

Lab File: BF095683.D

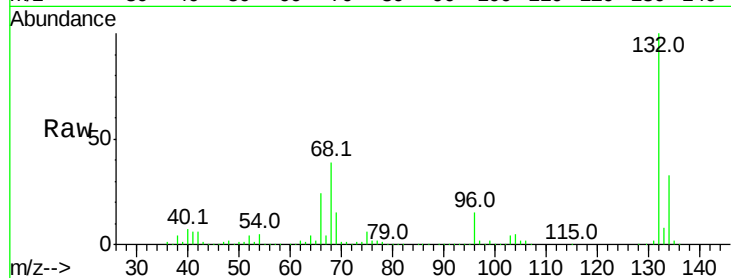
Acq: 5 Jun 2017 20:32

Instrument :

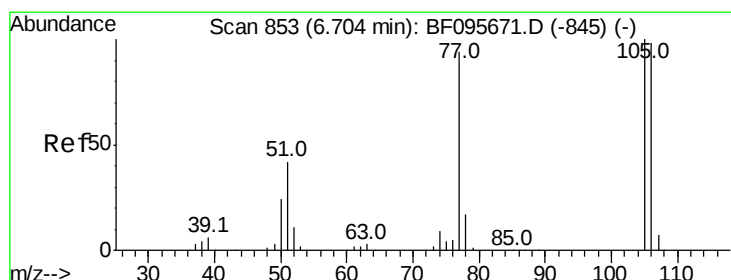
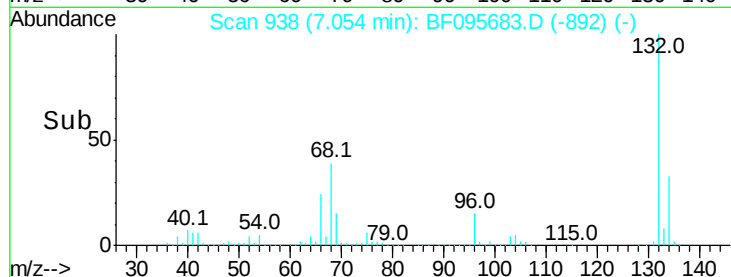
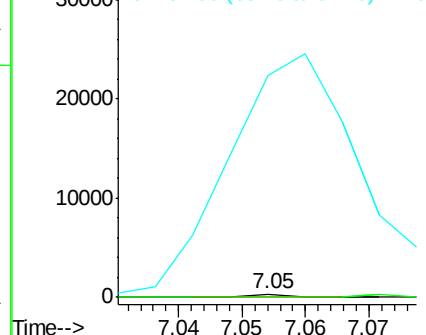
BNA_F

ClientSampleId :

Tot Ion:128 Resp: 125
 Ion Ratio Lower Upper
 128 100
 130 0.0 12.9 52.9#
 64 6334.3 28.4 68.4#



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 0.18 ng

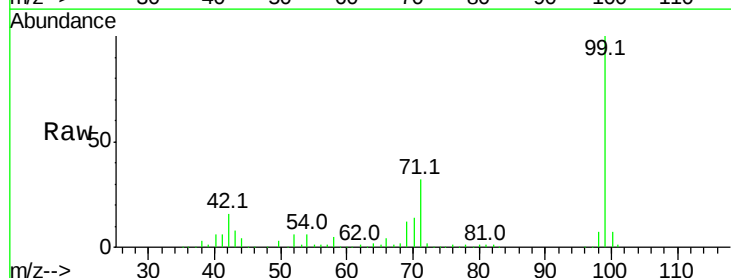
RT: 6.96 min Scan# 922

Delta R.T. 0.26 min

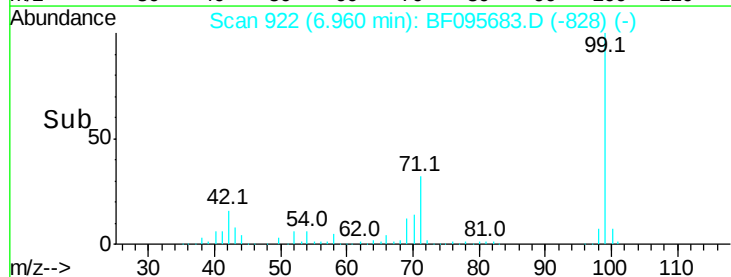
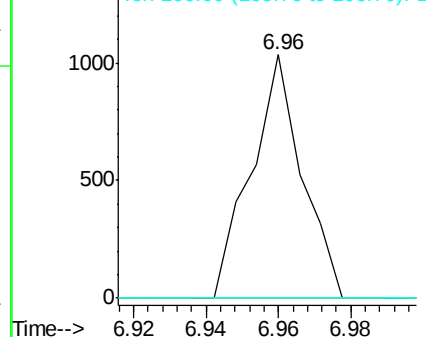
Lab File: BF095683.D

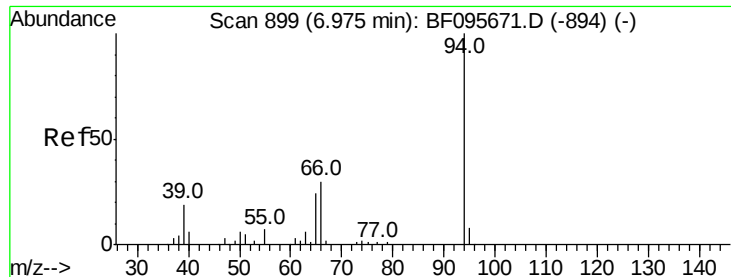
Acq: 5 Jun 2017 20:32

Tgt Ion: 77 Resp: 1006
 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): E
 Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.18 ng

RT: 7.05 min Scan# 938

Delta R.T. 0.08 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

Instrument :

BNA_F

ClientSampleId :

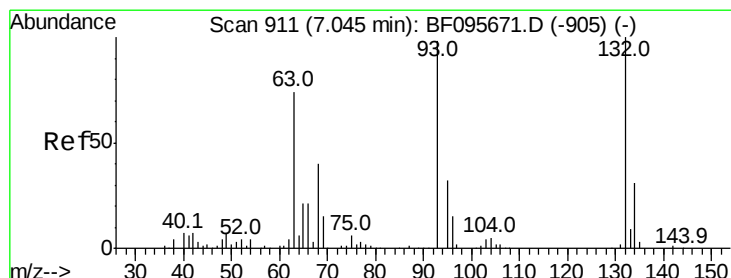
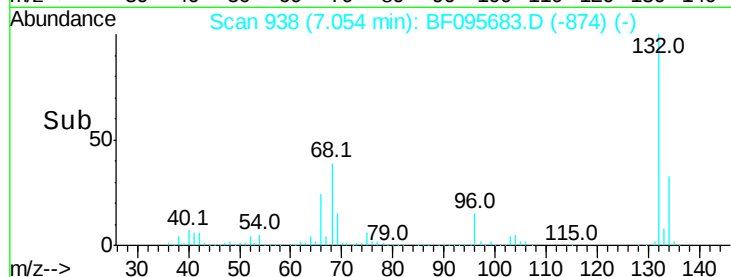
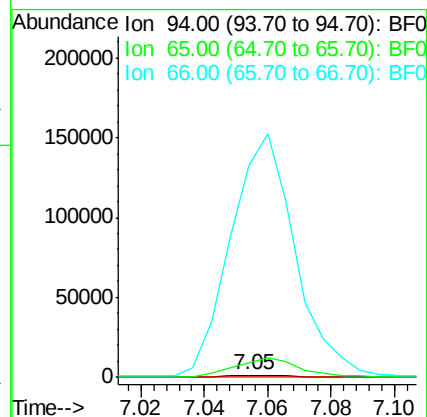
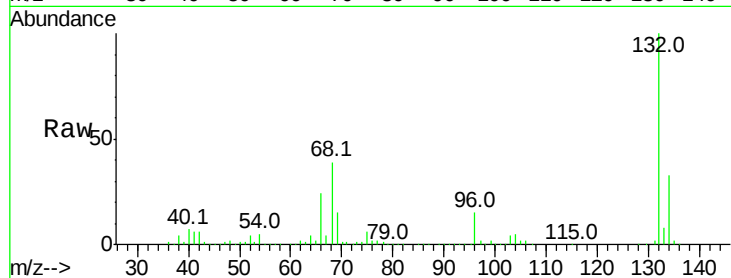
Tot Ion: 94 Resp: 1488

Ion Ratio Lower Upper

94 100

65 749.7 9.9 49.9#

66 10779.5 23.1 63.1#



#11

bis(2-Chloroethyl)ether

Concen: 0.17 ng

RT: 7.07 min Scan# 940

Delta R.T. 0.02 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

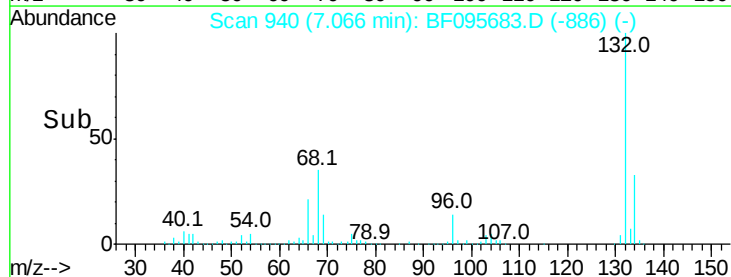
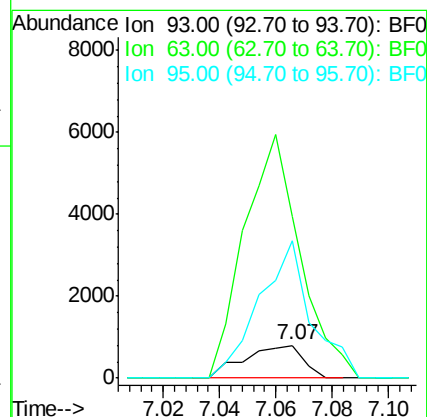
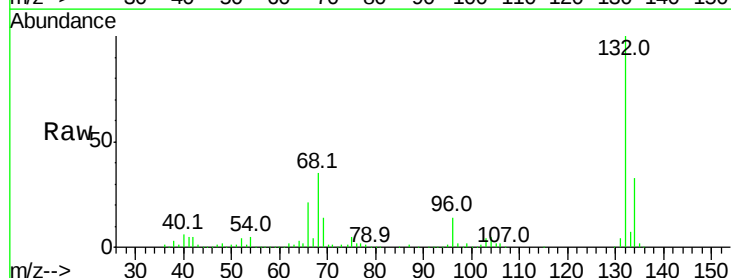
Tgt Ion: 93 Resp: 1152

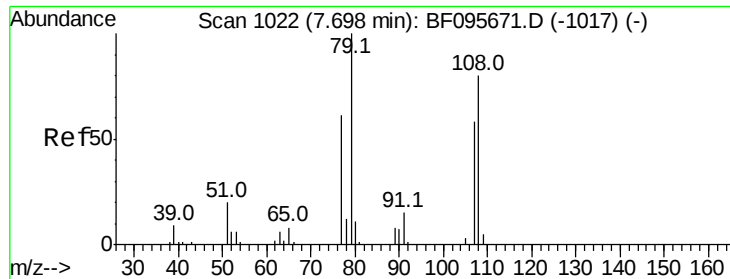
Ion Ratio Lower Upper

93 100

63 494.7 59.2 99.2#

95 422.0 12.8 52.8#





#15

Benzyl Alcohol

Concen: 2.03 ng

RT: 7.64 min Scan# 1037

Delta R.T. -0.06 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

Instrument :

BNA_F

ClientSampled :

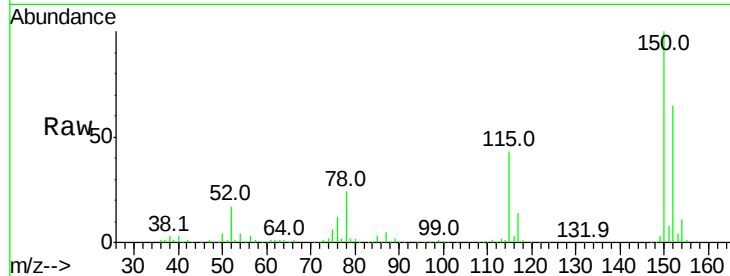
Tot Ion: 79 Resp: 11369

Ion Ratio Lower Upper

79 100

108 29.9 63.4 95.0#

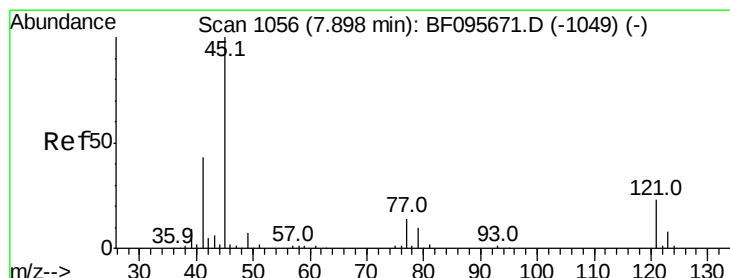
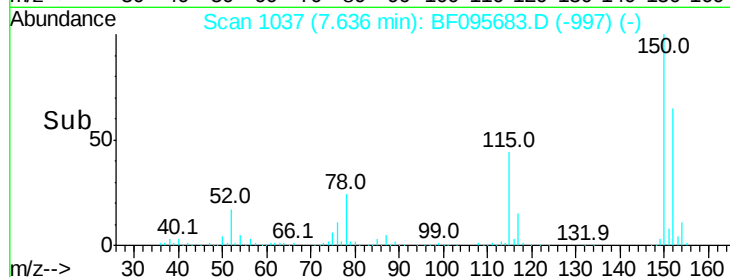
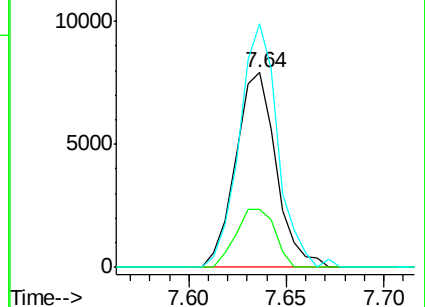
77 125.0 49.2 73.8#



