

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
 Data File : BF100899.D
 Acq On : 27 Nov 2017 18:28
 Operator : SJ/JU
 Sample : I6548-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 21:59:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 14:11:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	72685	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	283628	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	127451	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	210211	20.00	ng	0.00
75) Chrysene-d12	14.02	240	155891	20.00	ng	0.00
86) Perylene-d12	15.49	264	148610	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	350056	77.20	ng	0.00
7) Phenol-d6	6.49	99	432076	77.27	ng	0.00
23) Nitrobenzene-d5	7.42	82	258825	60.33	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	113324	87.26	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	566339	67.66	ng	0.00
78) Terphenyl-d14	12.97	244	420108	61.92	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	14649	2.496	ng	99
19) n-Nitroso-di-n-propylamine	7.42	70	33991	8.766	ng	# 80
25) Isophorone	7.42	82	258823	28.710	ng	# 64
47) 2-Nitroaniline	9.60	65	143	2.841	ng	# 1
49) Dimethylphthalate	9.60	163	42289	4.346	ng	99
50) 2,6-Dinitrotoluene	9.90	165	15631	8.115	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	15631	6.433	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	7058	3.132	ng	# 1
70) Phenanthrene	11.40	178	39091	3.532	ng	98
74) Fluoranthene	12.59	202	57352	4.889	ng	98
77) Pyrene	12.82	202	57306	5.157	ng	99
80) Benzo(a)anthracene	14.04	228	30072	3.203	ng	97
82) Chrysene	14.04	228	30072	3.308	ng	98
87) Benzo(b)fluoranthene	15.06	252	39896	4.531	ng	# 95
88) Benzo(k)fluoranthene	15.06	252	39896	4.796	ng	98
89) Benzo(a)pyrene	15.43	252	19182	2.458	ng	# 90

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

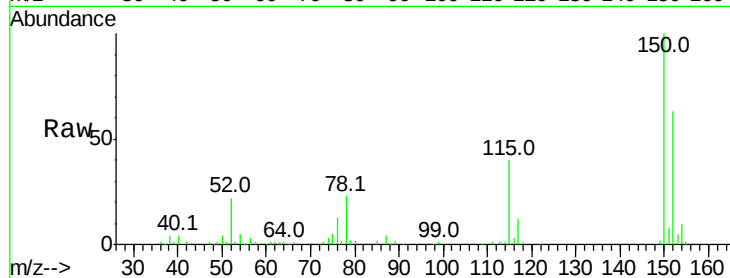


#1

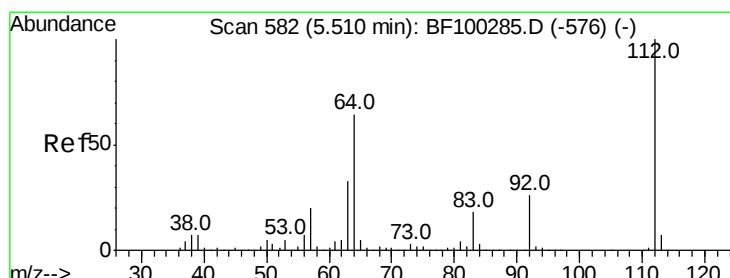
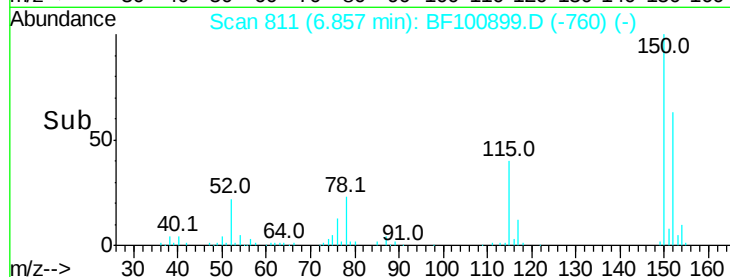
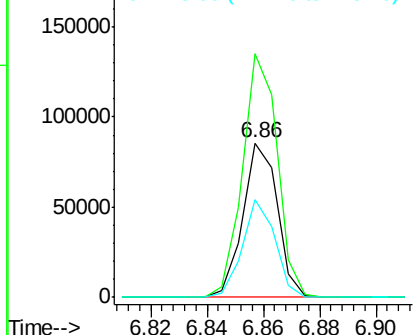
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF100899.D
Acq: 27 Nov 2017 18:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 72685
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 63.4 50.1 75.1



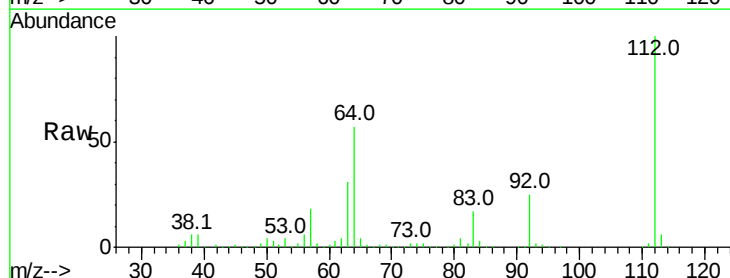
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



