

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103117\
 Data File : BF100000.D
 Acq On : 31 Oct 2017 14:07
 Operator : SJ/JU
 Sample : I6169-02RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 16:52:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 16:51:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	92514	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	383786	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	190090	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	362723	20.00	ng	0.00
75) Chrysene-d12	13.99	240	291474	20.00	ng	0.00
86) Perylene-d12	15.49	264	241563	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	777772	131.99	ng	0.03
7) Phenol-d6	6.44	99	839360	120.13	ng	0.00
23) Nitrobenzene-d5	7.36	82	602297	101.04	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	269296	155.45	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1258976	102.18	ng	0.00
78) Terphenyl-d14	12.92	244	1174083	88.03	ng	0.01

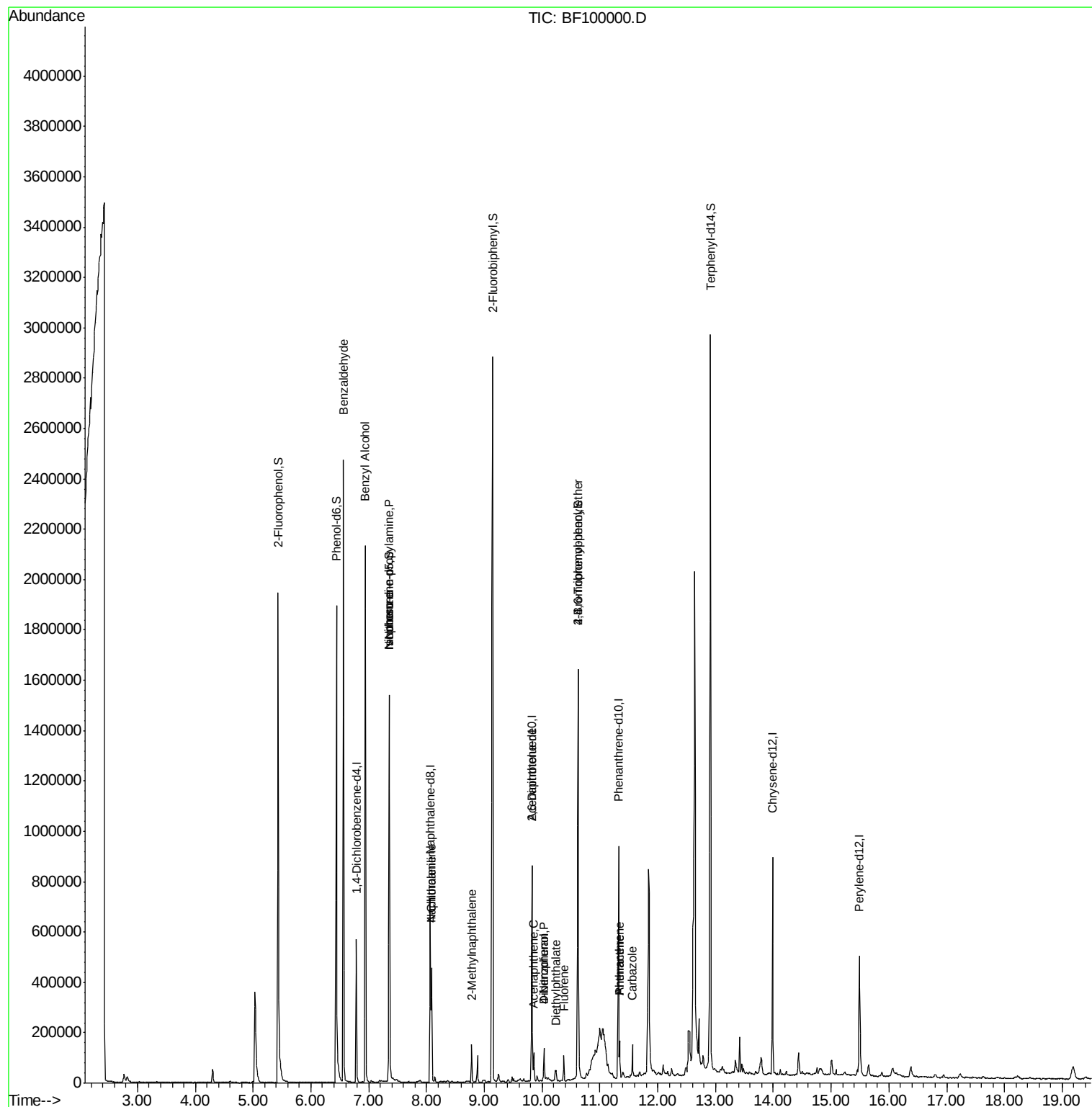
Target Compounds				Qvalue		
9) Benzaldehyde	6.56	77	14239	3.410	ng	88
15) Benzyl Alcohol	6.94	79	8907	2.004	ng	# 42
19) n-Nitroso-di-n-propylamine	7.36	70	75126	18.347	ng	# 72
25) Isophorone	7.36	82	602294	55.680	ng	# 64
31) Naphthalene	8.09	128	235841	12.731	ng	98
33) 4-Chloroaniline	8.09	127	29650	3.876	ng	# 29
37) 2-Methylnaphthalene	8.78	142	45588	3.672	ng	96
50) 2,6-Dinitrotoluene	9.82	165	25246	7.978	ng	# 25
51) Acenaphthene	9.86	154	28027	2.385	ng	98
54) Dibenzofuran	10.03	168	36087	2.175	ng	97
55) 4-Nitrophenol	10.03	139	13014	6.680	ng	# 10
57) Fluorene	10.37	166	29998	2.184	ng	98
59) Diethylphthalate	10.24	149	32936	2.240	ng	99
66) 4-Bromophenyl-phenylether	10.63	248	17661	4.625	ng	# 1
70) Phenanthrene	11.34	178	62606	3.058	ng	98
71) Anthracene	11.34	178	62606	3.013	ng	99
72) Carbazole	11.56	167	57714	2.954	ng	97

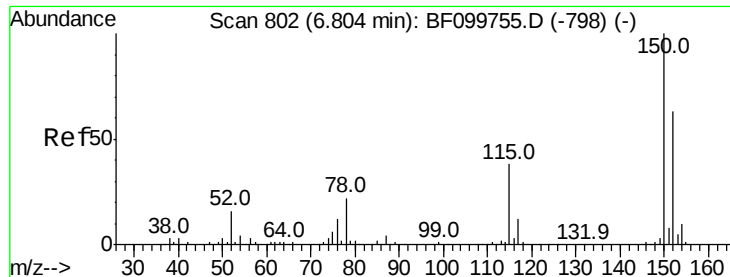
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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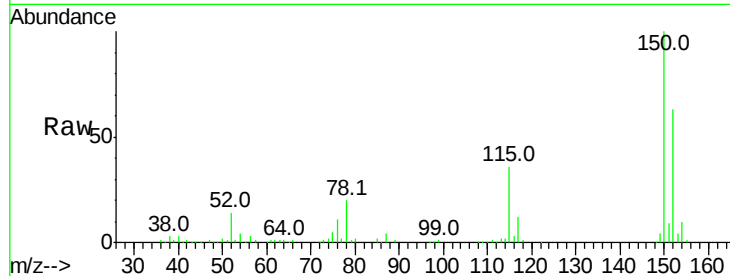


#1

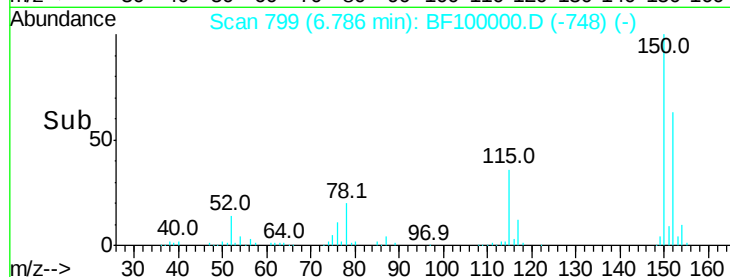
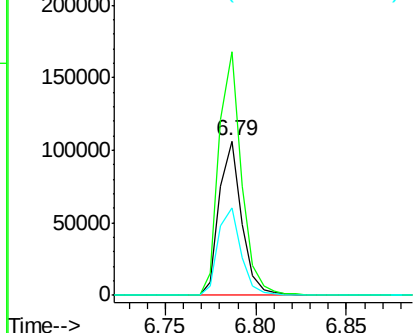
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF100000.D
Acq: 31 Oct 2017 14:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 92514
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 57.1 50.1 75.1



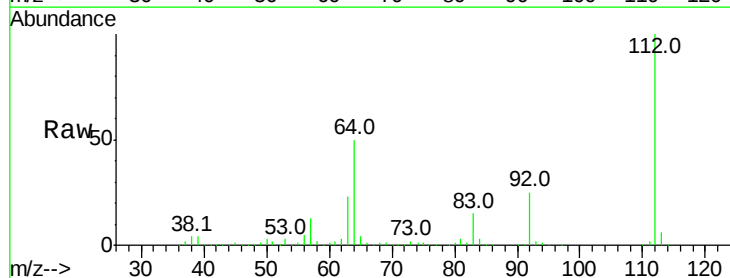
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



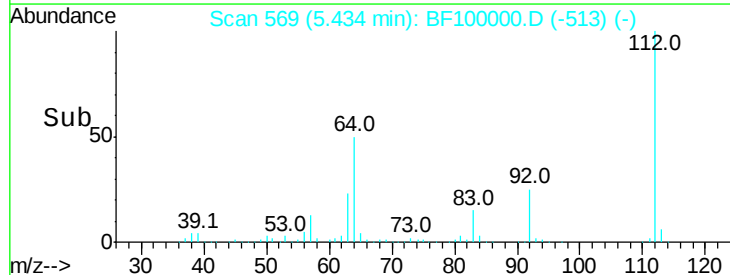
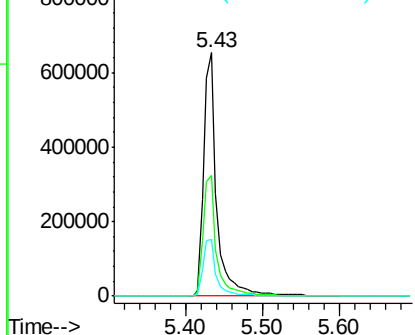
#5

2-Fluorophenol
Concen: 131.988 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.03 min
Lab File: BF100000.D
Acq: 31 Oct 2017 14:07