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'-oxybis(1-Chloropropane)

Concen: 0.03 ng

RT: 7.88 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

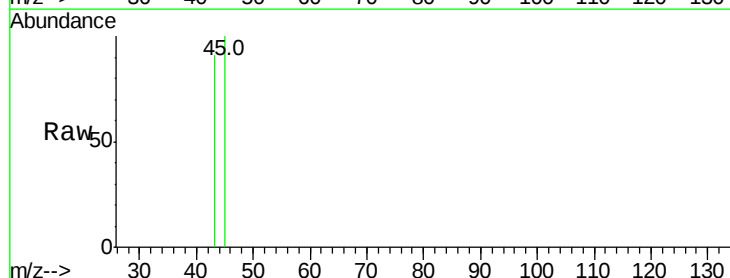
Tgt Ion: 45 Resp: 306

Ion Ratio Lower Upper

45 100

77 0.0 0.0 33.2

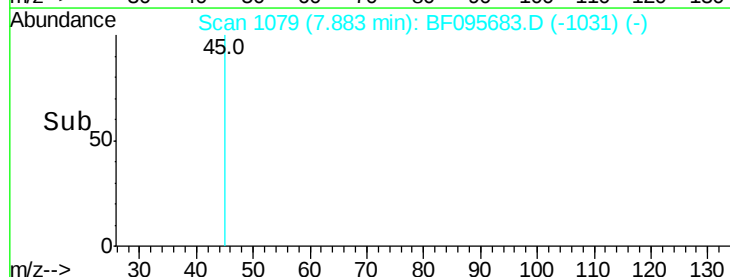
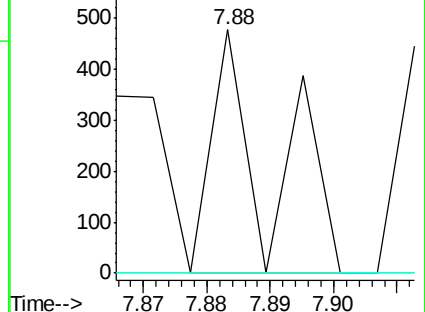
79 0.0 0.0 30.0

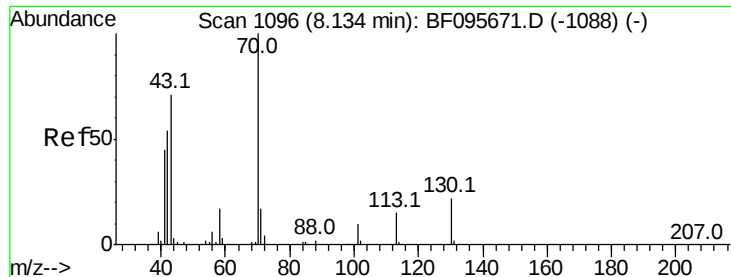


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

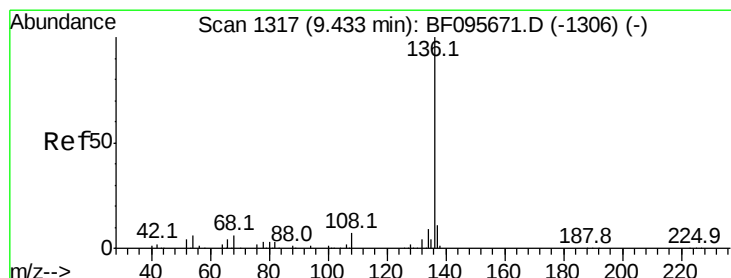
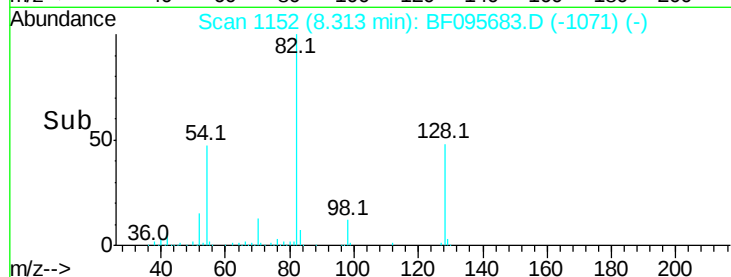
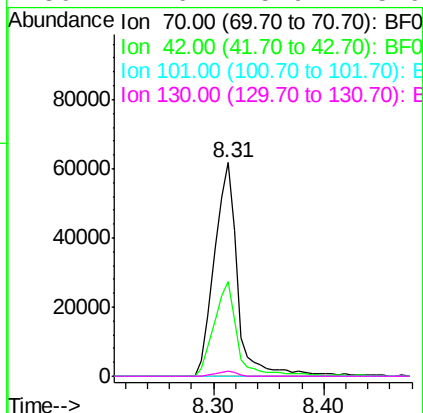
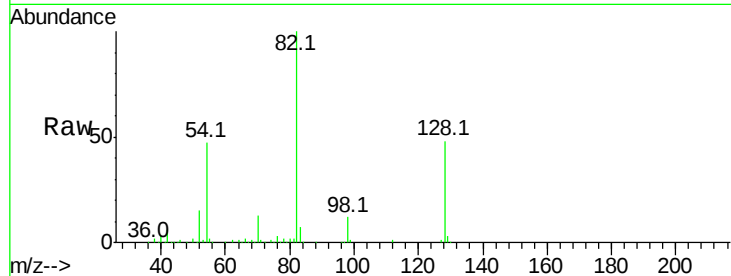




#19
n-Nitroso-di-n-propylamine
Concen: 17.33 ng
RT: 8.31 min Scan# 1152
Delta R.T. 0.18 min
Lab File: BF095683.D
Acq: 5 Jun 2017 20:32

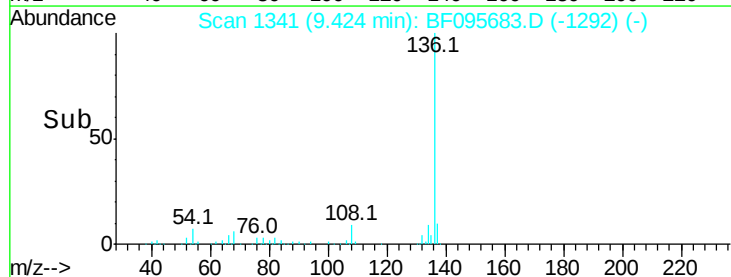
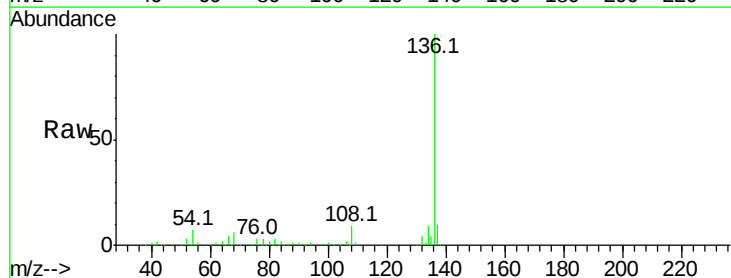
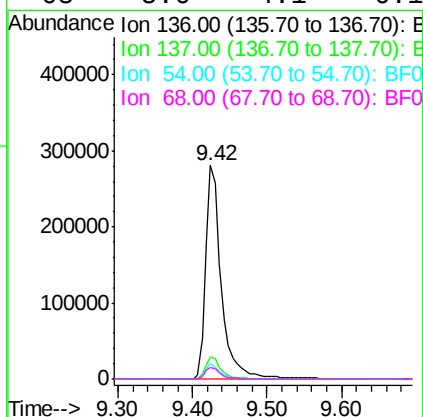
Instrument :
BNA_F
ClientSampled :

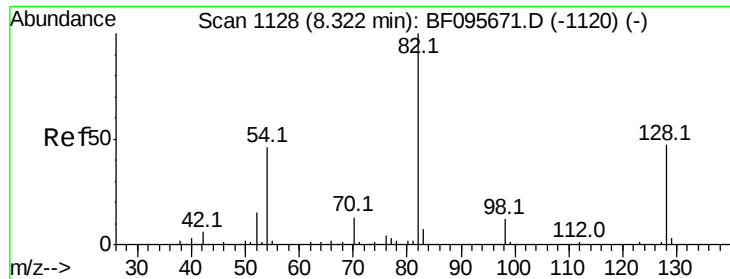
Tot Ion: 70 Resp: 89675
Ion Ratio Lower Upper
70 100
42 44.4 47.2 70.8#
101 0.0 7.2 10.8#
130 2.6 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.42 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF095683.D
Acq: 5 Jun 2017 20:32

Tgt Ion: 136 Resp: 413805
Ion Ratio Lower Upper
136 100
137 10.2 8.5 12.7
54 6.9 4.9 7.3
68 5.6 4.1 6.1

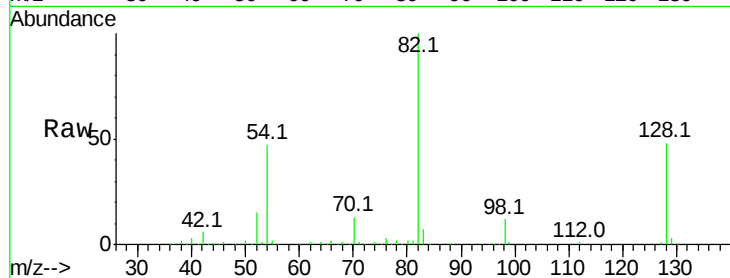




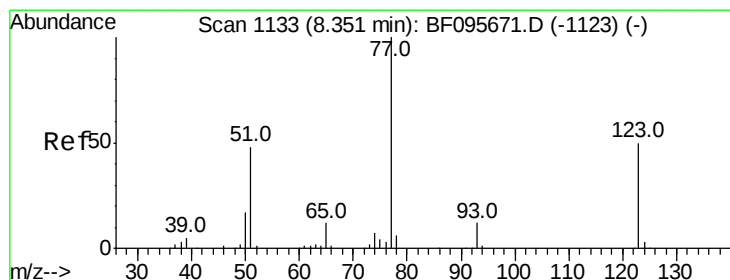
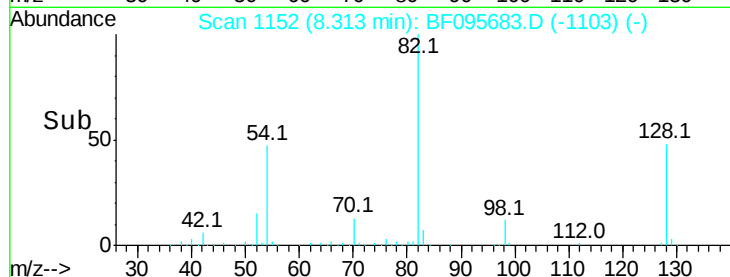
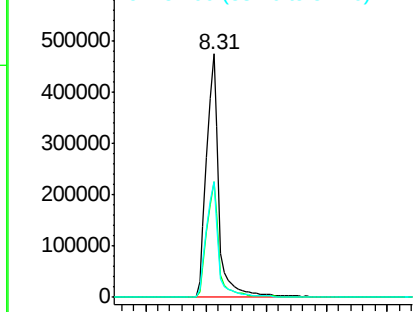
#23
Nitrobenzene-d5
Concen: 105.03 ng
RT: 8.31 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF095683.D
Acq: 5 Jun 2017 20:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 699799
Ion Ratio Lower Upper
82 100
128 47.5 34.0 51.0
54 47.4 42.2 63.2

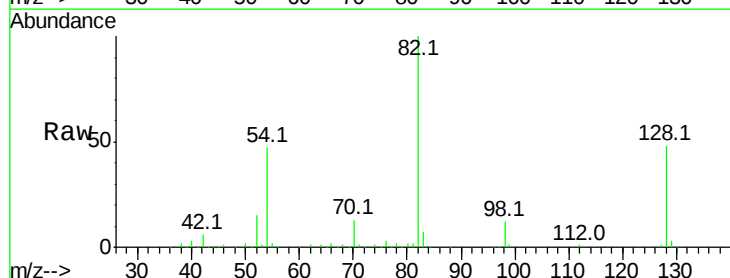


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

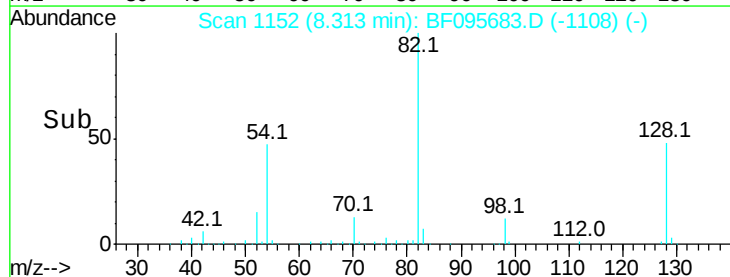
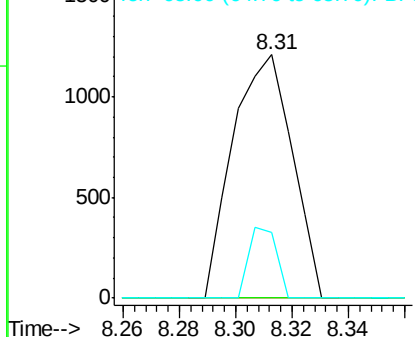