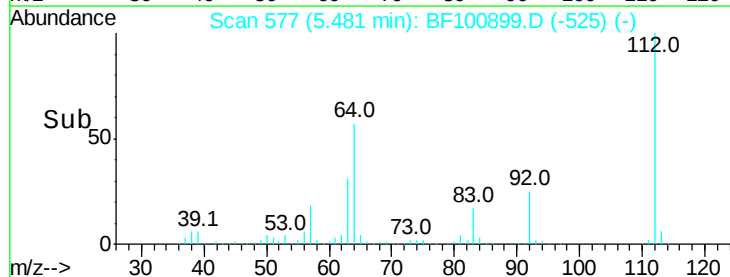
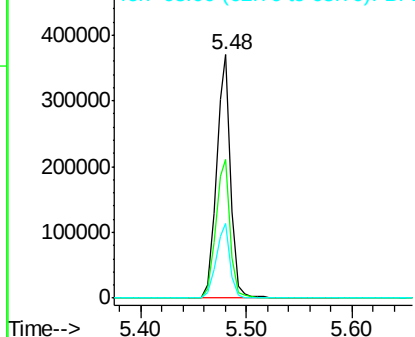
#5

2-Fluorophenol
Concen: 77.201 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF100899.D
Acq: 27 Nov 2017 18:28

Tgt Ion:112 Resp: 350056
Ion Ratio Lower Upper
112 100
64 57.1 47.9 71.9
63 30.6 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: 77.274 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF100899.D

Acq: 27 Nov 2017 18:28

Instrument :

BNA_F

ClientSampled :

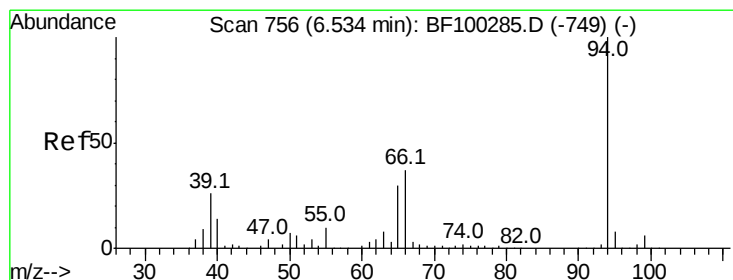
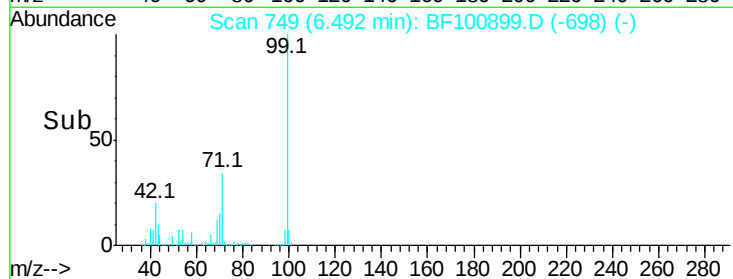
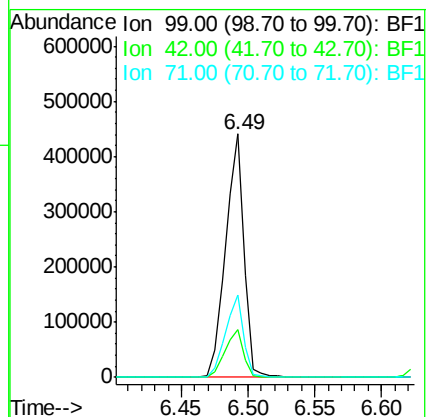
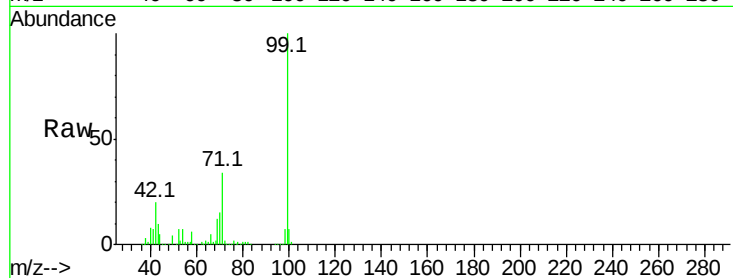
Tot Ion: 99 Resp: 432076