Tgt Ion:112 Resp: 777772
Ion Ratio Lower Upper
112 100
64 49.7 47.9 71.9
63 23.1 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 120.129 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF100000.D

Acq: 31 Oct 2017 14:07

Instrument :

BNA_F

ClientSampled :

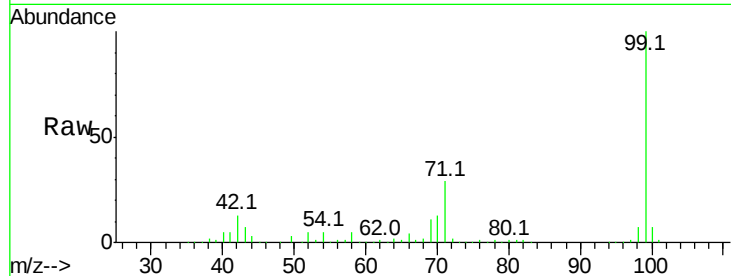
Tot Ion: 99 Resp: 839360

Ion Ratio Lower Upper

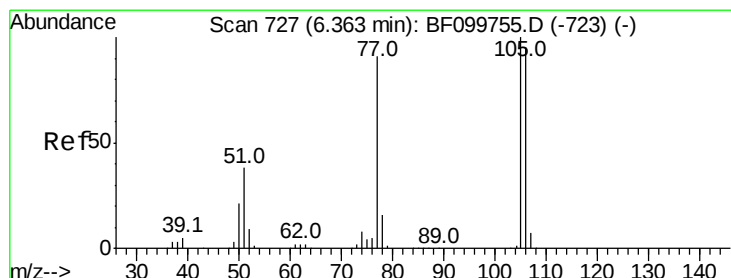
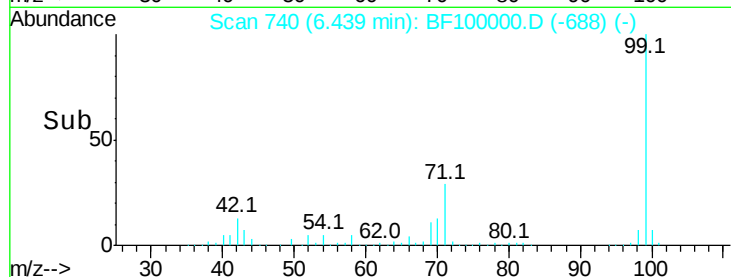
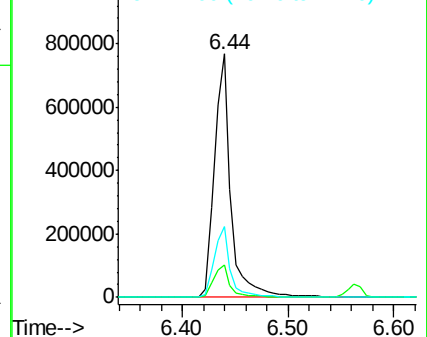
99 100

42 13.3 14.5 21.7#

71 29.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 3.410 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.21 min

Lab File: BF100000.D

Acq: 31 Oct 2017 14:07

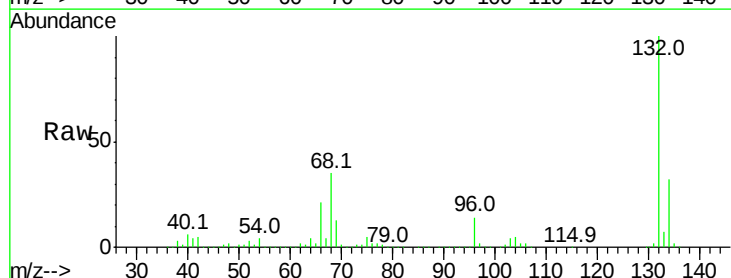
Tgt Ion: 77 Resp: 14239

Ion Ratio Lower Upper

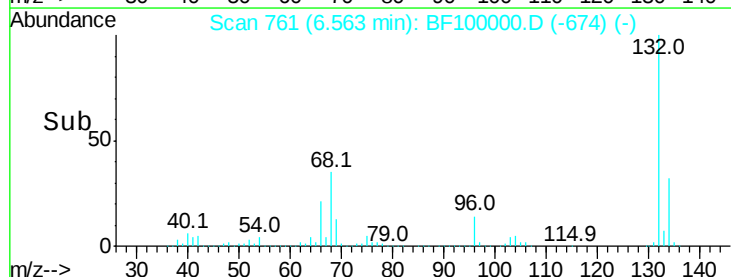
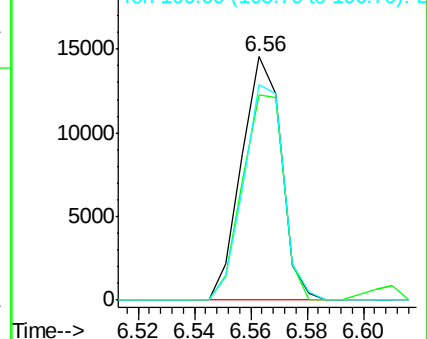
77 100

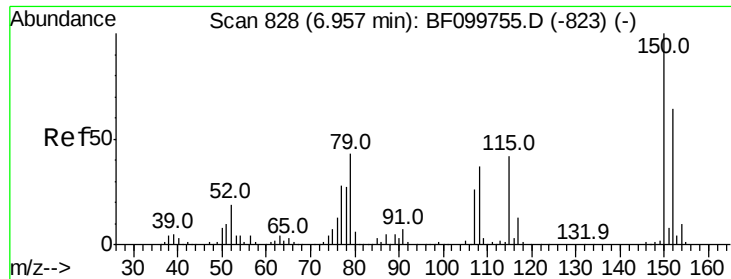
105 84.4 81.1 121.1

106 88.4 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

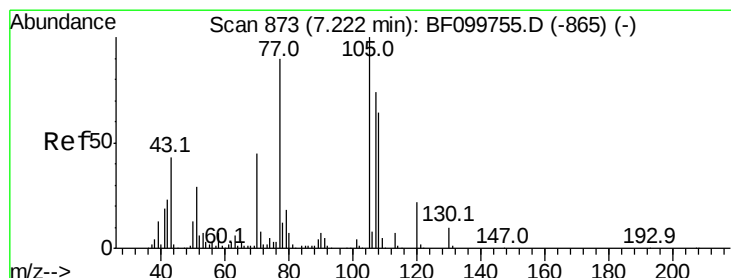
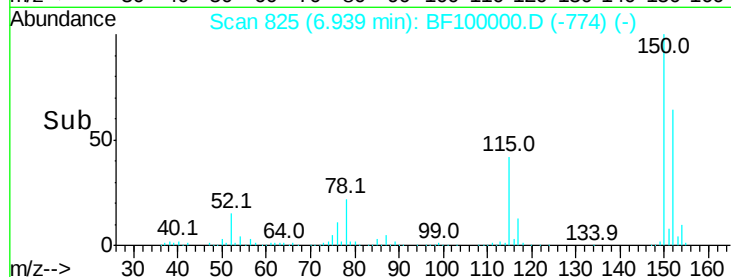
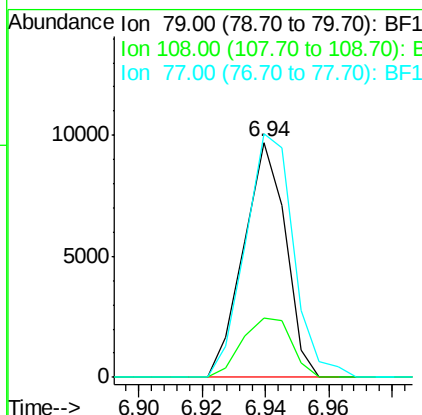
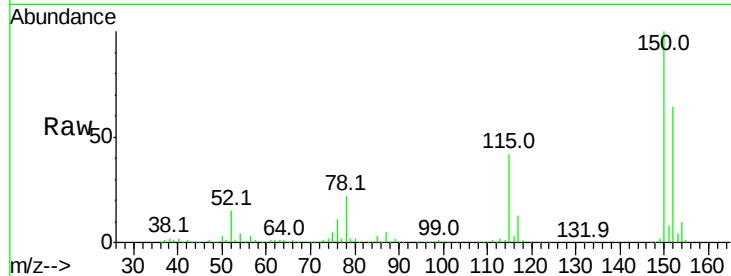




#15
Benzyl Alcohol
Concen: 2.004 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.00 min
Lab File: BF100000.D
Acq: 31 Oct 2017 14:07

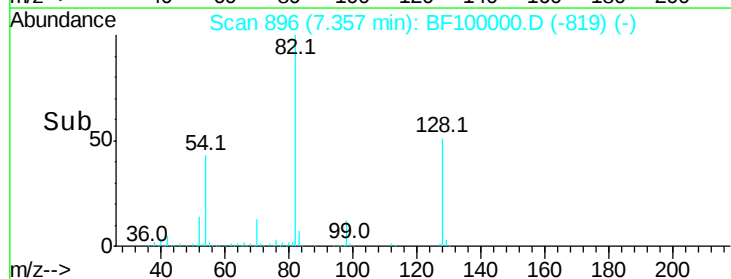
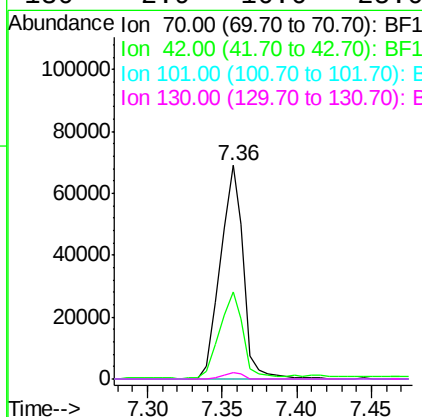
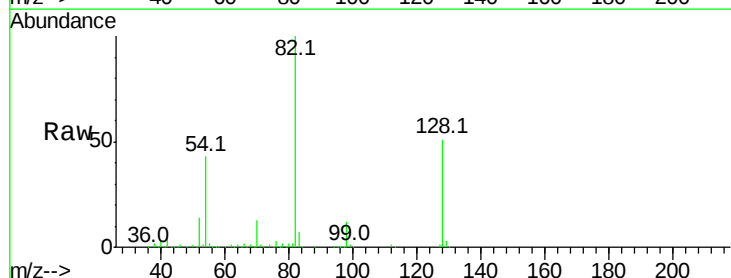
Instrument :
BNA_F
ClientSampled :