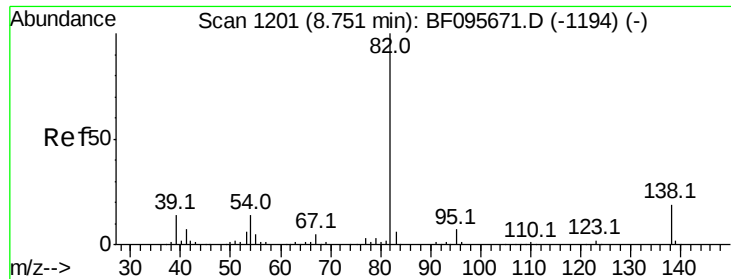
#24
Nitrobenzene
Concen: 0.25 ng
RT: 8.31 min Scan# 1152
Delta R.T. -0.04 min
Lab File: BF095683.D
Acq: 5 Jun 2017 20:32

Tgt Ion: 77 Resp: 1762
Ion Ratio Lower Upper
77 100
123 0.0 35.8 53.8#
65 27.0 10.6 15.8#



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





#25

Isophorone

Concen: 0.03 ng

RT: 8.68 min Scan# 1214

Delta R.T. -0.07 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

Instrument :

BNA_F

ClientSampled :

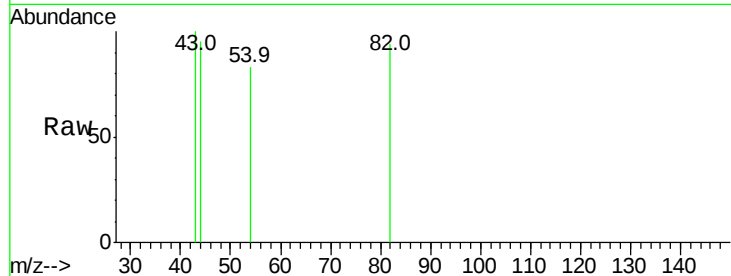
Tot Ion: 82 Resp: 362

Ion Ratio Lower Upper

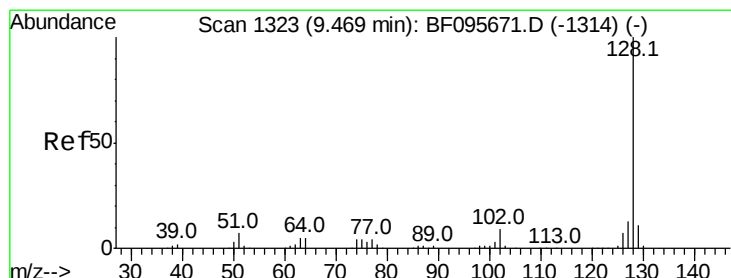
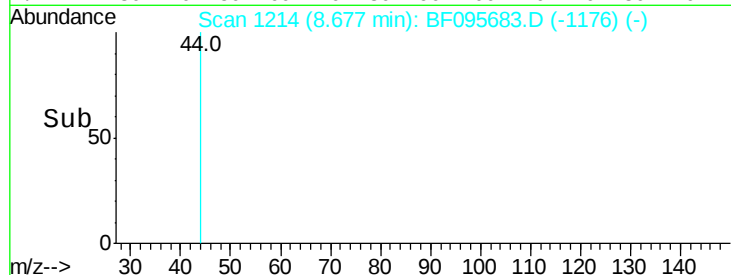
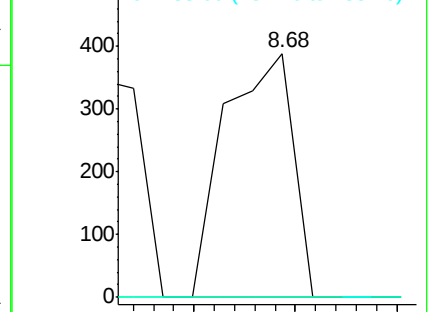
82 100

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): E



#31

Naphthalene

Concen: 0.23 ng

RT: 9.46 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

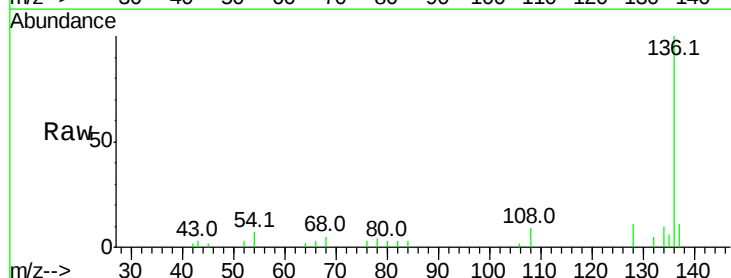
Tgt Ion: 128 Resp: 4810

Ion Ratio Lower Upper

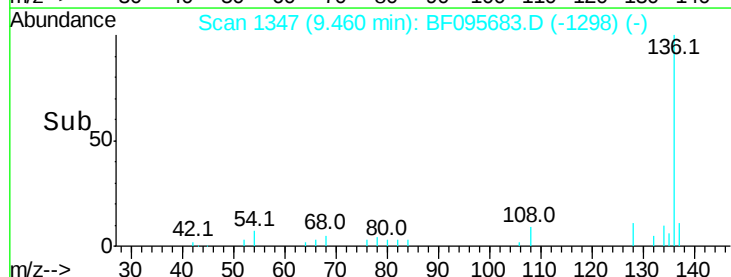
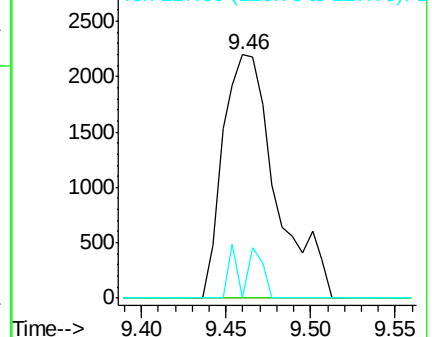
128 100

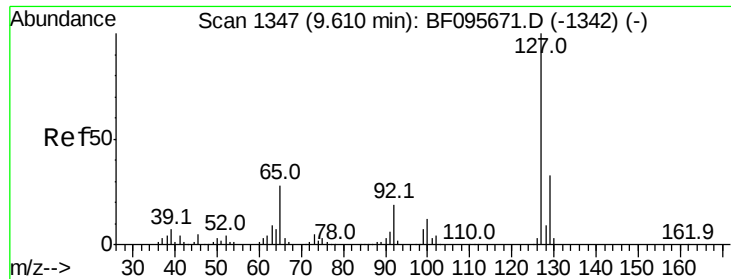
129 0.0 9.0 13.6#

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

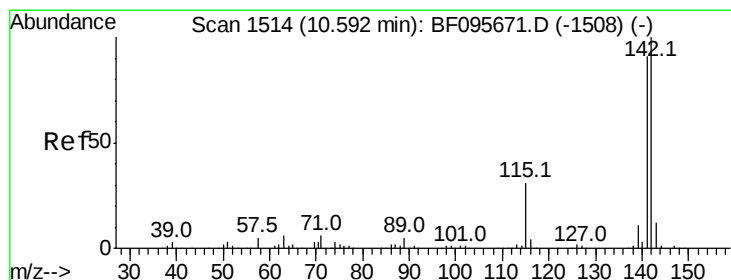
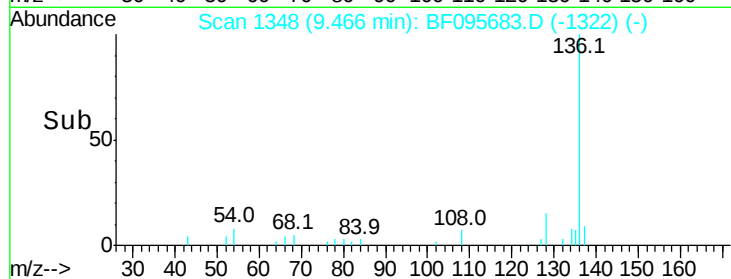
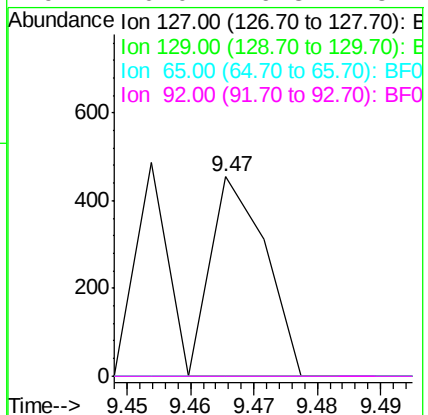
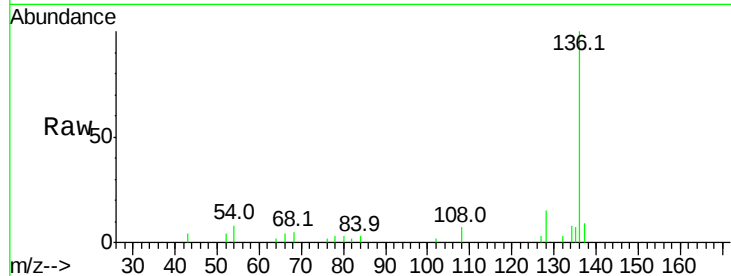




#33
4-Chloroaniline
Concen: 0.03 ng
RT: 9.47 min Scan# 1348
Delta R.T. -0.14 min
Lab File: BF095683.D
Acq: 5 Jun 2017 20:32

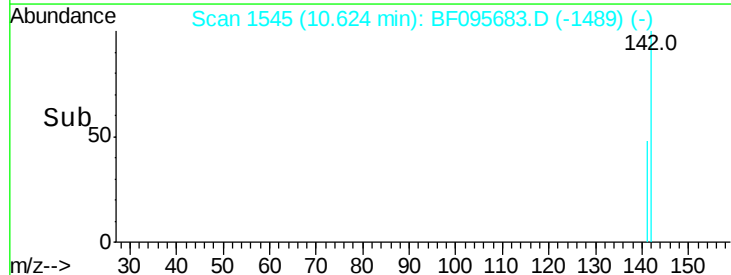
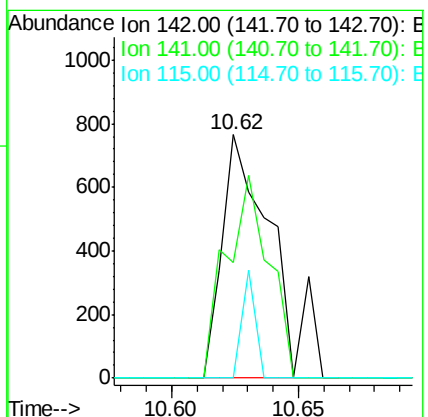
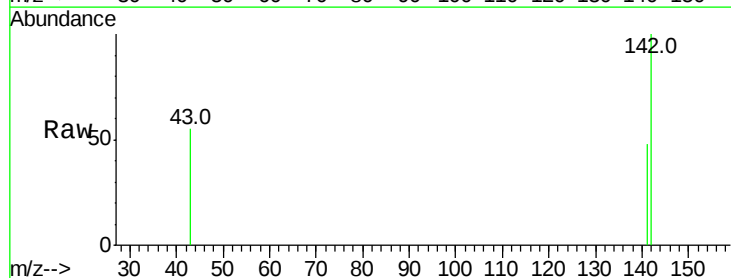
Instrument :
BNA_F
ClientSampleId :

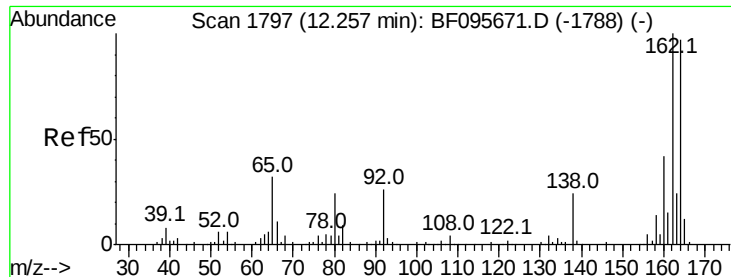
Tot Ion:	127	Resp:	270
Ion	Ratio	Lower	Upper
127	100		
129	0.0	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#37
2-Methylnaphthalene
Concen: 0.08 ng
RT: 10.62 min Scan# 1545
Delta R.T. 0.03 min
Lab File: BF095683.D
Acq: 5 Jun 2017 20:32

Tgt Ion:	142	Resp:	1056
Ion	Ratio	Lower	Upper
142	100		
141	47.7	71.3	106.9#
115	0.0	27.1	40.7#

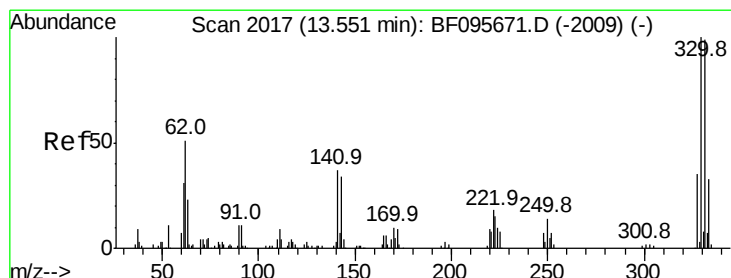
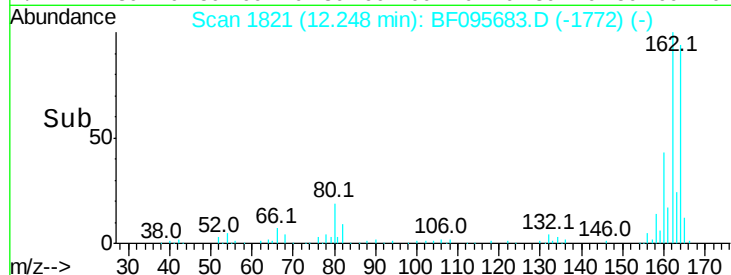
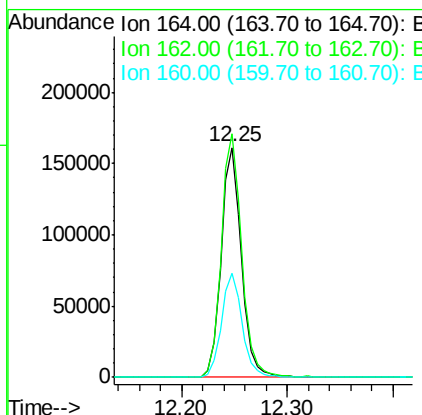
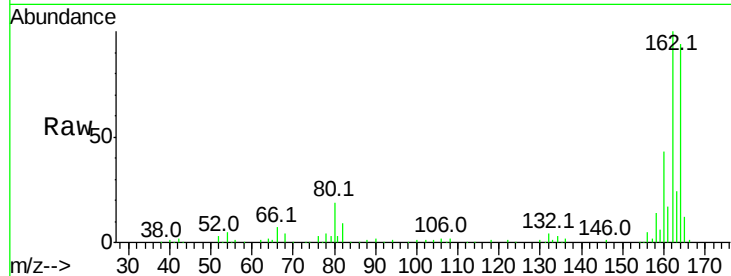