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

71 34.0 25.4 38.0



#10

Phenol

Concen: 2.496 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF100899.D

Acq: 27 Nov 2017 18:28

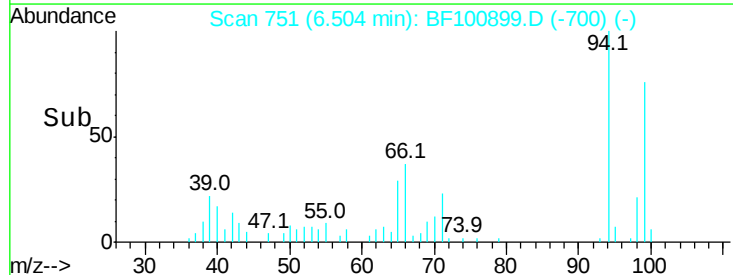
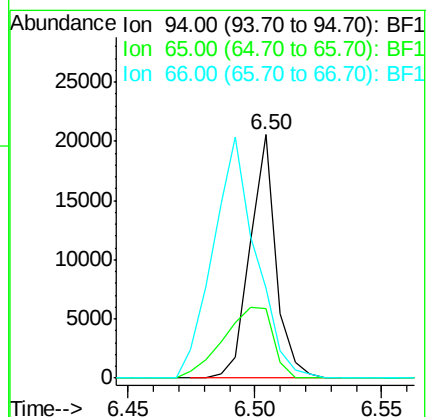
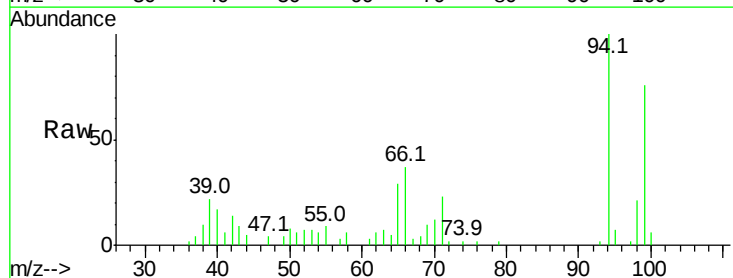
Tgt Ion: 94 Resp: 14649

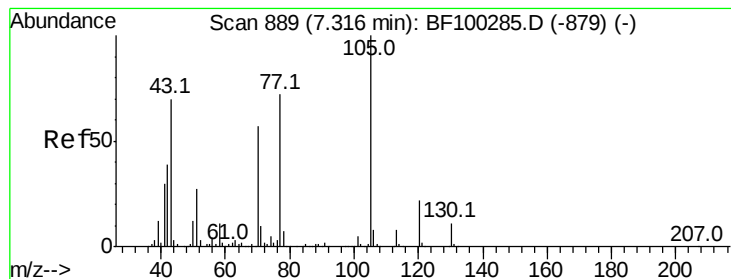
Ion Ratio Lower Upper

94 100

65 28.8 7.9 47.9

66 36.8 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 8.766 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF100899.D

Acq: 27 Nov 2017 18:28

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 33991

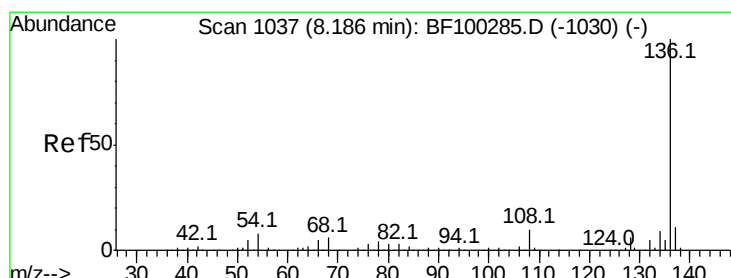
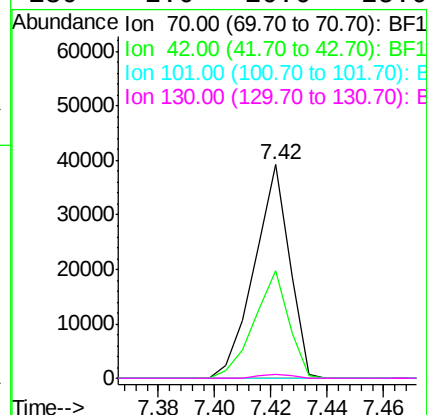
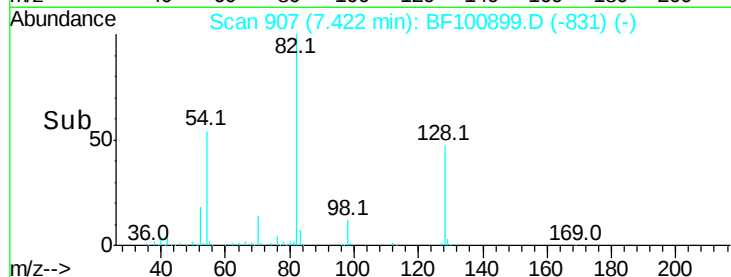
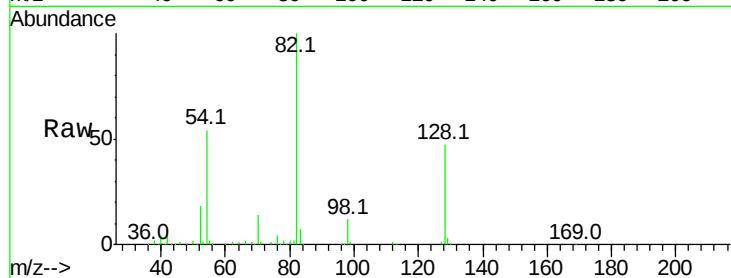
Ion Ratio Lower Upper