Tot Ion: 79 Resp: 8907
Ion Ratio Lower Upper
79 100
108 25.3 65.1 97.7#
77 103.5 50.6 75.8#



#19
n-Nitroso-di-n-propylamine
Concen: 18.347 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF100000.D
Acq: 31 Oct 2017 14:07

Tgt Ion: 70 Resp: 75126
Ion Ratio Lower Upper
70 100
42 40.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.9 16.6 25.0#

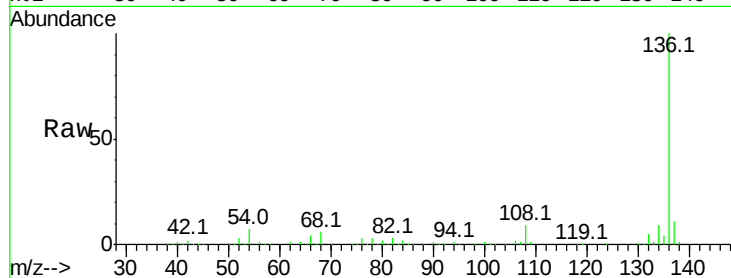




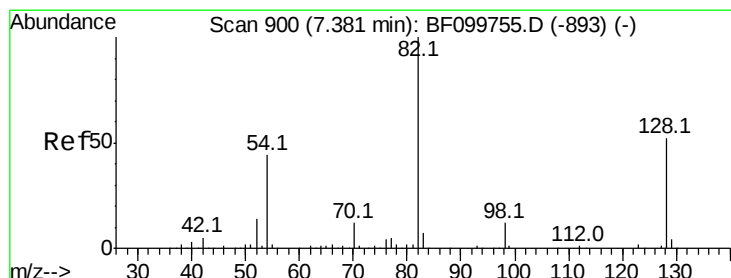
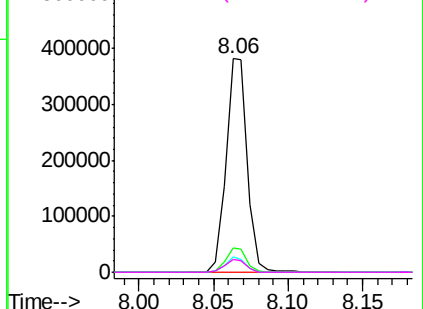
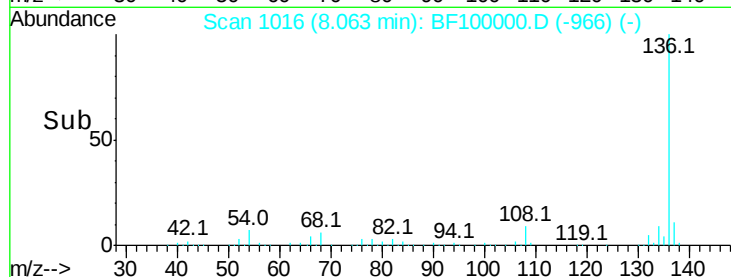
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF100000.D
Acq: 31 Oct 2017 14:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	383786
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	7.1	6.6	9.8
68	6.1	5.0	7.4

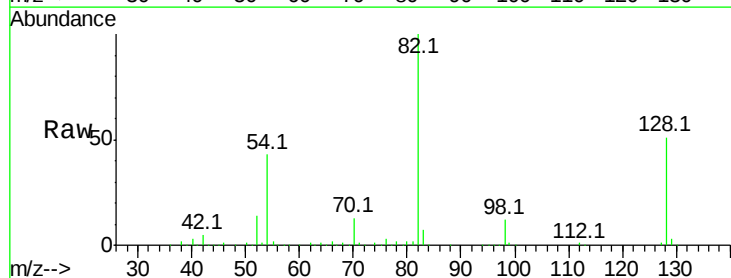


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

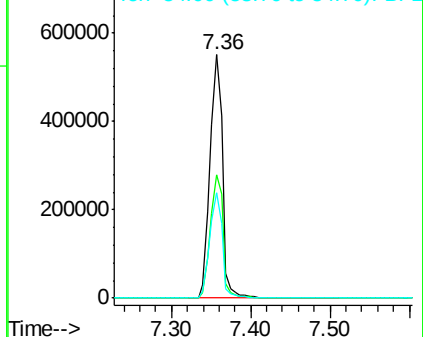
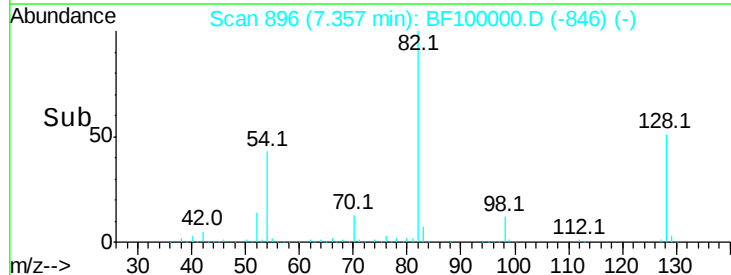


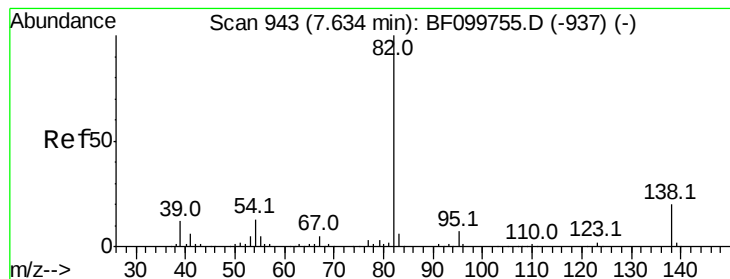
#23
Nitrobenzene-d5
Concen: 101.036 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF100000.D
Acq: 31 Oct 2017 14:07

Tgt Ion:	82	Resp:	602297
Ion	Ratio	Lower	Upper
82	100		
128	50.8	36.1	54.1
54	43.4	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 55.680 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF100000.D

Acq: 31 Oct 2017 14:07

Instrument :

BNA_F

ClientSampleId :

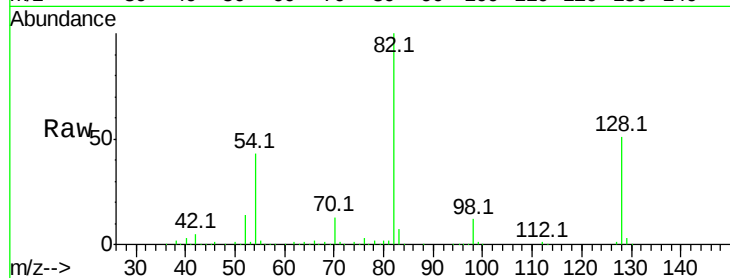
Tot Ion: 82 Resp: 602294

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

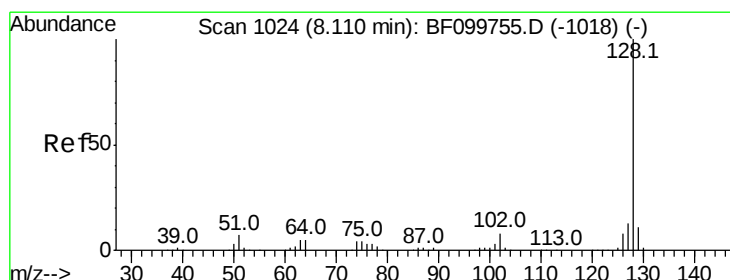
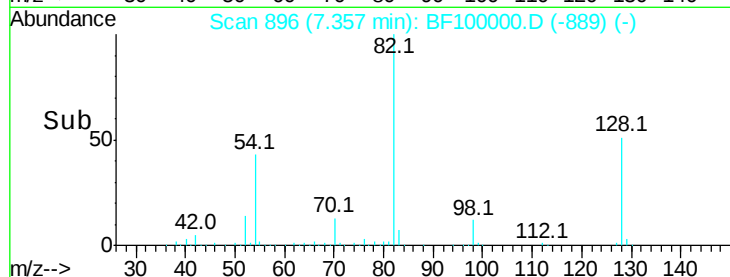
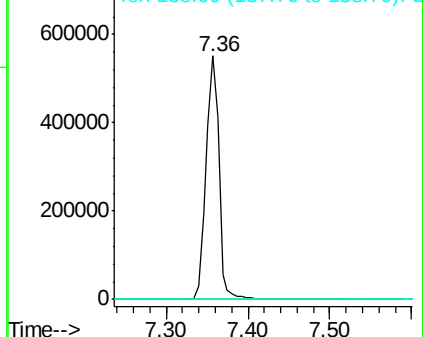
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 12.731 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF100000.D

Acq: 31 Oct 2017 14:07

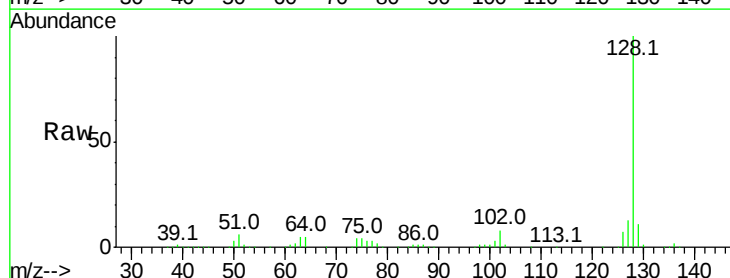
Tgt Ion:128 Resp: 235841

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

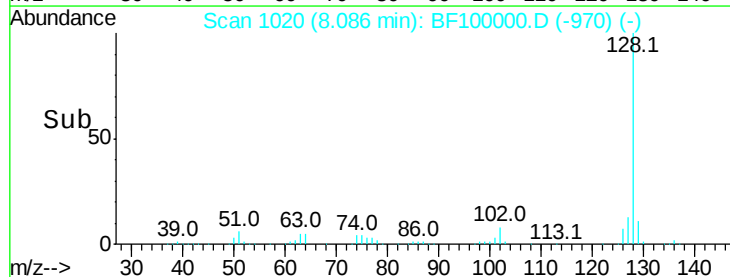
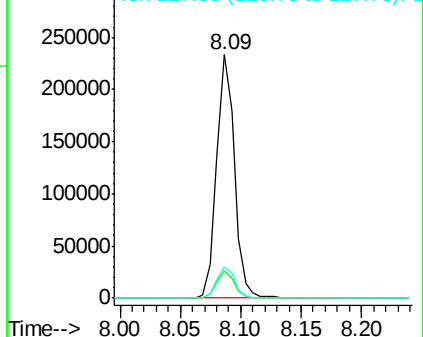
127 12.7 10.9 16.3