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.25 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF095683.D
Acq: 5 Jun 2017 20:32

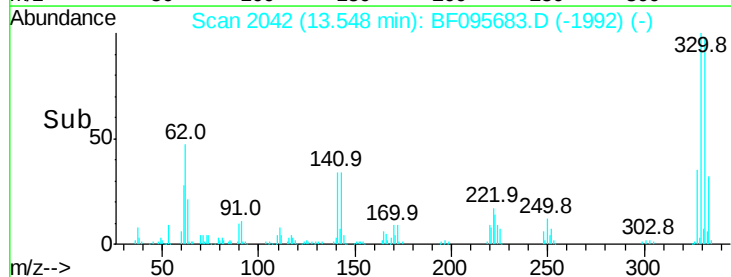
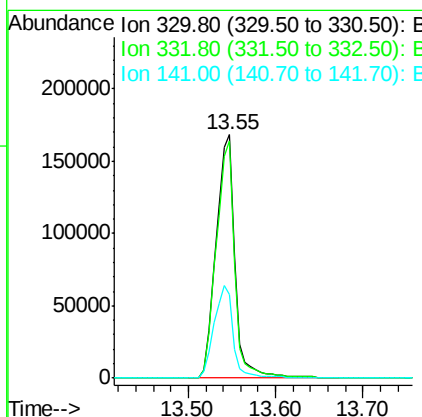
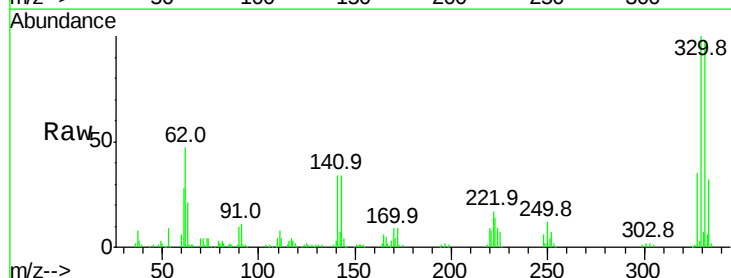
Instrument :
BNA_F
ClientSampleId :

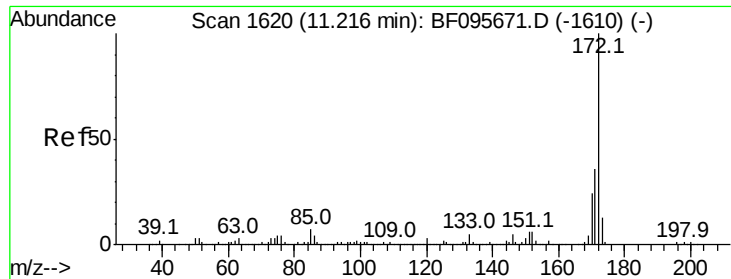
Tot Ion:164 Resp: 215004
Ion Ratio Lower Upper
164 100
162 106.0 82.6 123.8
160 45.1 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 133.64 ng
RT: 13.55 min Scan# 2042
Delta R.T. -0.00 min
Lab File: BF095683.D
Acq: 5 Jun 2017 20:32

Tgt Ion:330 Resp: 254221
Ion Ratio Lower Upper
330 100
332 95.7 76.6 115.0
141 38.9 31.4 47.2

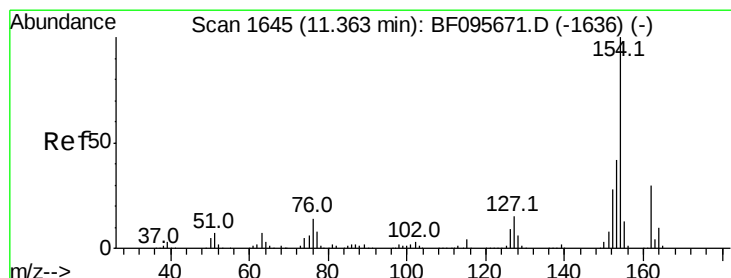
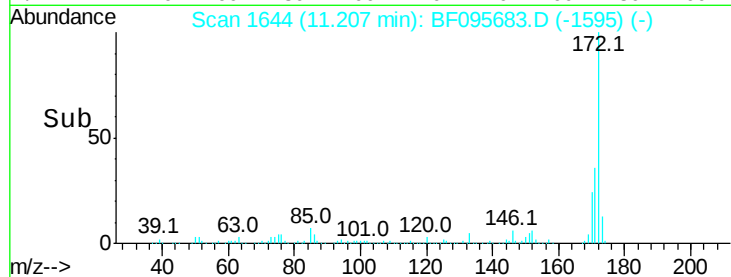
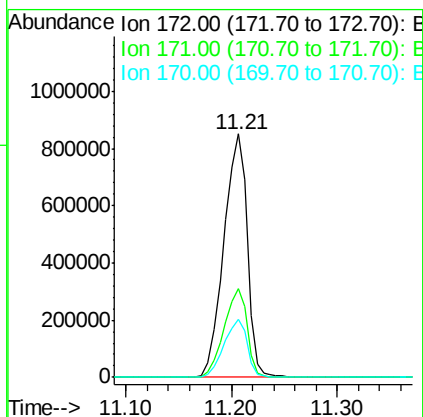
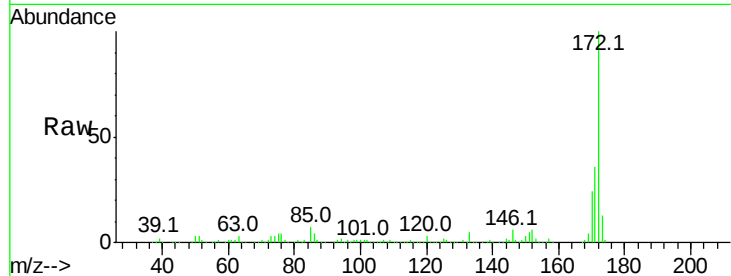




#44
2-Fluorobiphenyl
Concen: 84.45 ng
RT: 11.21 min Scan# 1644
Delta R.T. -0.01 min
Lab File: BF095683.D
Acq: 5 Jun 2017 20:32

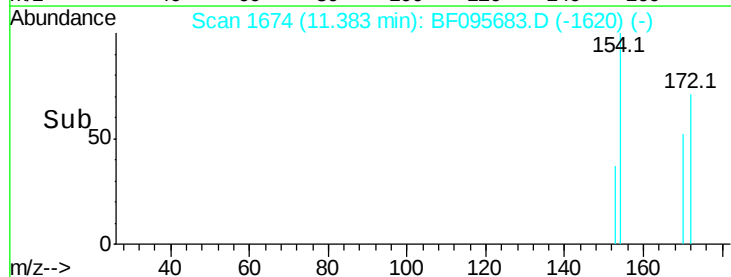
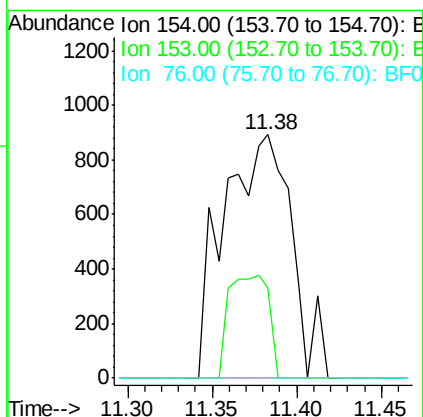
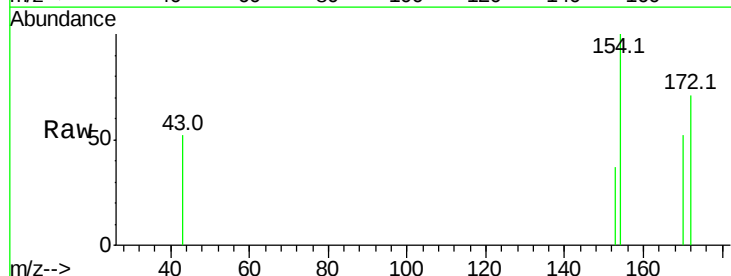
Instrument :
BNA_F
ClientSampleId :

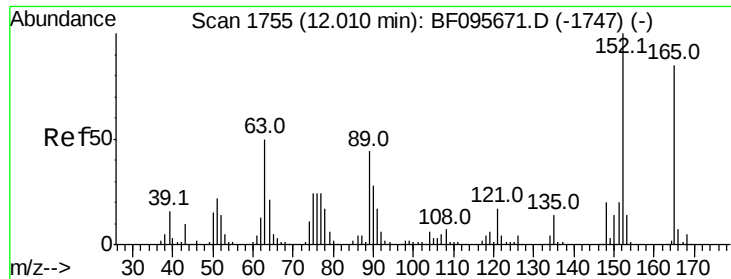
Tot Ion:172 Resp: 1304736
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.1 19.8 29.8



#45
1,1'-Biphenyl
Concen: 0.14 ng
RT: 11.38 min Scan# 1674
Delta R.T. 0.02 min
Lab File: BF095683.D
Acq: 5 Jun 2017 20:32

Tgt Ion:154 Resp: 2491
Ion Ratio Lower Upper
154 100
153 37.1 21.2 61.2
76 0.0 0.0 29.9

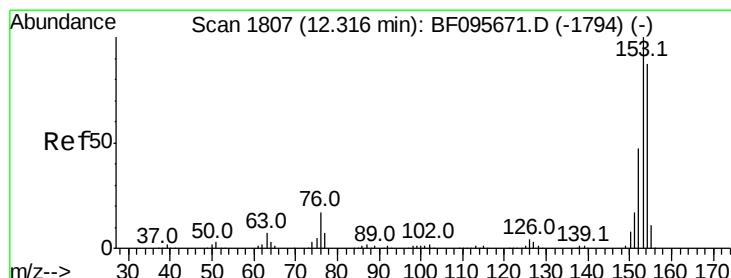
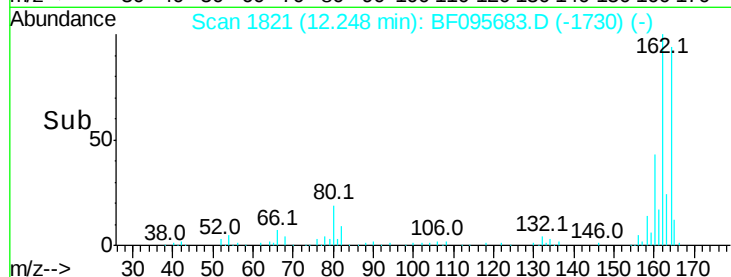
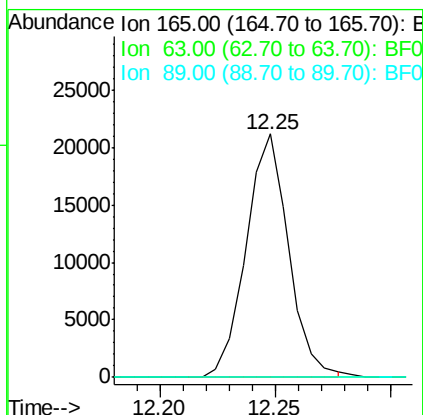
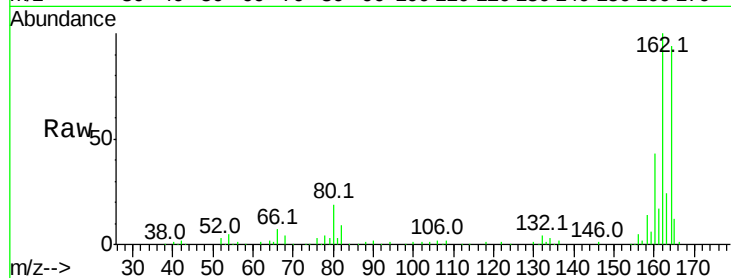




#50
 2,6-Dinitrotoluene
 Concen: 7.62 ng
 RT: 12.25 min Scan# 1821
 Delta R.T. 0.24 min
 Lab File: BF095683.D
 Acq: 5 Jun 2017 20:32