70 100

42 50.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF100899.D

Acq: 27 Nov 2017 18:28

Tgt Ion:136 Resp: 283628

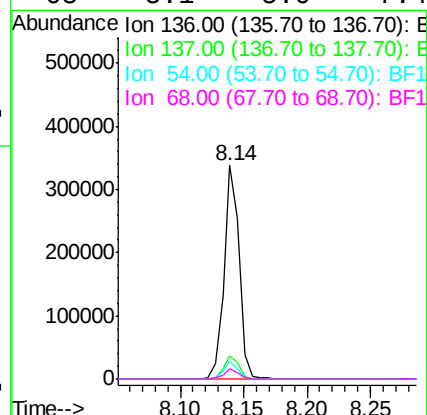
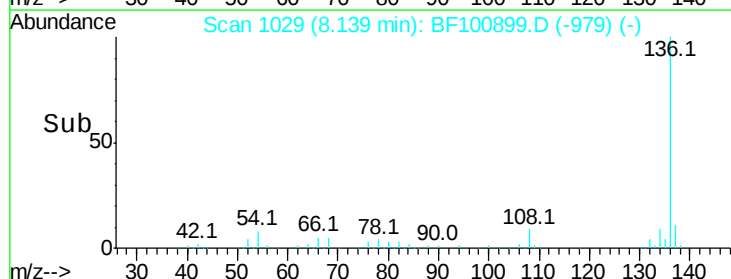
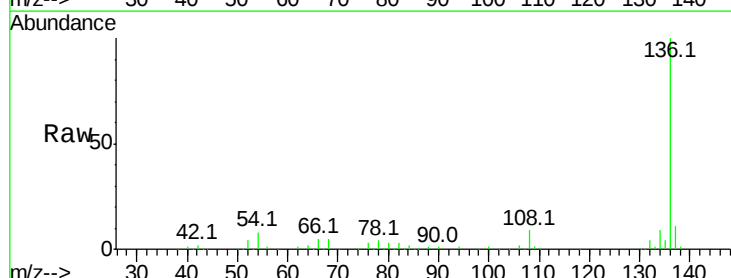
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.3 6.6 9.8

68 5.1 5.0 7.4

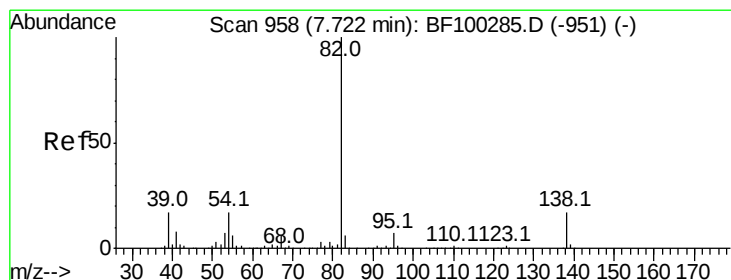
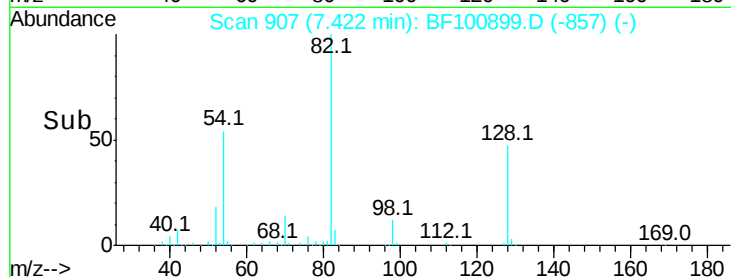
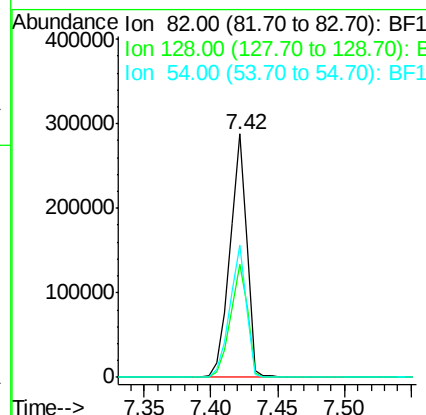
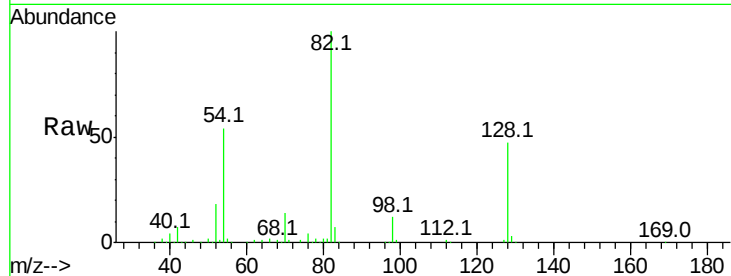




#23
 Nitrobenzene-d5
 Concen: 60.332 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF100899.D
 Acq: 27 Nov 2017 18:28