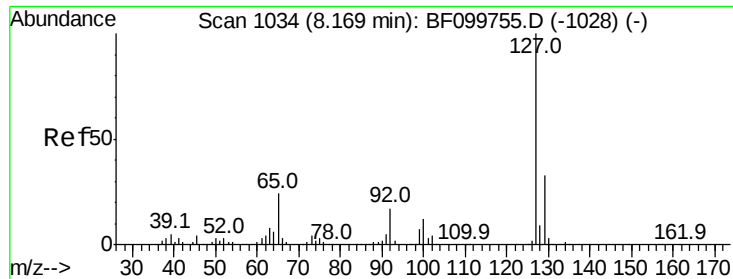


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

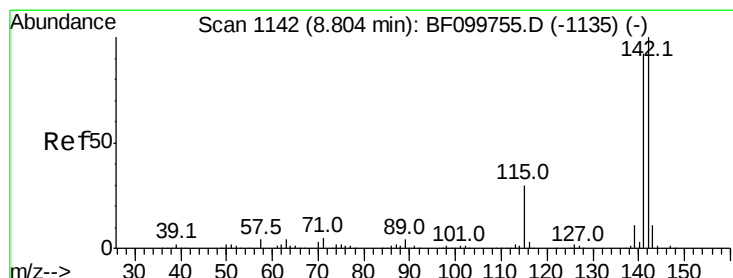
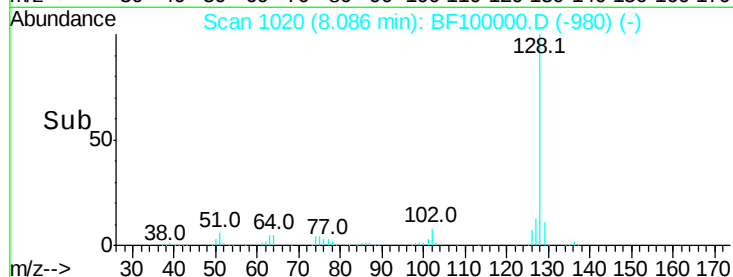
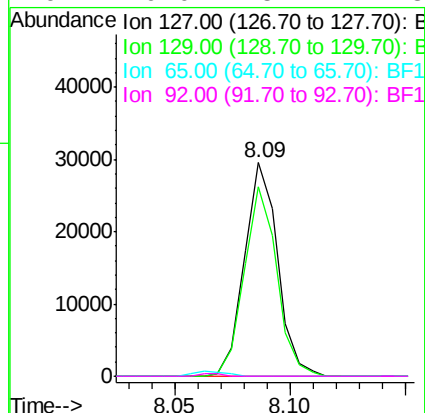
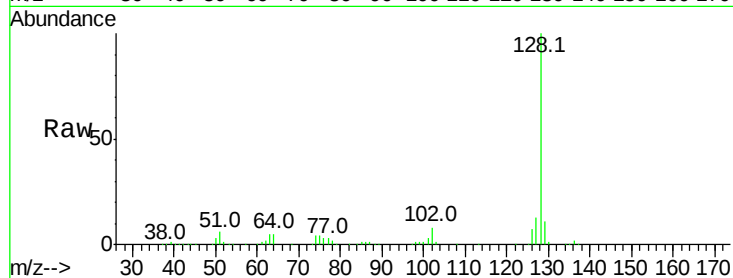




#33
 4-Chloroaniline
 Concen: 3.876 ng
 RT: 8.09 min Scan# 1020
 Delta R.T. -0.06 min
 Lab File: BF100000.D
 Acq: 31 Oct 2017 14:07

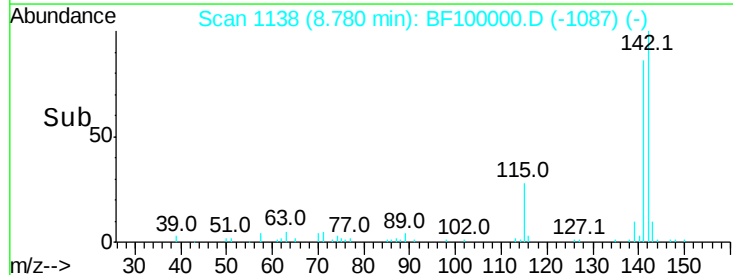
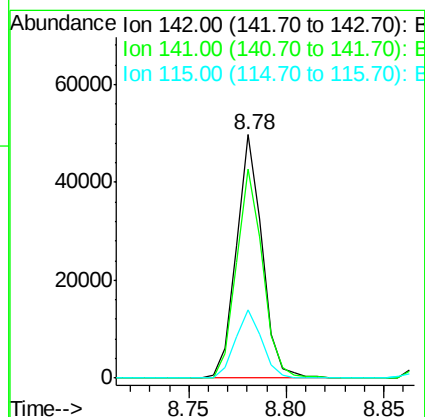
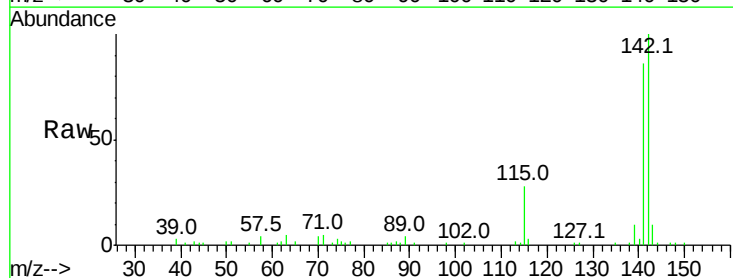
Instrument :
 BNA_F
 ClientSampleId :

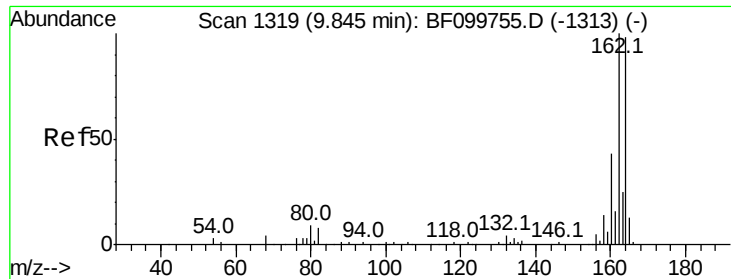
Tot Ion:	127	Resp:	29650
Ion	Ratio	Lower	Upper
127	100		
129	89.0	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
 2-Methylnaphthalene
 Concen: 3.672 ng
 RT: 8.78 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: BF100000.D
 Acq: 31 Oct 2017 14:07

Tgt Ion:	142	Resp:	45588
Ion	Ratio	Lower	Upper
142	100		
141	85.8	70.8	106.2
115	28.2	26.1	39.1

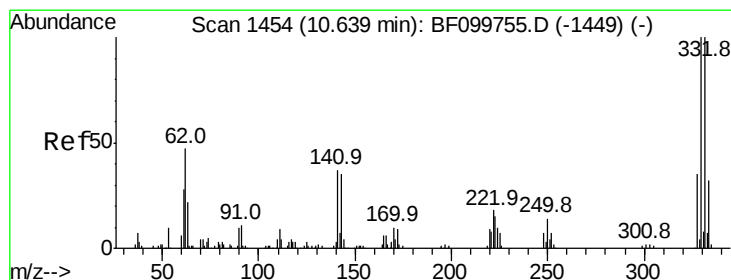
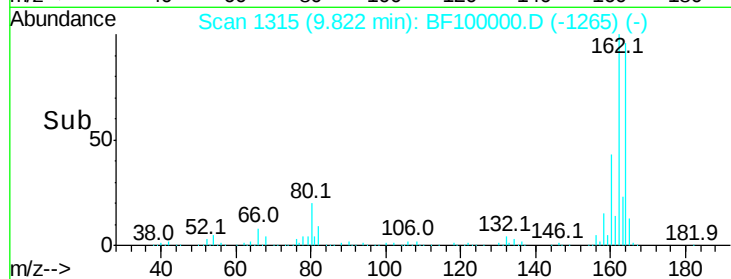
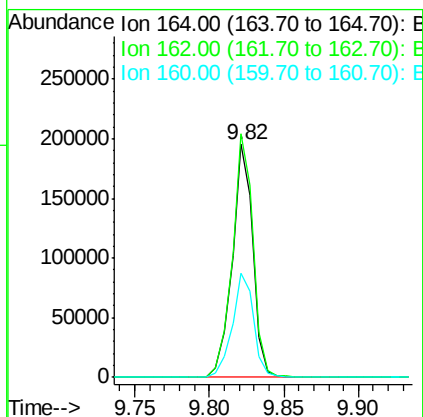
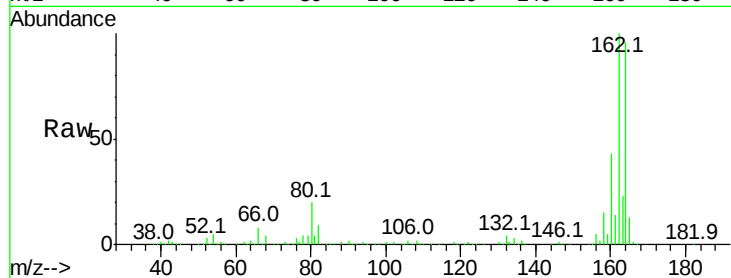




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF100000.D
 Acq: 31 Oct 2017 14:07