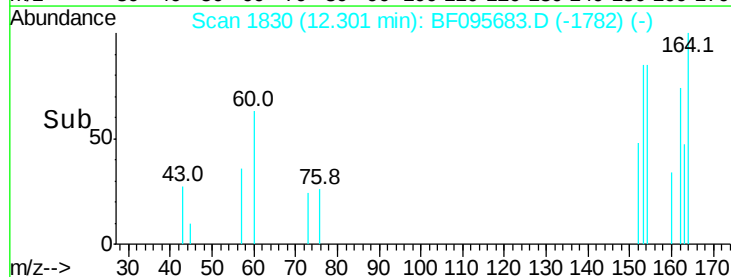
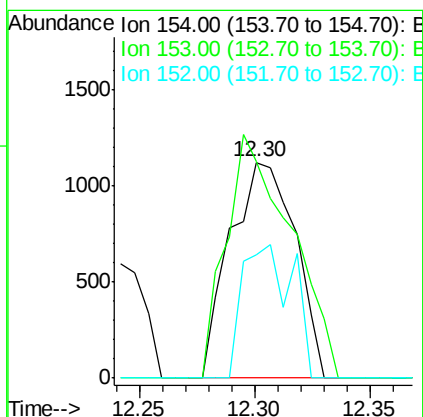
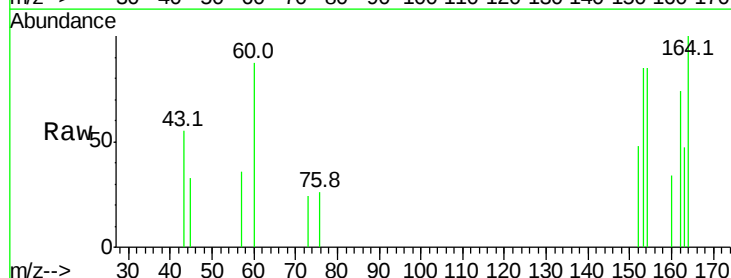
Instrument :
 BNA_F
 ClientSampleId :

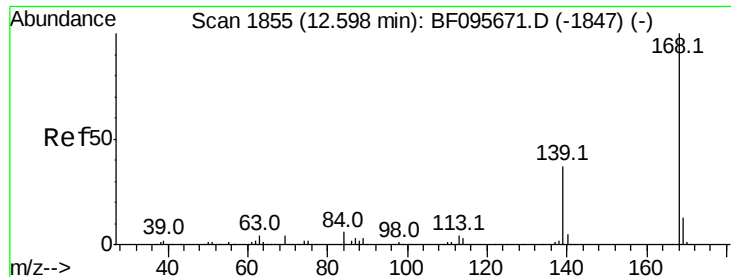
Tot Ion:165 Resp: 27134
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#



#51
 Acenaphthene
 Concen: 0.16 ng
 RT: 12.30 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF095683.D
 Acq: 5 Jun 2017 20:32

Tgt Ion:154 Resp: 2194
 Ion Ratio Lower Upper
 154 100
 153 100.5 90.5 135.7
 152 57.0 43.6 65.4





#54

Dibenzenofuran

Concen: 0.05 ng

RT: 12.64 min Scan# 1888

Delta R.T. 0.04 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

Instrument :

BNA_F

ClientSampleId :

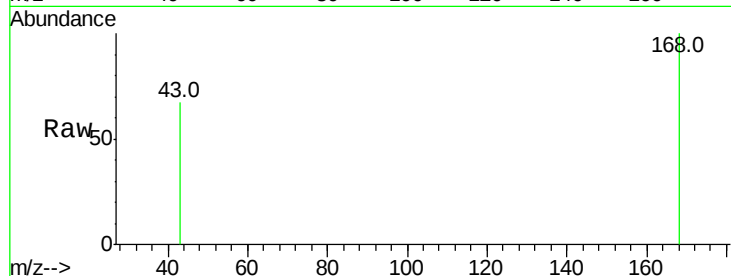
Tot Ion:168 Resp: 960

Ion Ratio Lower Upper

168 100

139 0.0 30.6 45.8#

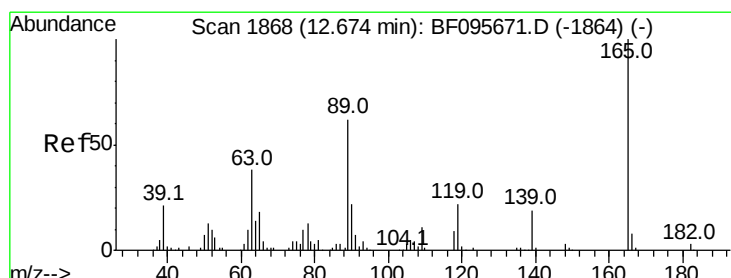
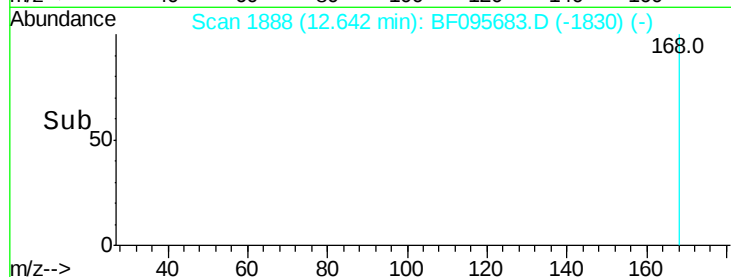
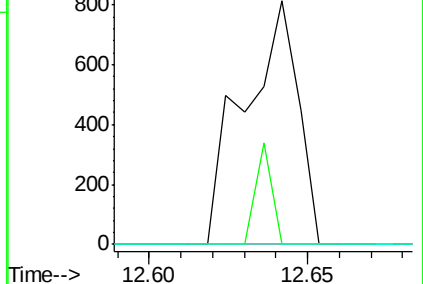
169 0.0 10.8 16.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 4.67 ng

RT: 12.64 min Scan# 1887

Delta R.T. -0.04 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

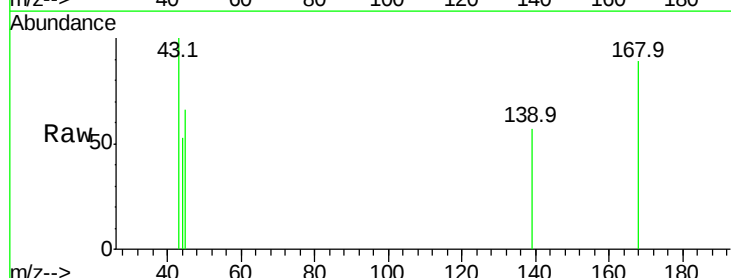
Tgt Ion:139 Resp: 120

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

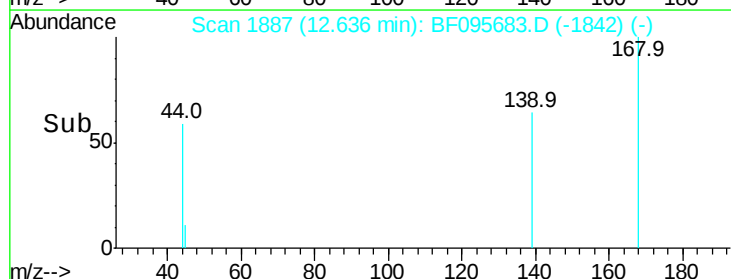
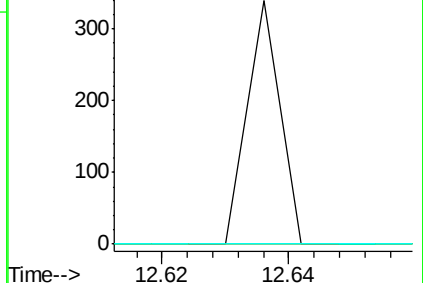
65 0.0 31.4 71.4#

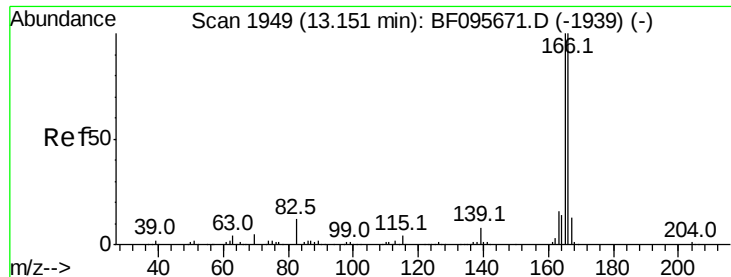


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 0.09 ng

RT: 13.17 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

Instrument :

BNA_F

ClientSampleId :

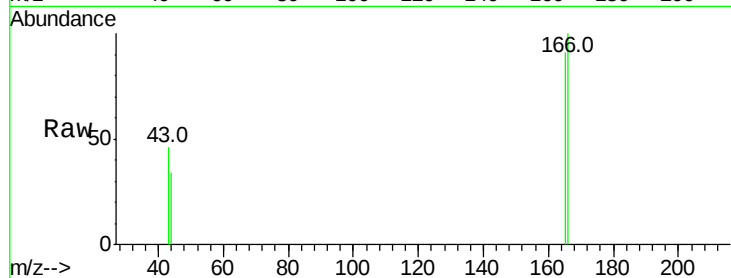
Tot Ion:166 Resp: 1436

Ion Ratio Lower Upper

166 100

165 91.1 78.8 118.2

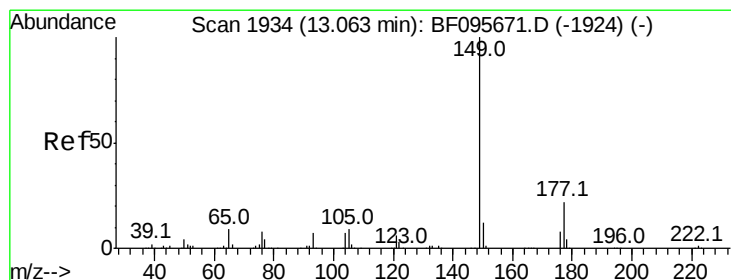
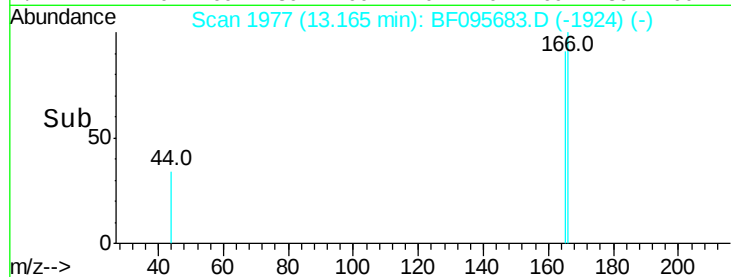
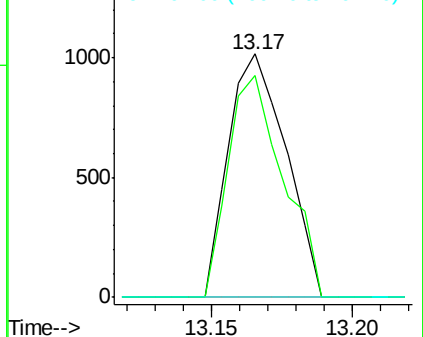
167 0.0 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 0.84 ng

RT: 13.05 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

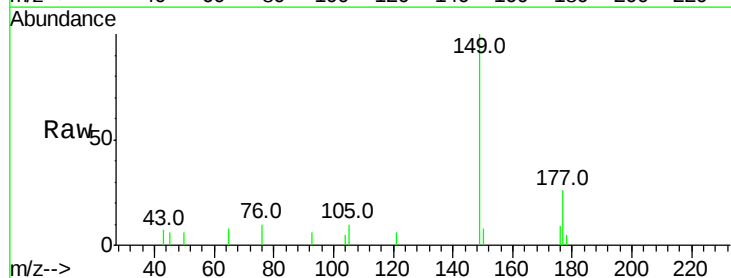
Tgt Ion:149 Resp: 13204

Ion Ratio Lower Upper

149 100

177 25.9 16.7 25.1#

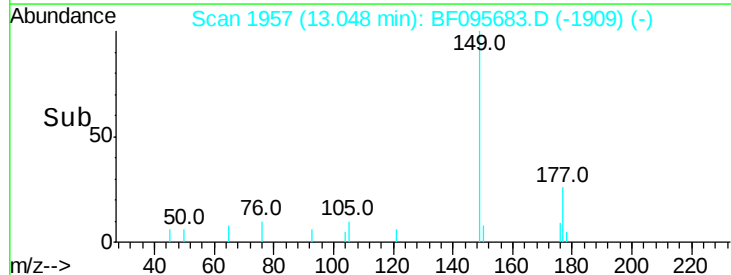
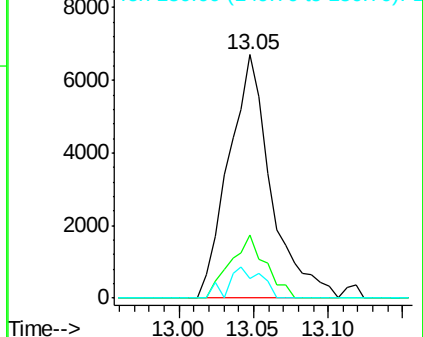
150 7.9 10.2 15.2#

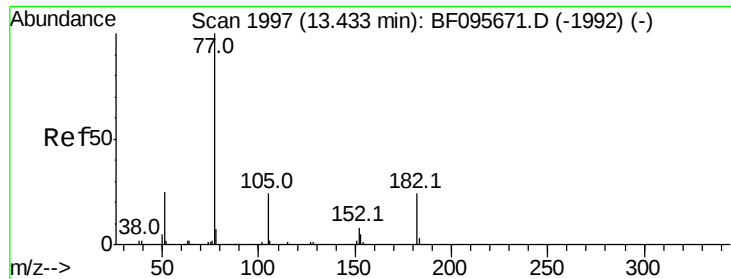


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.10 ng

RT: 13.54 min Scan# 2040

Delta R.T. 0.10 min

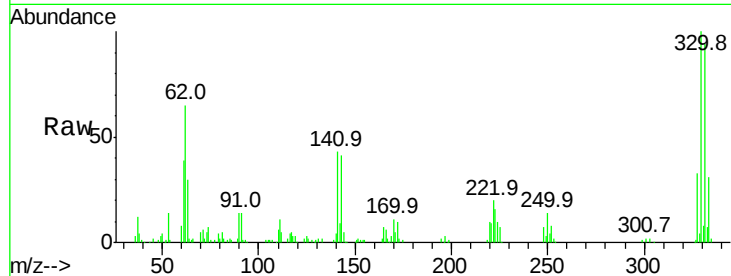
Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