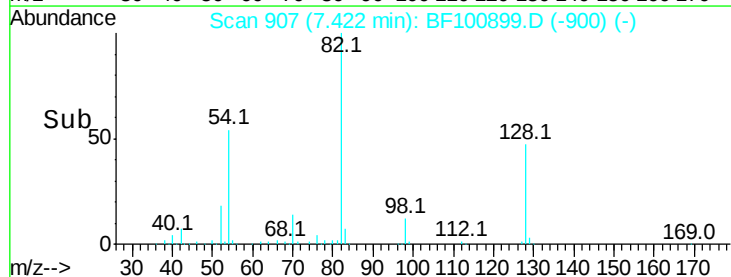
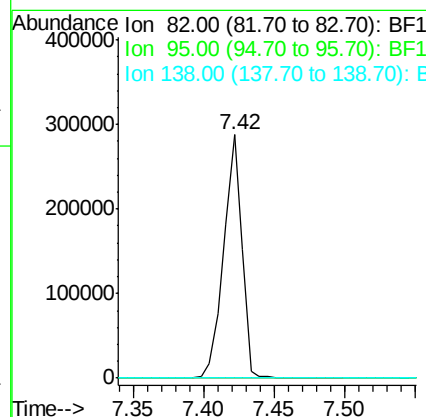
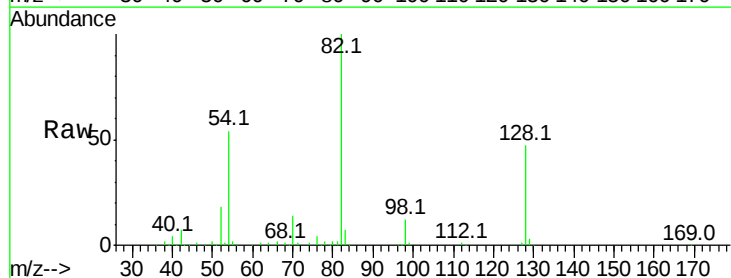
Instrument :
 BNA_F
 ClientSampleId :

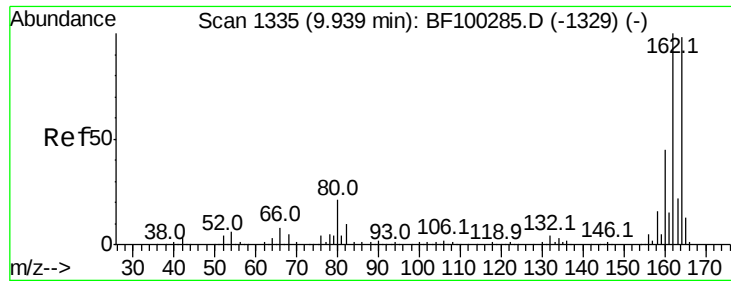
Tot Ion	82	Resp	258825
Ion Ratio	Lower	Upper	
82	100		
128	46.6	36.1	54.1
54	54.1	41.4	62.2



#25
 Isophorone
 Concen: 28.710 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.26 min
 Lab File: BF100899.D
 Acq: 27 Nov 2017 18:28

Tgt Ion	82	Resp	258823
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

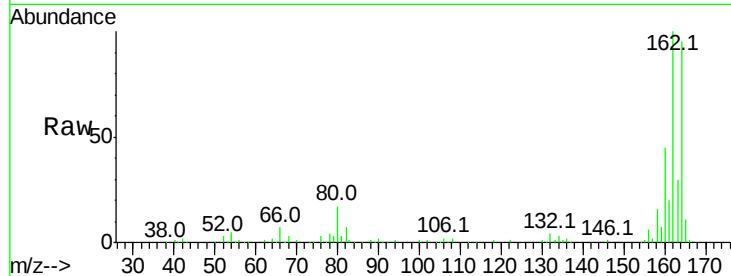




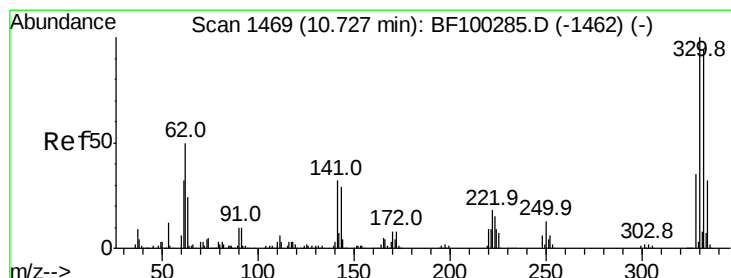
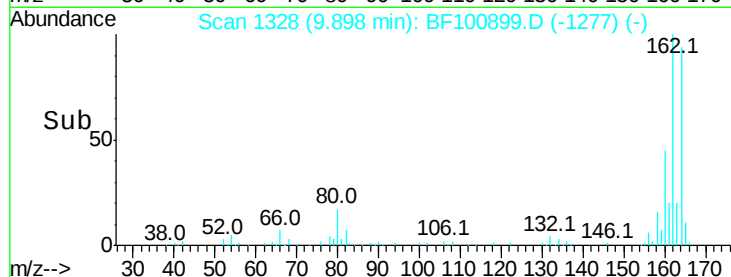
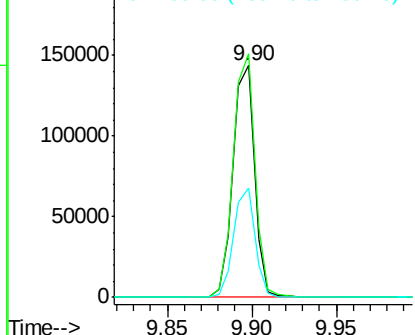
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: BF100899.D
 Acq: 27 Nov 2017 18:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 127451
 Ion Ratio Lower Upper
 164 100
 162 105.1 86.1 129.1
 160 47.4 38.3 57.5