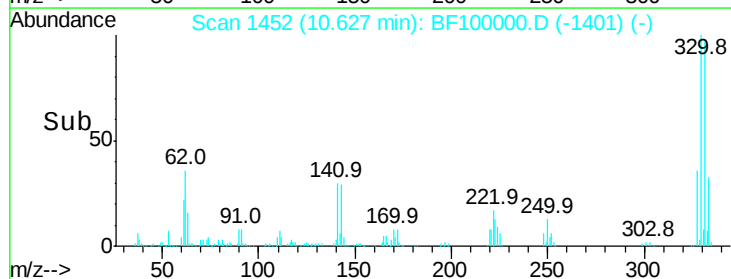
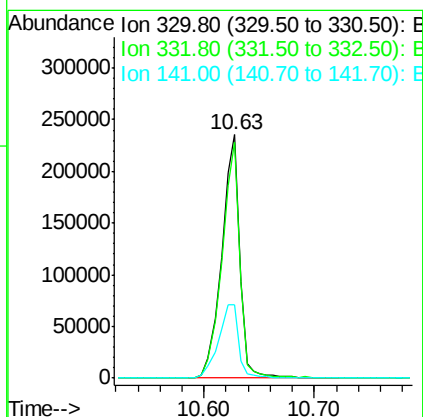
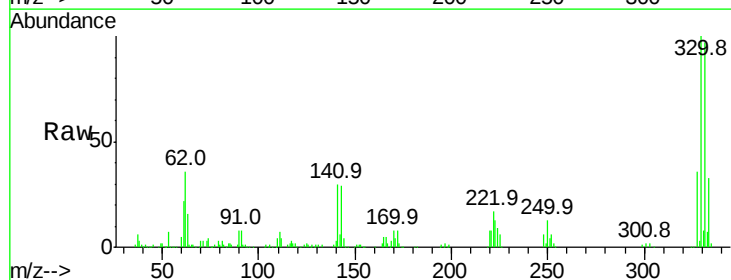
Instrument :
 BNA_F
 ClientSampleId :

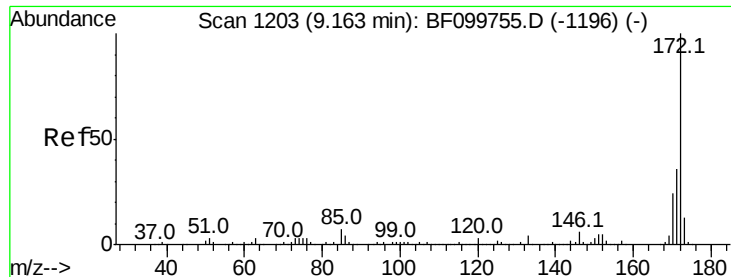
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	44.7	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 155.454 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: BF100000.D
 Acq: 31 Oct 2017 14:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	33.9	29.9	44.9



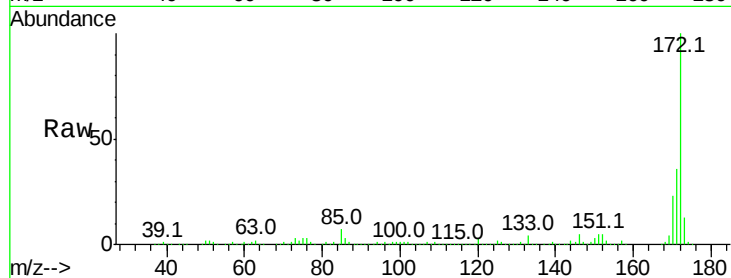


#44
 2-Fluorobiphenyl
 Concen: 102.183 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF100000.D
 Acq: 31 Oct 2017 14:07

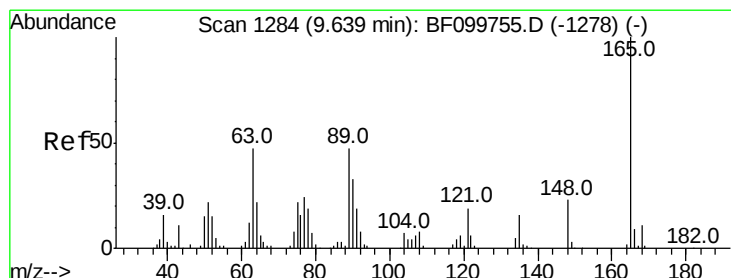
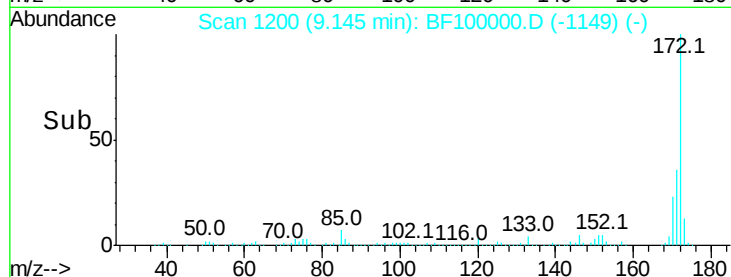
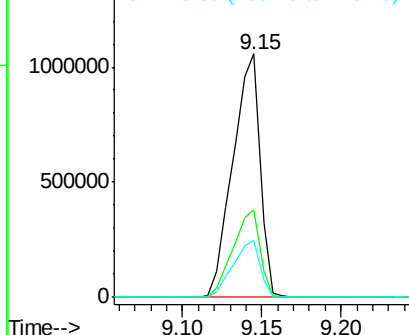
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1258976

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.4	19.6	29.4



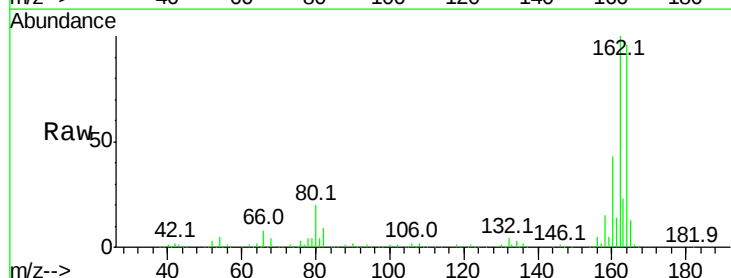
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



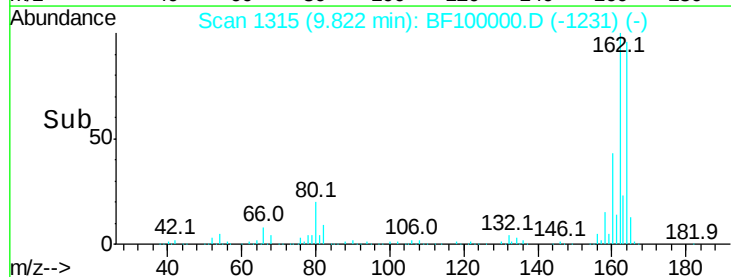
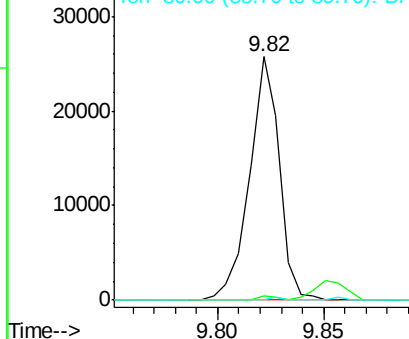
#50
 2,6-Dinitrotoluene
 Concen: 7.978 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF100000.D
 Acq: 31 Oct 2017 14:07

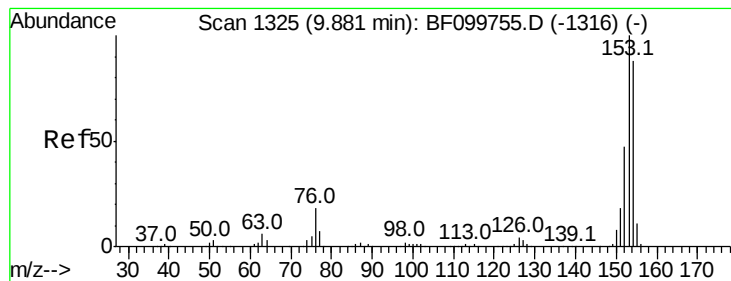
Tgt Ion:165 Resp: 25246

Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 2.385 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF100000.D

Acq: 31 Oct 2017 14:07

Instrument :

BNA_F

ClientSampleId :

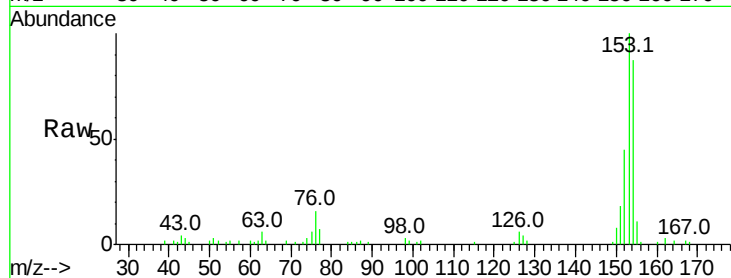
Tot Ion:154 Resp: 28027

Ion Ratio Lower Upper

154 100

153 115.4 91.2 136.8

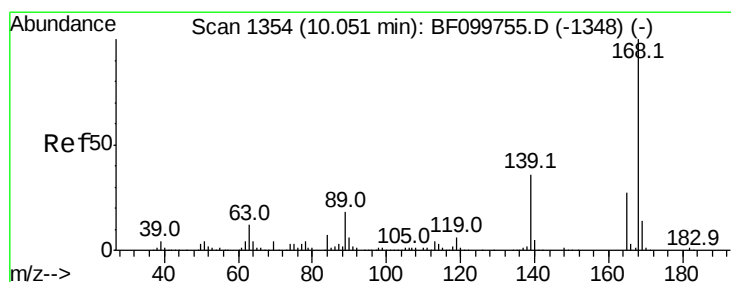
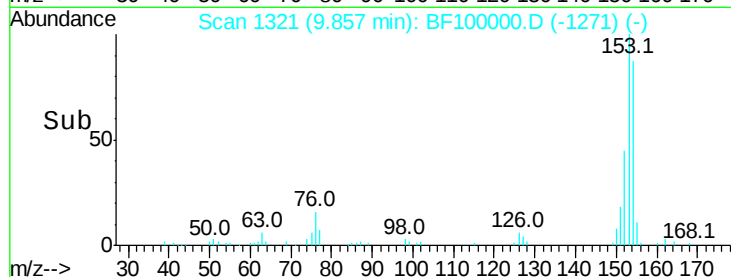
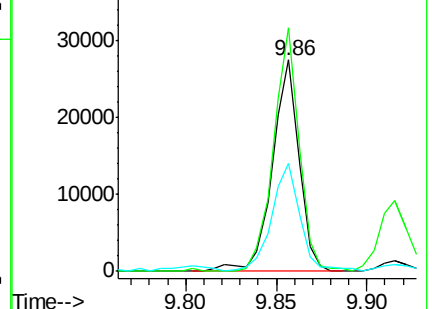
152 51.4 43.8 65.8