Instrument :

BNA_F

ClientSampled :



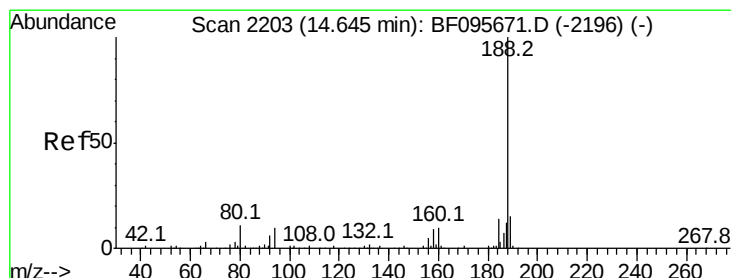
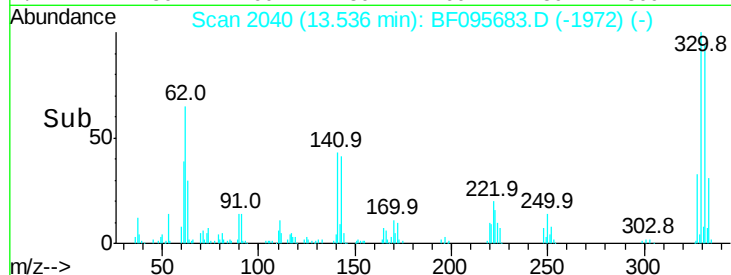
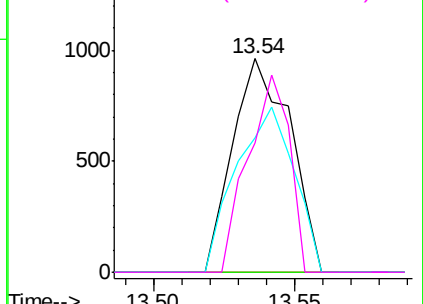
Tot Ion	77	Resp	1361
Ion	Ratio	Lower	Upper
77	100		
182	0.0	0.1	40.1#
105	63.0	3.6	43.6#
51	60.8	9.4	49.4#

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: BF095683.D

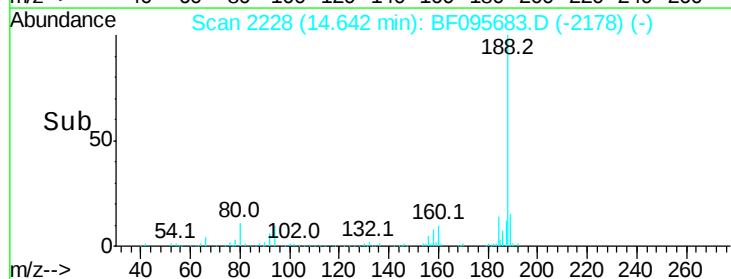
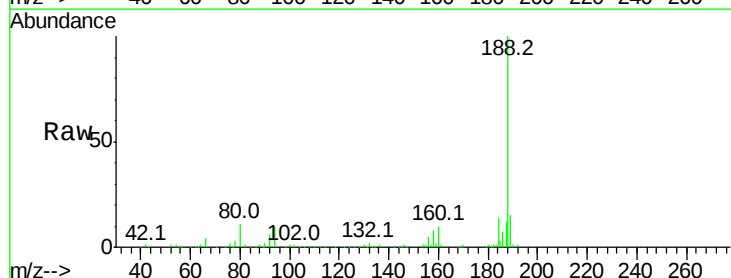
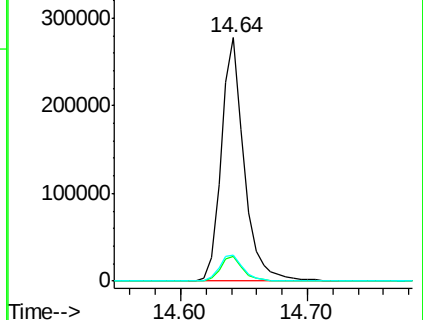
Acq: 5 Jun 2017 20:32

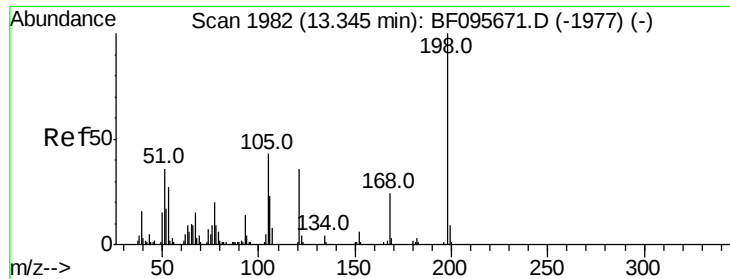
Tgt Ion	188	Resp	346594
Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.4	14.2
80	10.6	10.2	15.2

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: 0.22 ng

RT: 13.54 min Scan# 2040

Delta R.T. 0.19 min

Lab File: BF095683.D

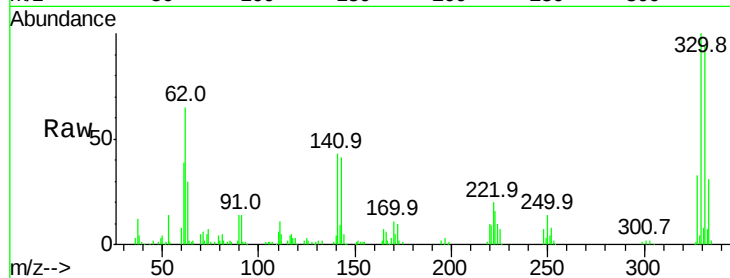
Acq: 5 Jun 2017 20:32

Instrument :

BNA_F

ClientSampled :

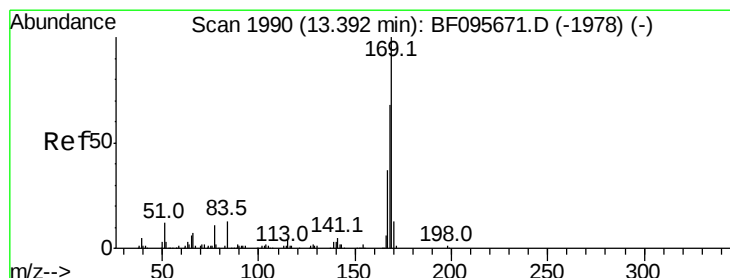
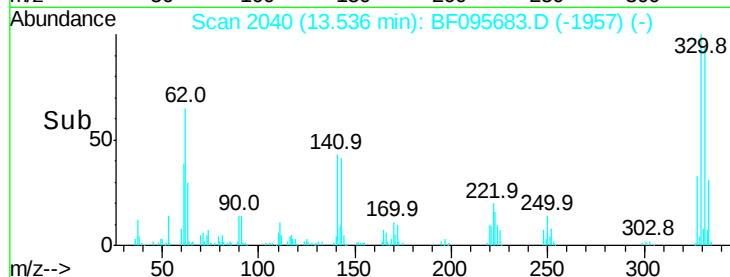
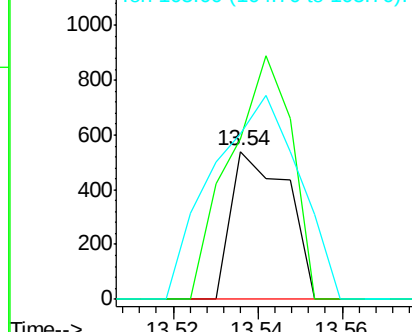
Tot Ion	198	Resp	501
Ion Ratio	100	Lower	Upper
51	108.1	53.2	93.2#
105	112.0	45.8	85.8#



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: 0.68 ng

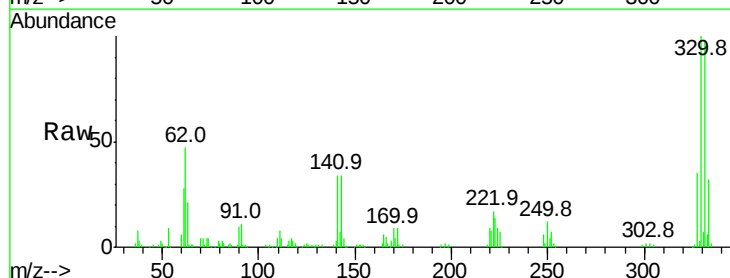
RT: 13.55 min Scan# 2042

Delta R.T. 0.16 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

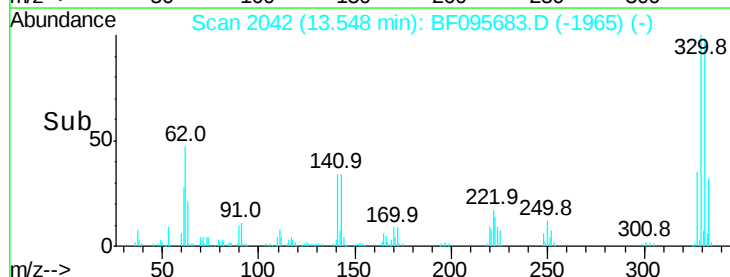
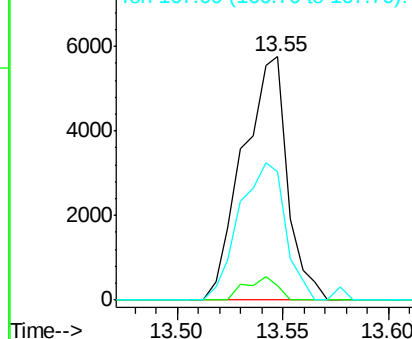
Tgt Ion	169	Resp	8456
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
168	5.8	53.2	79.8#
167	52.8	29.5	44.3#

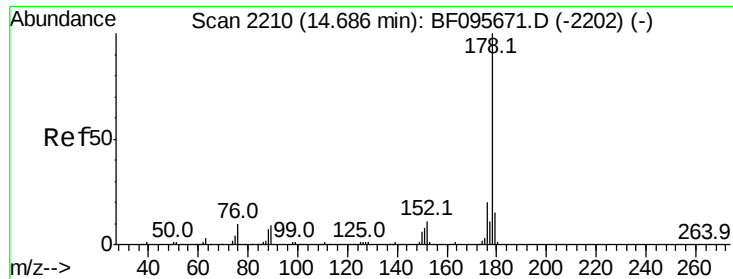


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 0.13 ng

RT: 14.68 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

Instrument :

BNA_F

ClientSampleId :

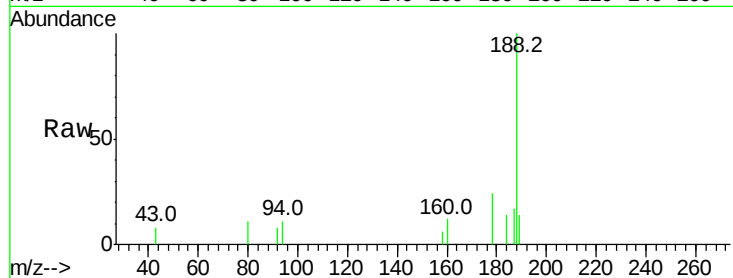
Tot Ion:178 Resp: 2592

Ion Ratio Lower Upper

178 100

176 0.0 16.2 24.4#

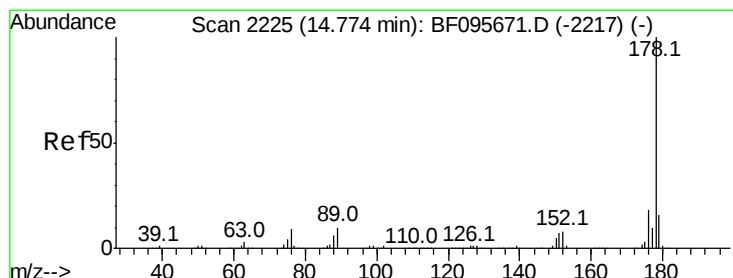
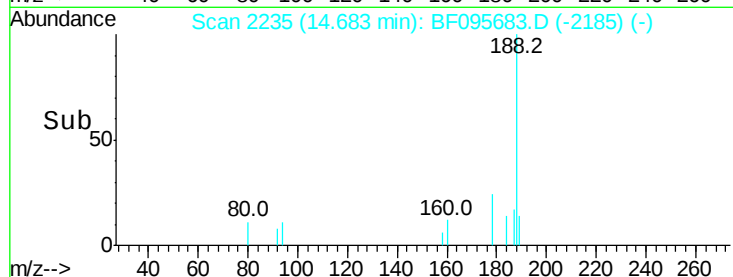
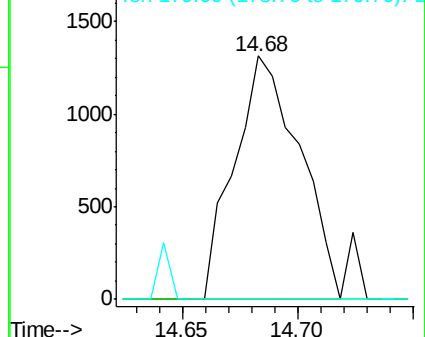
179 0.0 12.6 19.0#