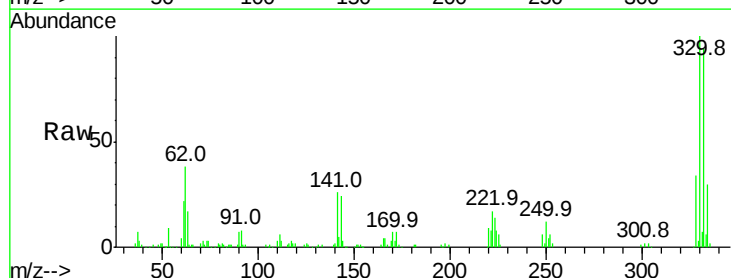


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

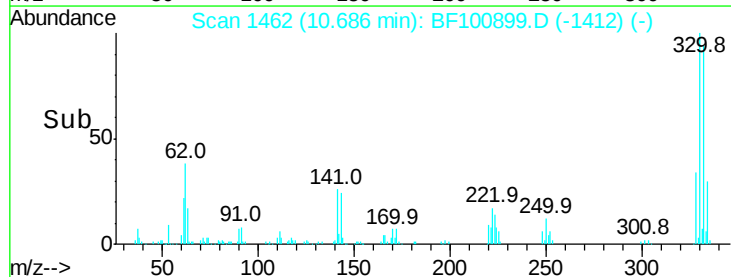
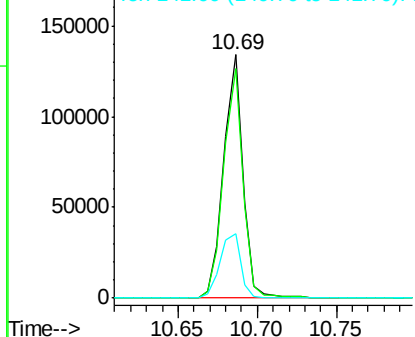


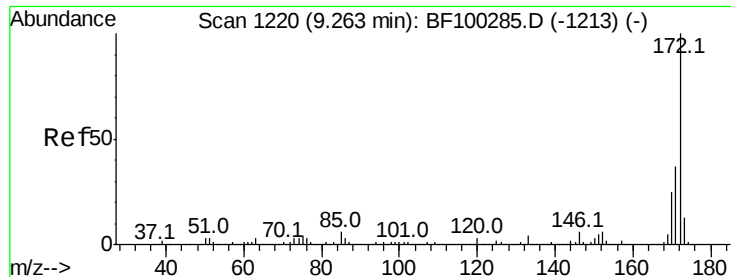
#41
 2,4,6-Tribromophenol
 Concen: 87.258 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF100899.D
 Acq: 27 Nov 2017 18:28

Tgt Ion:330 Resp: 113324
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 29.1 29.9 44.9#



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

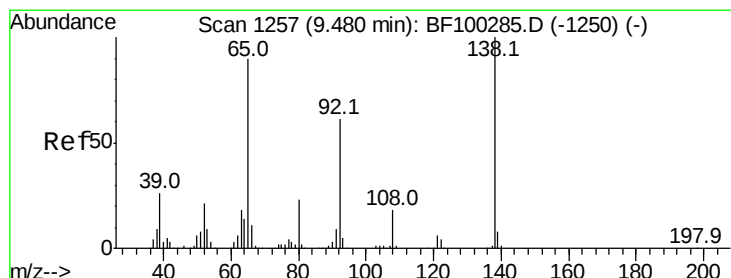
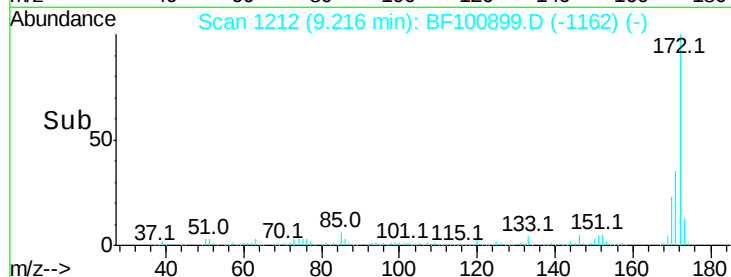
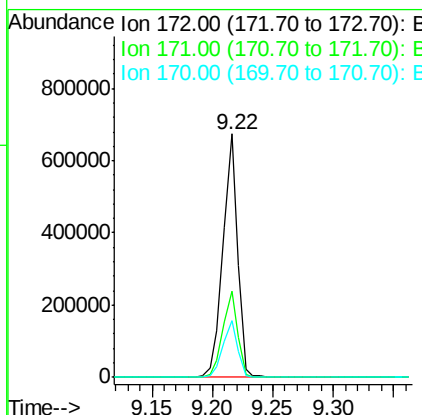
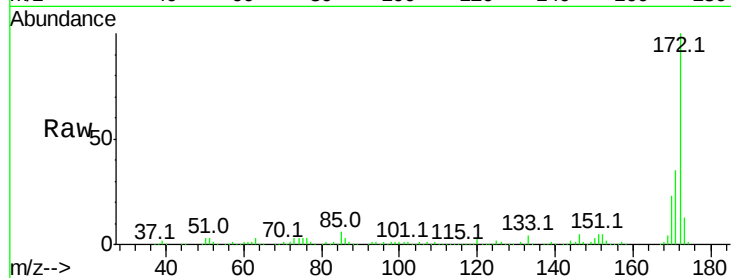