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



#54

Dibenzofuran

Concen: 2.175 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.00 min

Lab File: BF100000.D

Acq: 31 Oct 2017 14:07

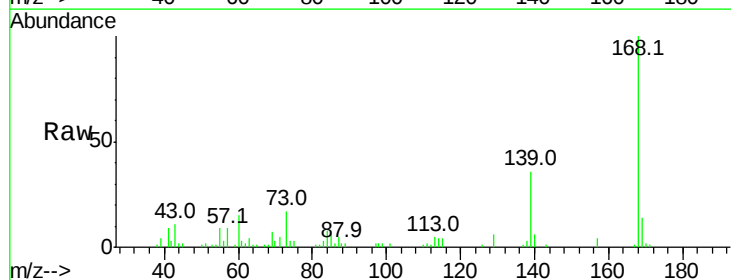
Tgt Ion:168 Resp: 36087

Ion Ratio Lower Upper

168 100

139 35.6 30.1 45.1

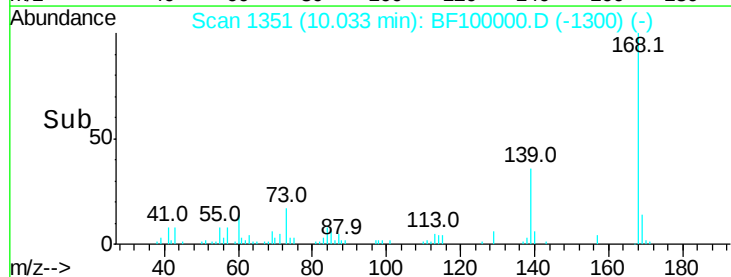
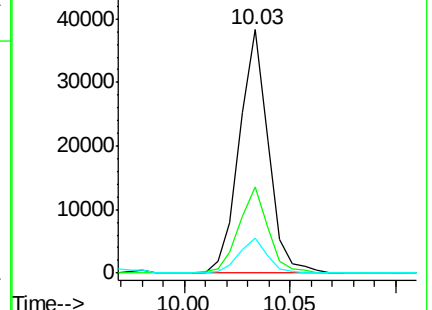
169 14.3 10.9 16.3

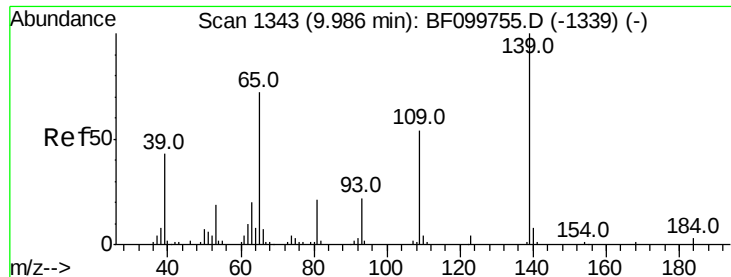


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 6.680 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.05 min

Lab File: BF100000.D

Acq: 31 Oct 2017 14:07

Instrument :

BNA_F

ClientSampleId :

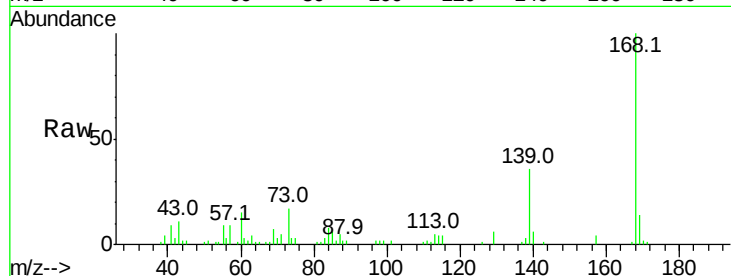
Tot Ion:139 Resp: 13014

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

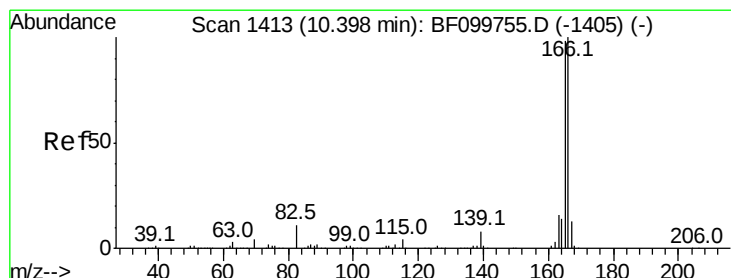
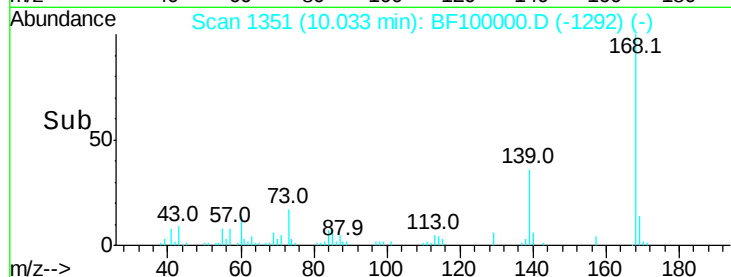
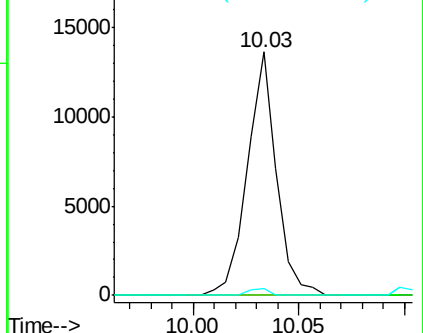
65 2.6 72.6 112.6#



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): BF1



#57

Fluorene

Concen: 2.184 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BF100000.D

Acq: 31 Oct 2017 14:07

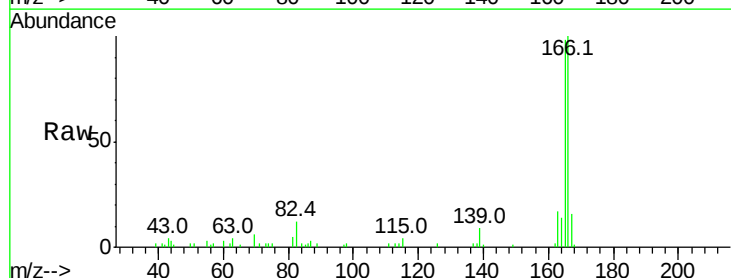
Tgt Ion:166 Resp: 29998

Ion Ratio Lower Upper

166 100

165 97.8 79.8 119.8

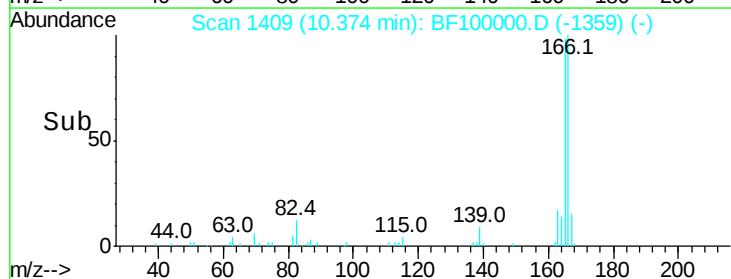
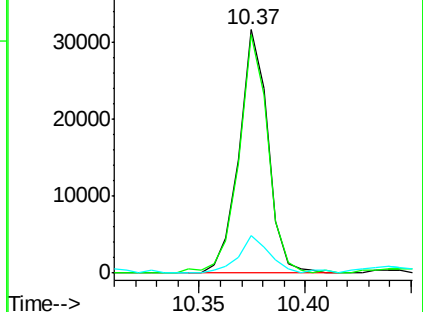
167 15.5 10.6 16.0

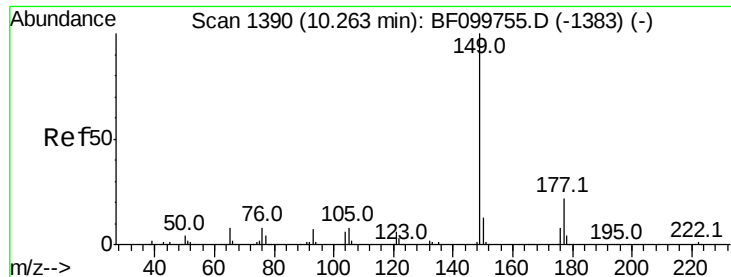


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

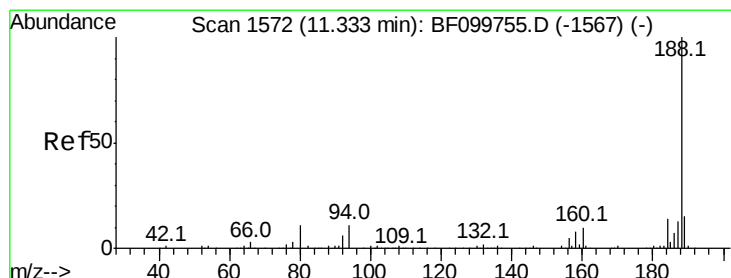
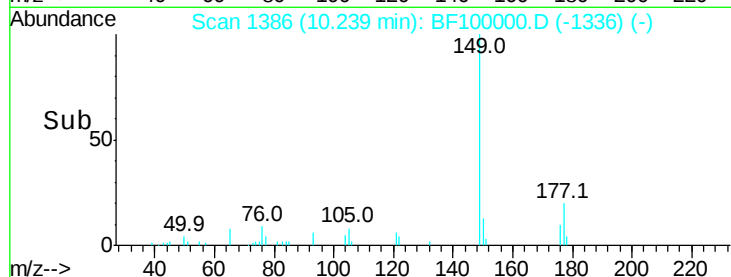
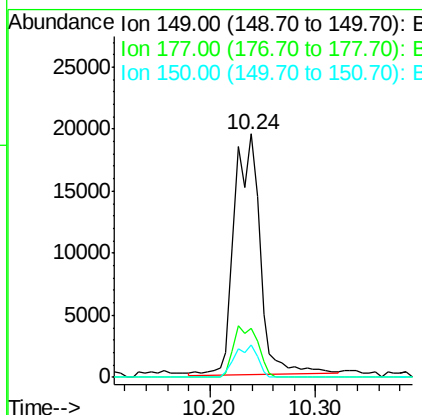
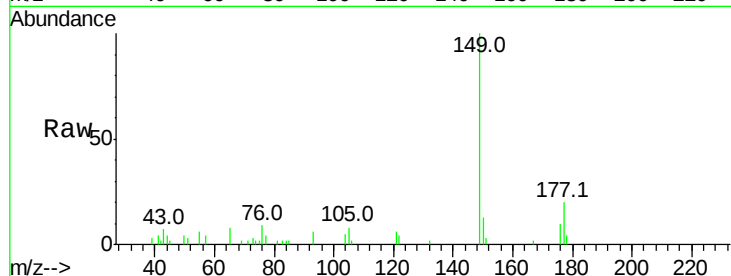