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



#71

Anthracene

Concen: 0.12 ng

RT: 14.68 min Scan# 2235

Delta R.T. -0.09 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

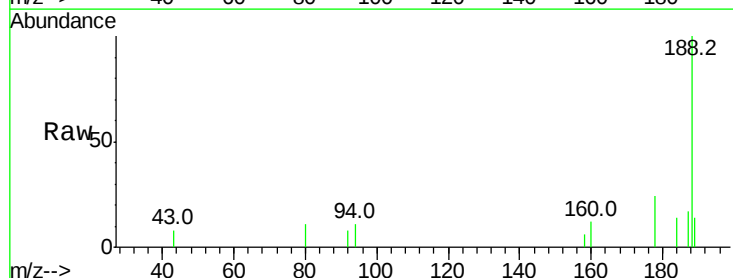
Tgt Ion:178 Resp: 2592

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.8#

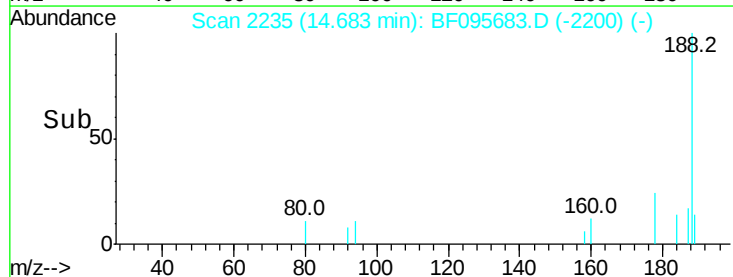
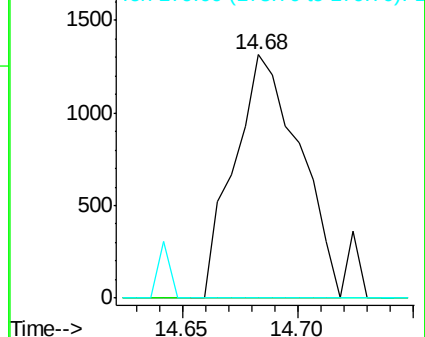
179 0.0 12.7 19.1#

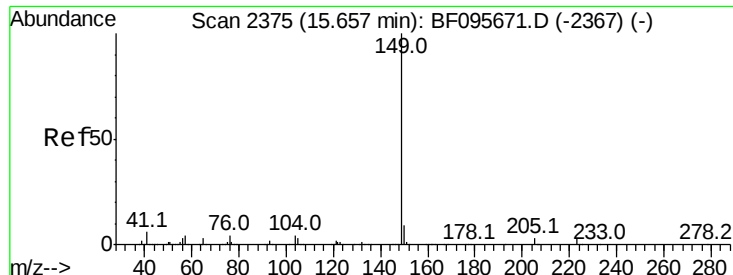


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 0.58 ng

RT: 15.65 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

Instrument :

BNA_F

ClientSampleId :

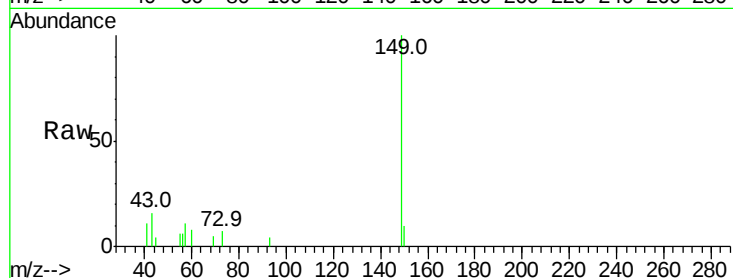
Tot Ion:149 Resp: 12501

Ion Ratio Lower Upper

149 100

150 10.1 7.7 11.5

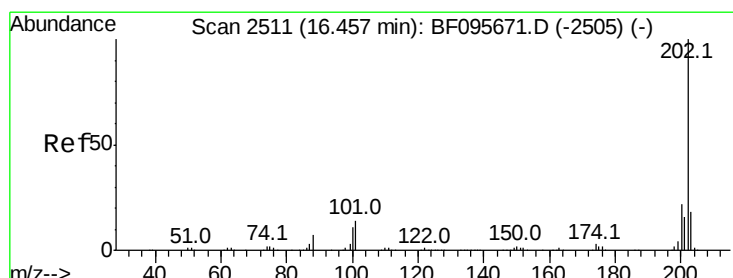
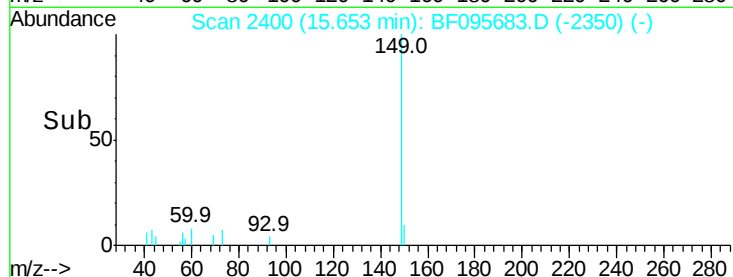
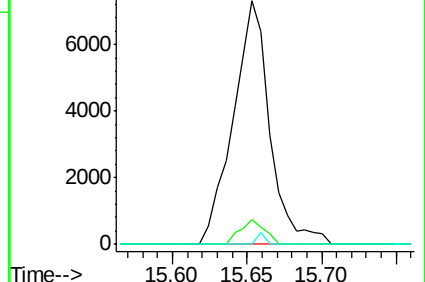
104 0.0 4.0 6.0#



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: 0.02 ng

RT: 16.50 min Scan# 2544

Delta R.T. 0.04 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

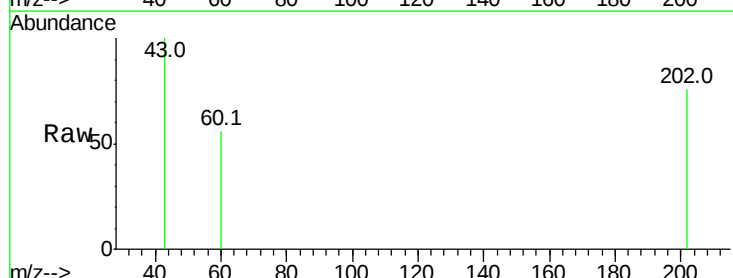
Tgt Ion:202 Resp: 315

Ion Ratio Lower Upper

202 100

101 0.0 0.0 33.2

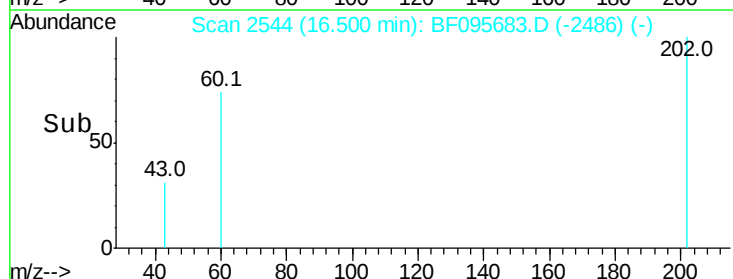
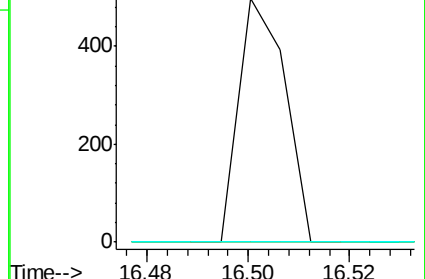
203 0.0 0.0 38.1

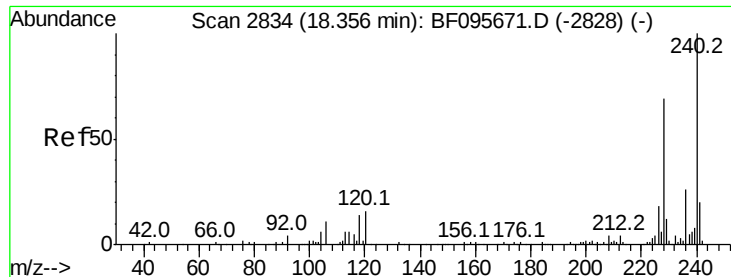


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2859

Delta R.T. -0.00 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

Instrument :

BNA_F

ClientSampleId :

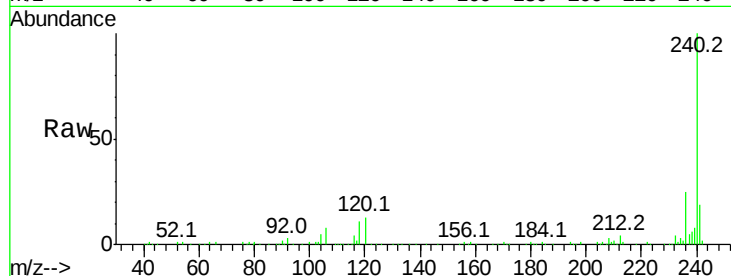
Tot Ion:240 Resp: 308359

Ion Ratio Lower Upper

240 100

120 12.8 5.8 8.8#

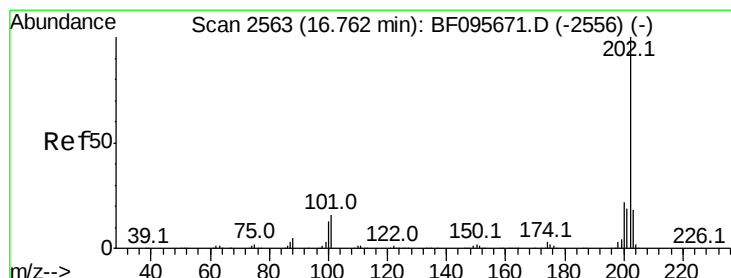
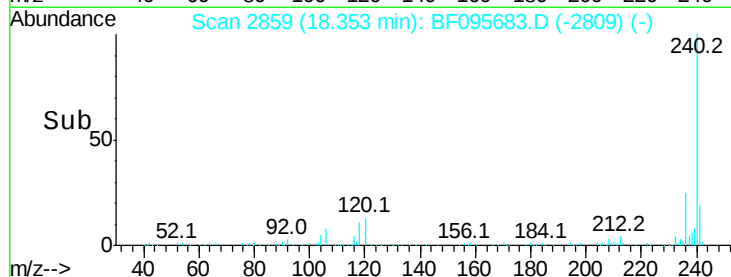
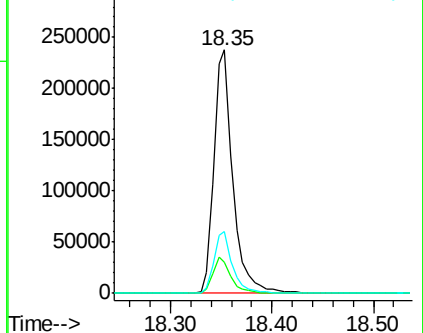
236 25.3 20.5 30.7



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: 16.80 min Scan# 2595

Delta R.T. 0.04 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

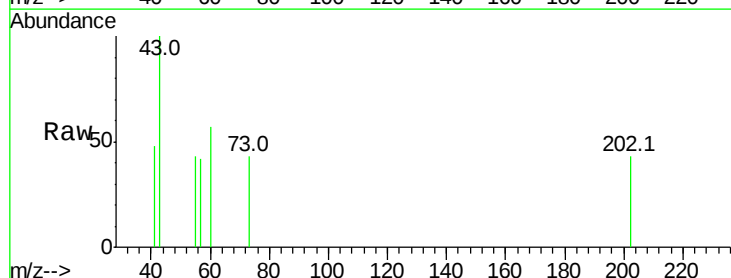
Tgt Ion:202 Resp: 120

Ion Ratio Lower Upper

202 100

200 0.0 17.6 26.4#

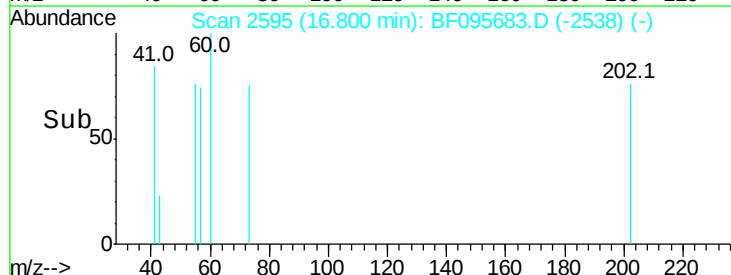
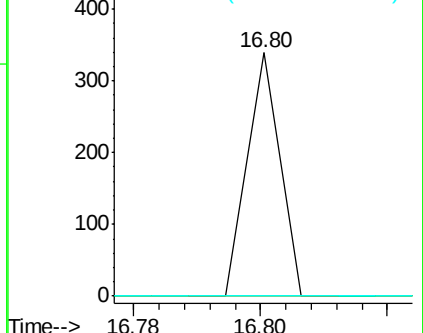
203 0.0 14.4 21.6#