#44
 2-Fluorobiphenyl
 Concen: 67.663 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF100899.D
 Acq: 27 Nov 2017 18:28

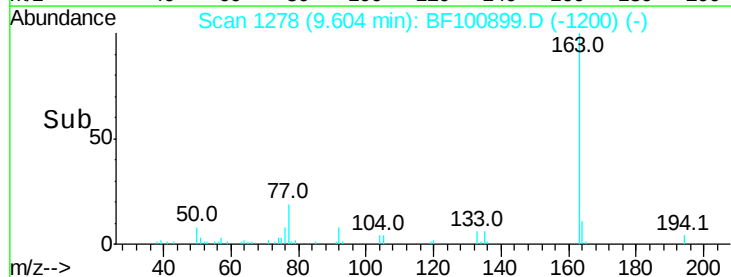
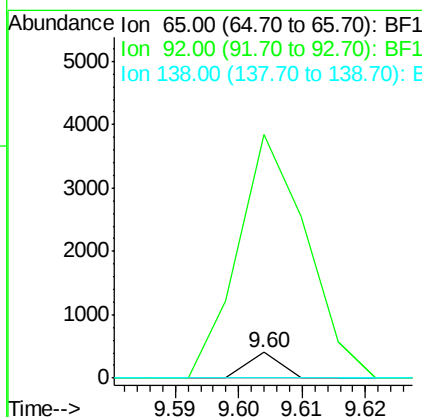
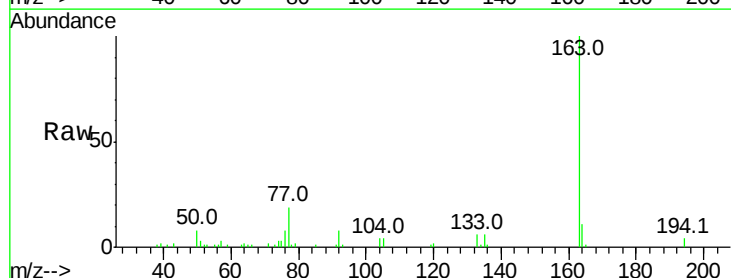
Instrument :
 BNA_F
 ClientSampled :

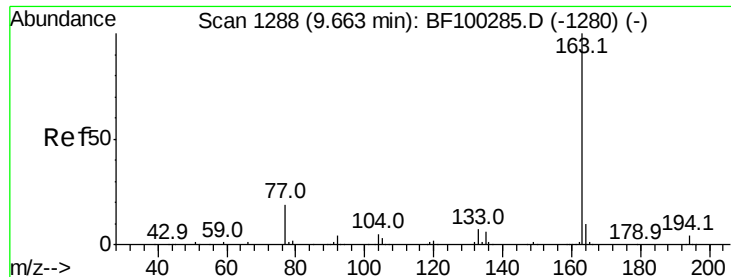
Tot Ion:172 Resp: 566339
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 23.1 19.6 29.4



#47
 2-Nitroaniline
 Concen: 2.841 ng
 RT: 9.60 min Scan# 1278
 Delta R.T. 0.16 min
 Lab File: BF100899.D
 Acq: 27 Nov 2017 18:28

Tgt Ion: 65 Resp: 143
 Ion Ratio Lower Upper
 65 100
 92 951.2 55.8 83.6#
 138 0.0 91.2 136.8#