#59
Diethylphthalate
Concen: 2.240 ng
RT: 10.24 min Scan# 1386
Delta R.T. -0.01 min
Lab File: BF100000.D
Acq: 31 Oct 2017 14:07

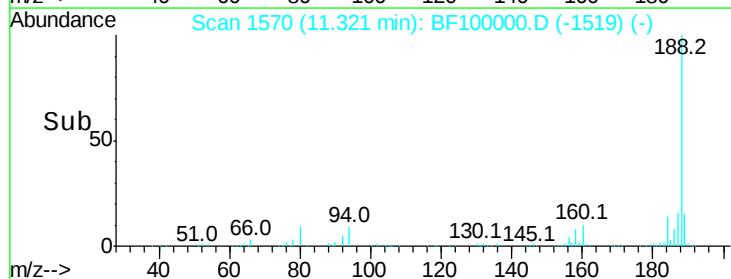
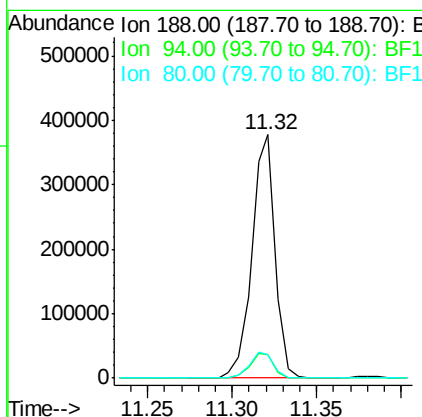
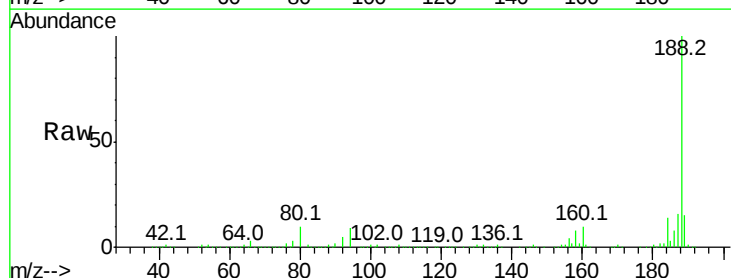
Instrument :
BNA_F
ClientSampleId :

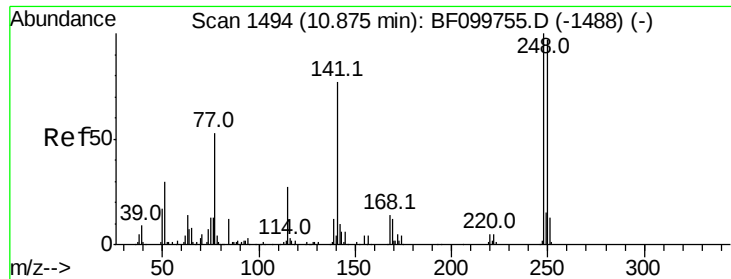
Tot Ion:149 Resp: 32936
Ion Ratio Lower Upper
149 100
177 20.2 16.1 24.1
150 13.2 10.1 15.1



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF100000.D
Acq: 31 Oct 2017 14:07

Tgt Ion:188 Resp: 362723
Ion Ratio Lower Upper
188 100
94 9.4 8.5 12.7
80 9.6 9.2 13.8

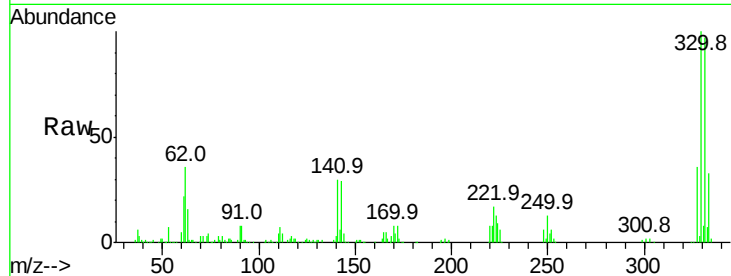




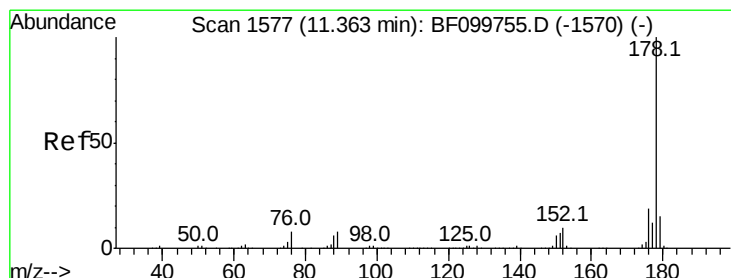
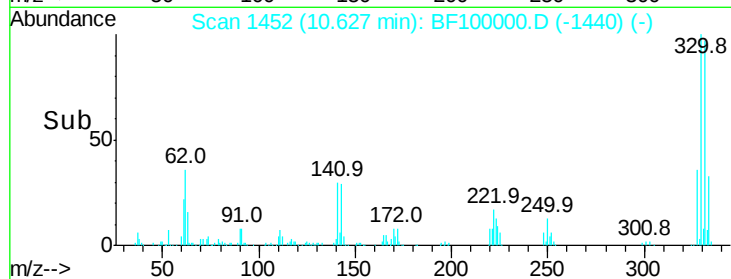
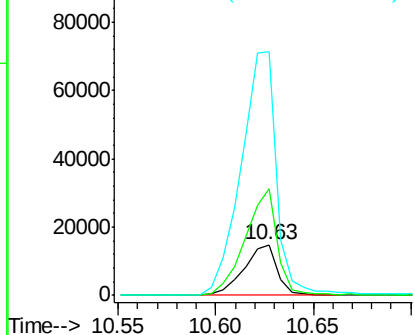
#66
 4-Bromophenyl-phenylether
 Concen: 4.625 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.23 min
 Lab File: BF100000.D
 Acq: 31 Oct 2017 14:07

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	209.9	76.9	115.3#
141	481.7	74.4	111.6#

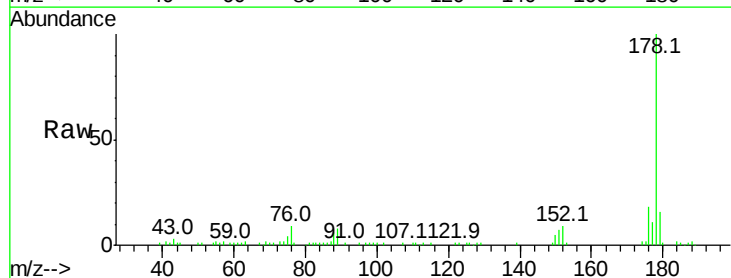


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

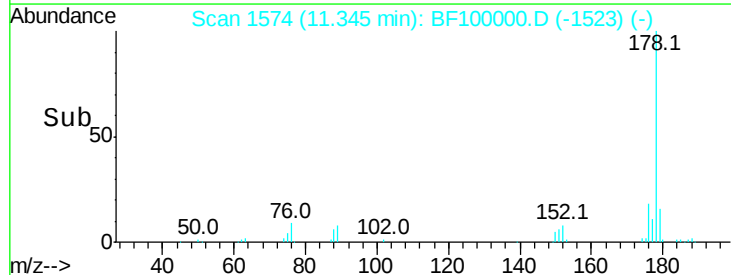
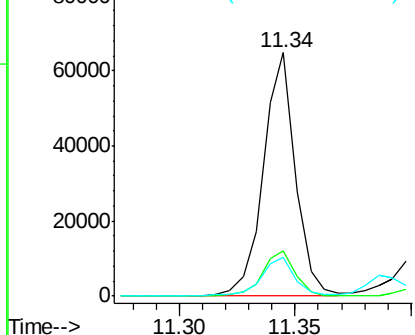


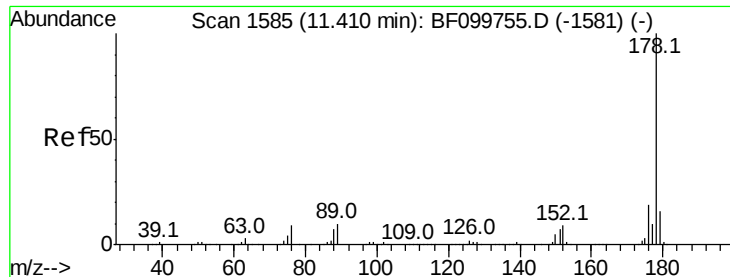
#70
 Phenanthrene
 Concen: 3.058 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: BF100000.D
 Acq: 31 Oct 2017 14:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.9	13.0	19.6



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





#71

Anthracene

Concen: 3.013 ng

RT: 11.34 min Scan# 1574

Delta R.T. -0.05 min

Lab File: BF100000.D

Acq: 31 Oct 2017 14:07

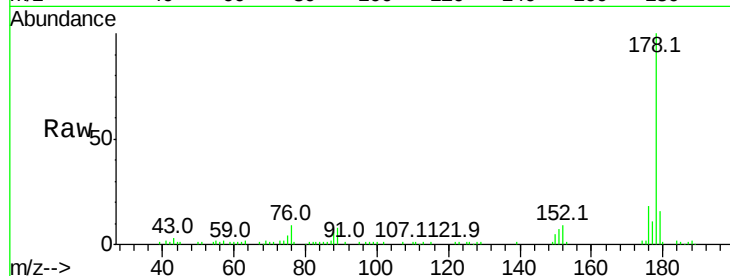
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 62606