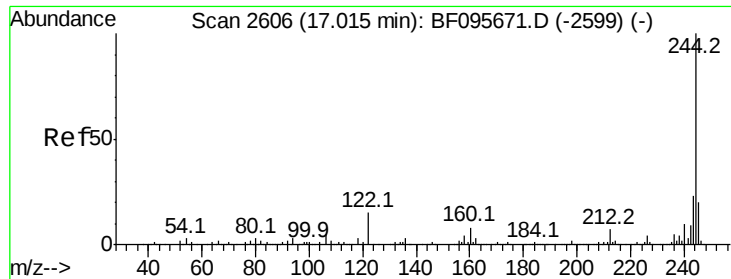


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

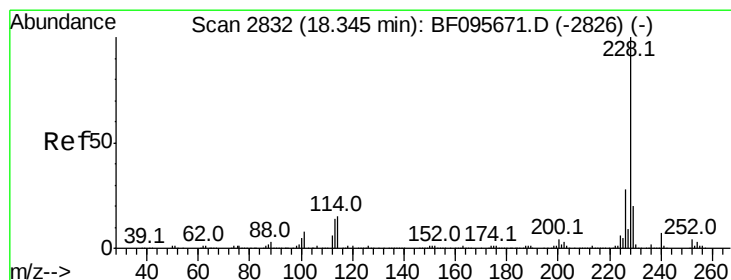
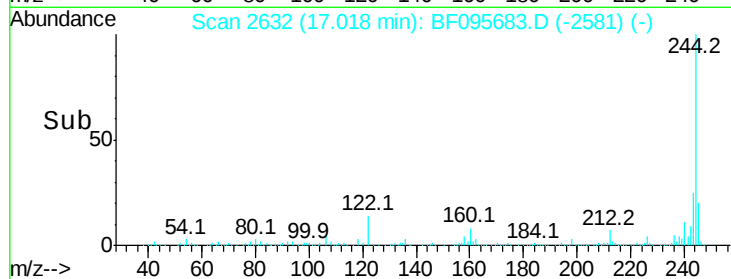
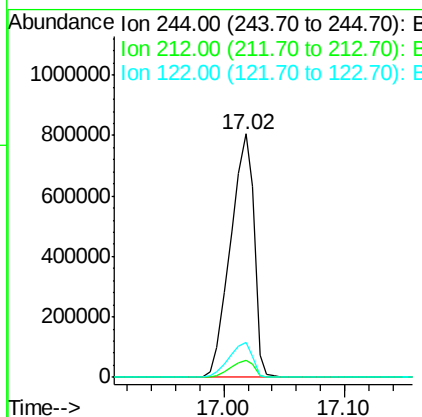
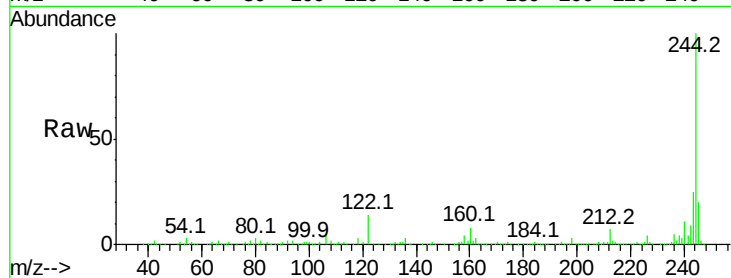




#78
 Terphenyl-d14
 Concen: 87.85 ng
 RT: 17.02 min Scan# 2632
 Delta R.T. 0.00 min
 Lab File: BF095683.D
 Acq: 5 Jun 2017 20:32

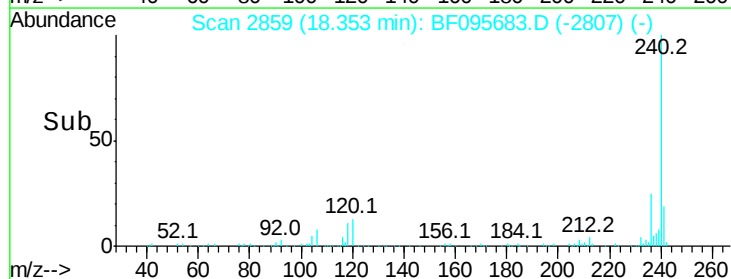
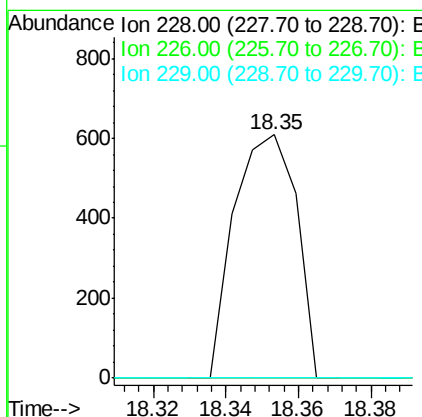
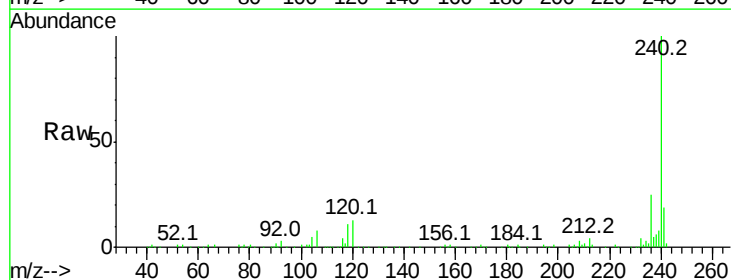
Instrument :
 BNA_F
 ClientSampleId :

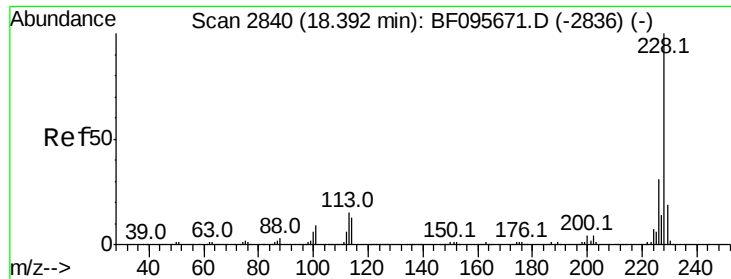
Tot Ion:244 Resp: 1091569
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 14.5 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 0.04 ng
 RT: 18.35 min Scan# 2859
 Delta R.T. 0.01 min
 Lab File: BF095683.D
 Acq: 5 Jun 2017 20:32

Tgt Ion:228 Resp: 724
 Ion Ratio Lower Upper
 228 100
 226 0.0 22.6 33.8#
 229 0.0 16.3 24.5#





#82

Chrysene

Concen: 0.04 ng

RT: 18.35 min Scan# 2859

Delta R.T. -0.04 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

Instrument :

BNA_F

ClientSampleId :

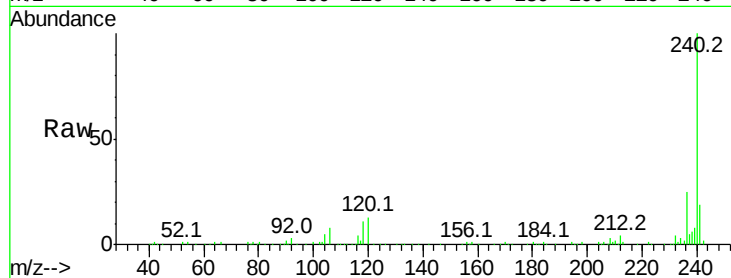
Tot Ion:228 Resp: 724

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

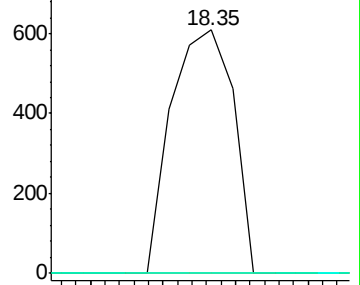
229 0.0 15.8 23.6#



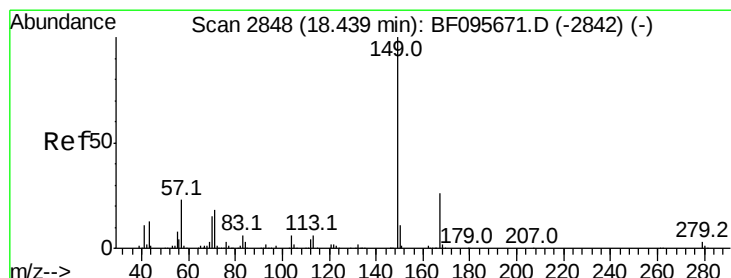
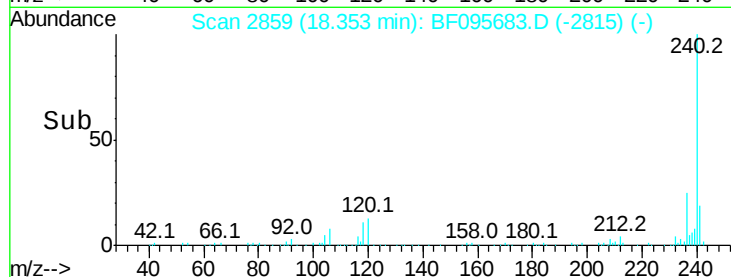
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.13 ng

RT: 18.43 min Scan# 2872

Delta R.T. -0.01 min

Lab File: BF095683.D

Acq: 5 Jun 2017 20:32

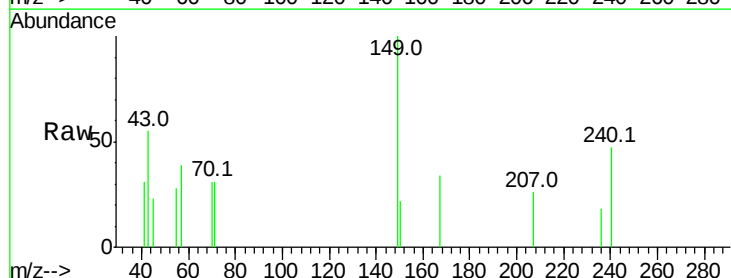
Tgt Ion:149 Resp: 1848

Ion Ratio Lower Upper

149 100

167 33.7 21.0 31.4#

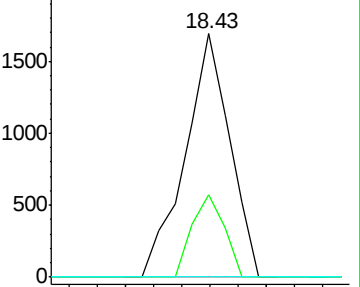
279 0.0 1.9 2.9#



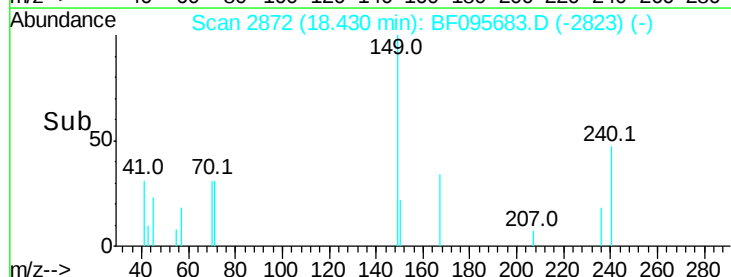
Abundance Ion 149.00 (148.70 to 149.70): E

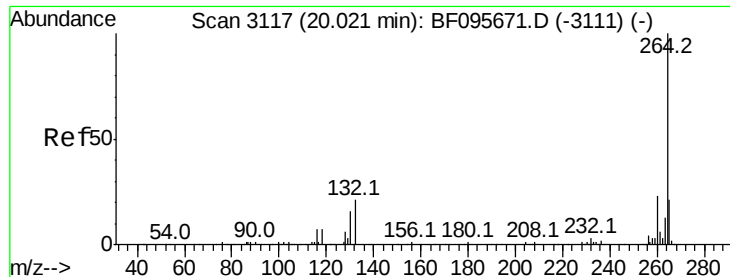
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

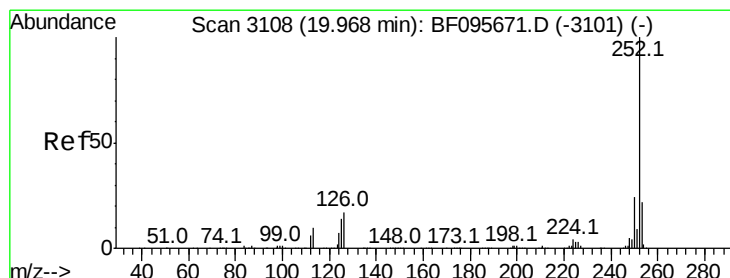
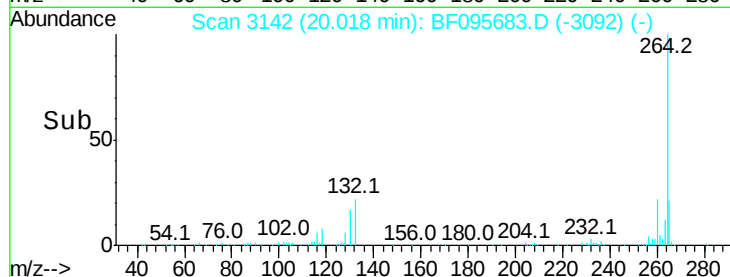
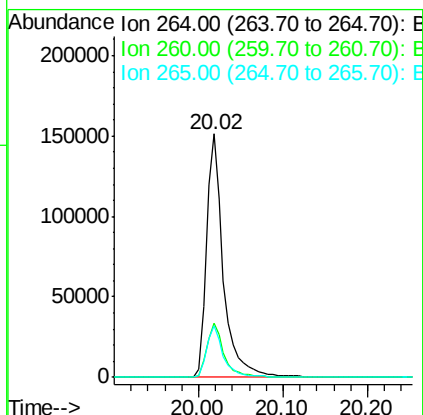
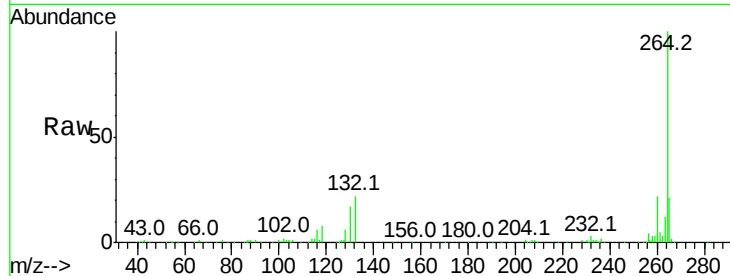




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BF095683.D
Acq: 5 Jun 2017 20:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 210345
Ion Ratio Lower Upper
264 100
260 22.4 19.5 29.3
265 21.0 17.2 25.8



#89
Benzo(a)pyrene
Concen: 0.02 ng
RT: 20.02 min Scan# 3142
Delta R.T. 0.05 min
Lab File: BF095683.D
Acq: 5 Jun 2017 20:32

Tgt Ion:252 Resp: 280
Ion Ratio Lower Upper
252 100
253 0.0 17.5 26.3#
125 98.5 11.0 16.4#