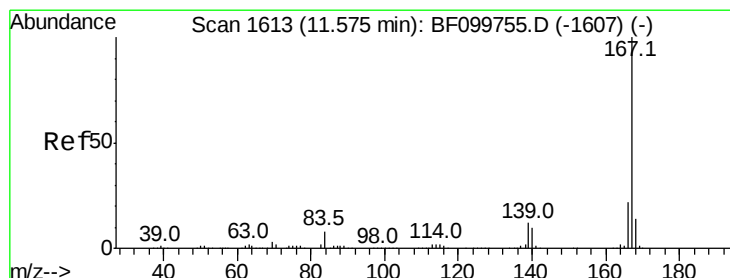
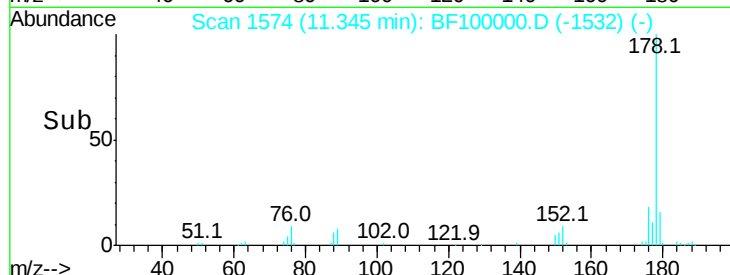
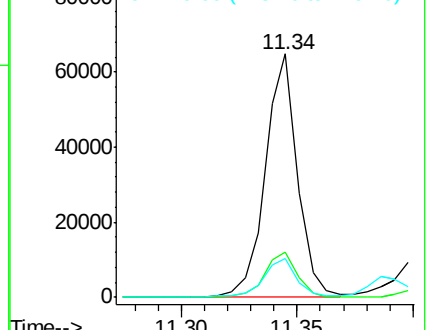
Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.9	12.6	19.0



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



#72

Carbazole

Concen: 2.954 ng

RT: 11.56 min Scan# 1611

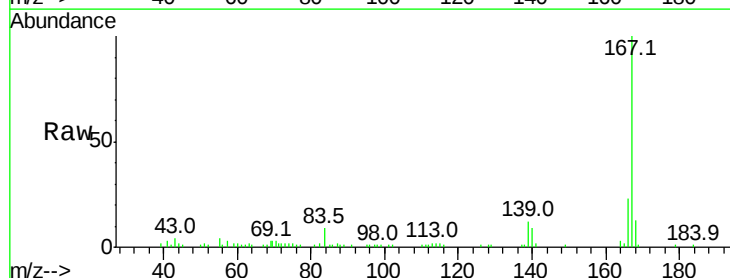
Delta R.T. -0.00 min

Lab File: BF100000.D

Acq: 31 Oct 2017 14:07

Tgt Ion:167 Resp: 57714

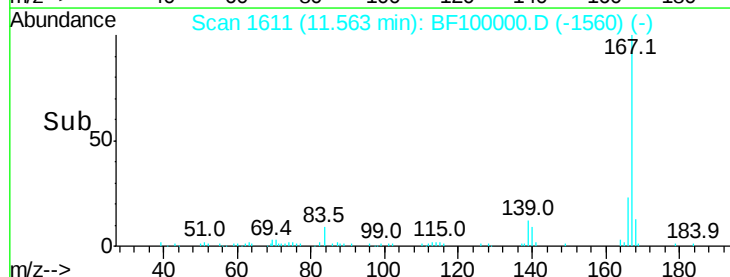
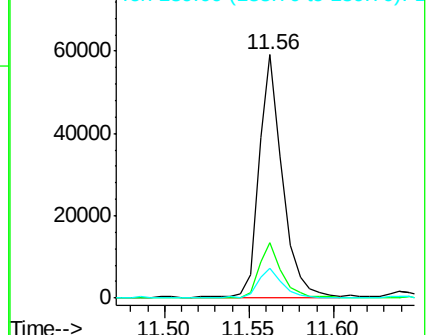
Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.6	26.4
139	12.1	10.9	16.3

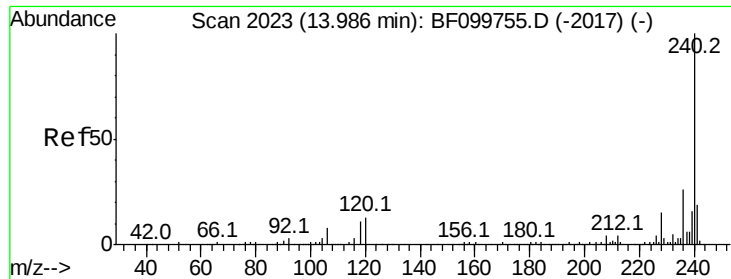


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF100000.D

Acq: 31 Oct 2017 14:07

Instrument :

BNA_F

ClientSampleId :

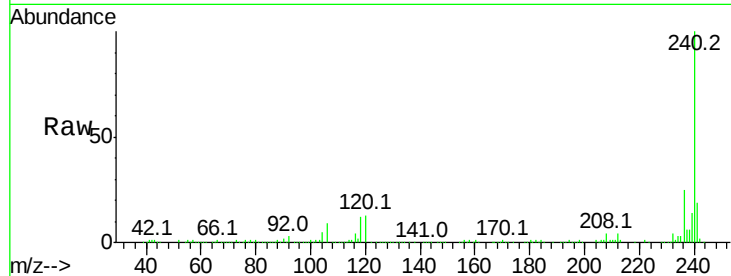
Tot Ion:240 Resp: 291474

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

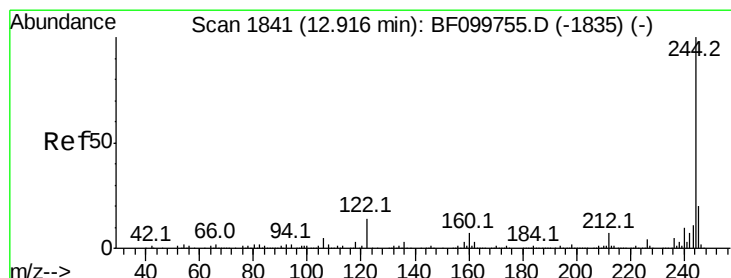
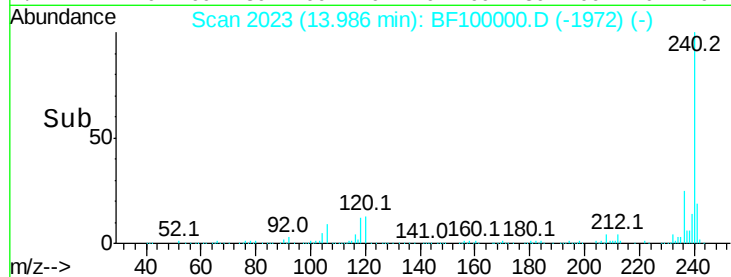
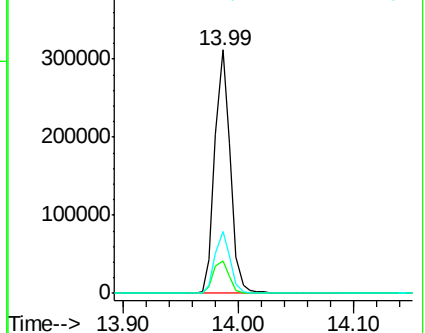
236 25.3 20.7 31.1



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



#78

Terphenyl-d14

Concen: 88.029 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BF100000.D

Acq: 31 Oct 2017 14:07

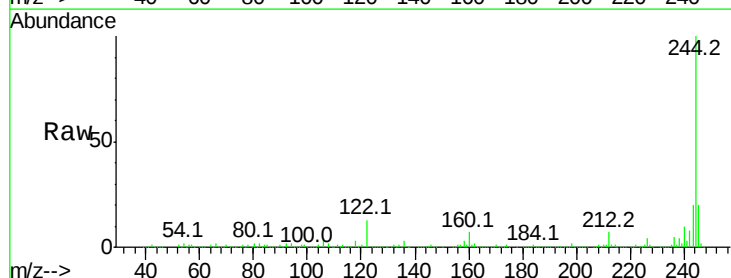
Tgt Ion:244 Resp: 1174083

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

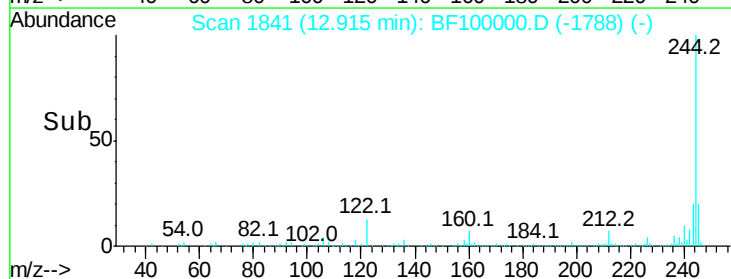
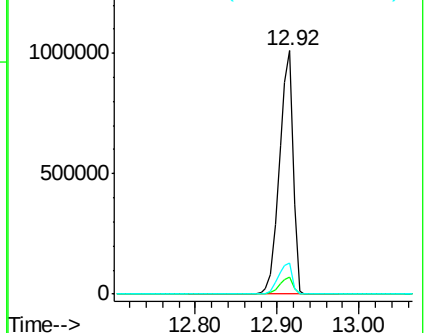
122 12.9 11.0 16.4

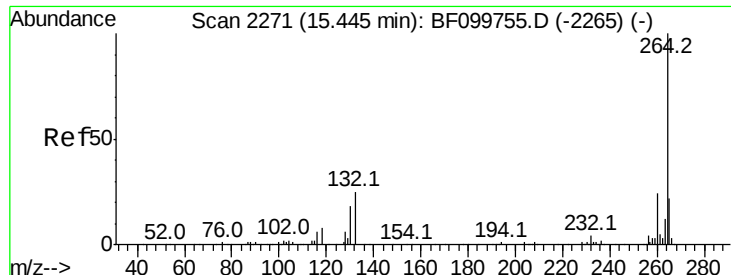


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

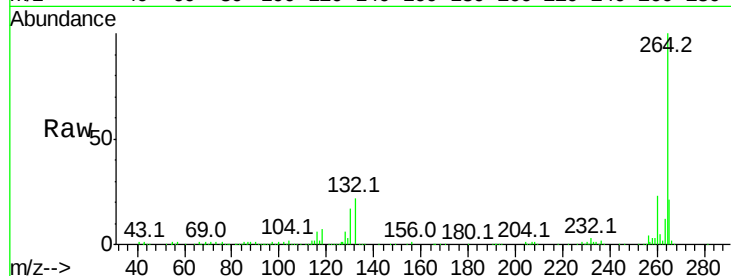




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.02 min
 Lab File: BF100000.D
 Acq: 31 Oct 2017 14:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.1	17.5	26.3



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