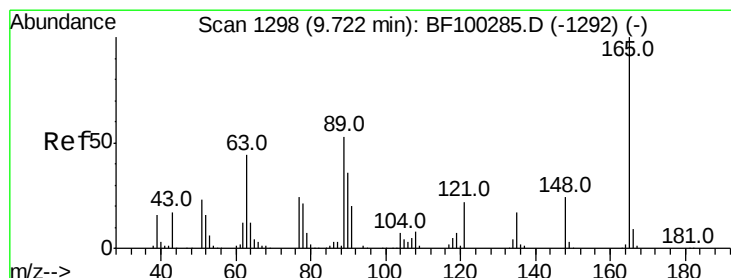
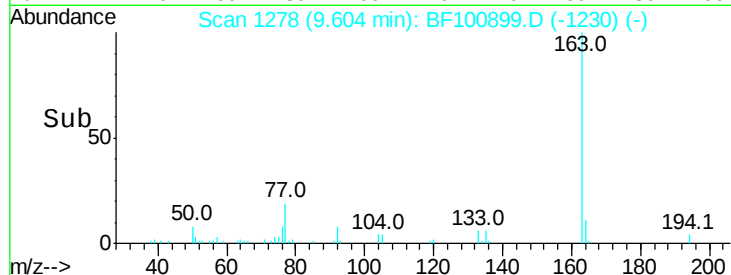
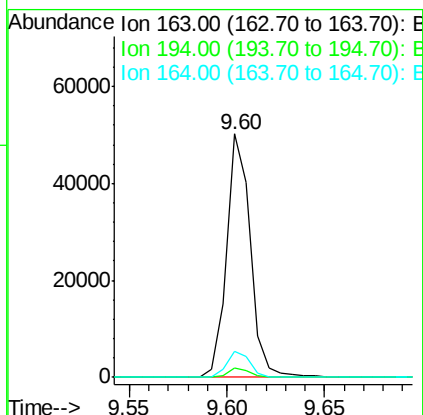
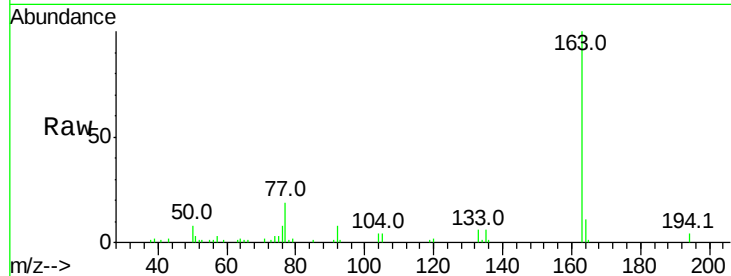




#49
Dimethylphthalate
Concen: 4.346 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100899.D
Acq: 27 Nov 2017 18:28

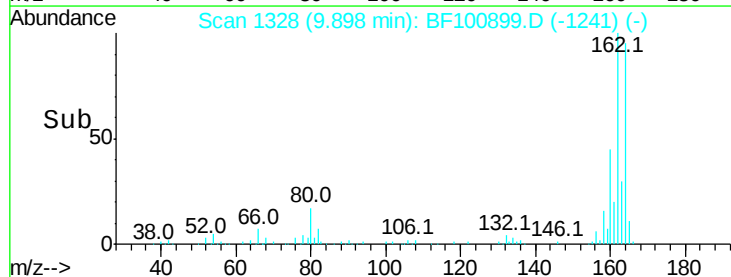
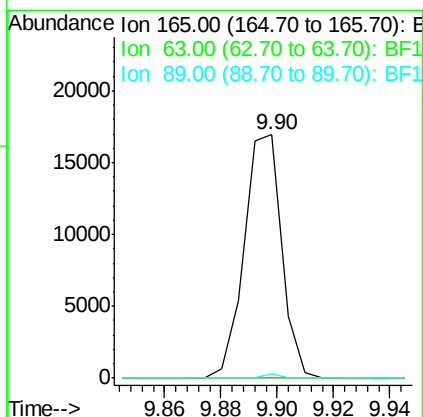
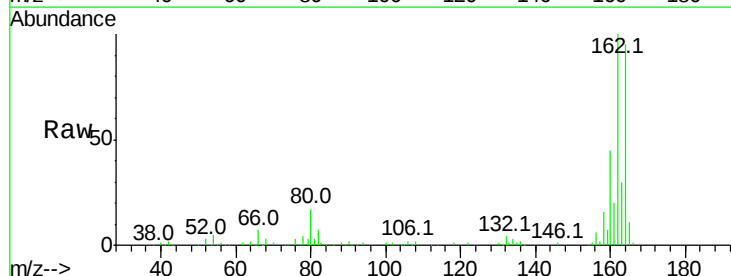
Instrument :
BNA_F
ClientSampleId :

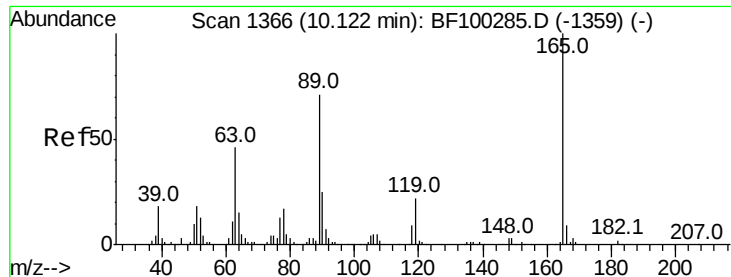
Tot Ion:163 Resp: 42289
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.8 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.115 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF100899.D
Acq: 27 Nov 2017 18:28

Tgt Ion:165 Resp: 15631
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.9 44.0 66.0#

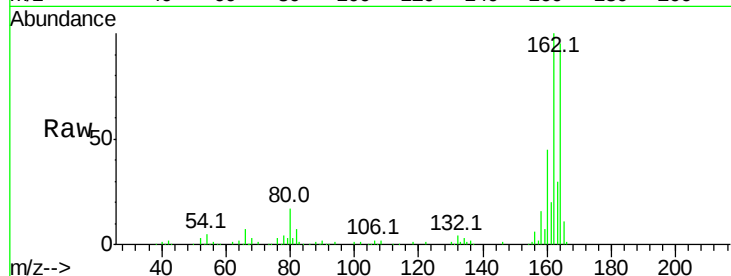




#56
2,4-Dinitrotoluene
Concen: 6.433 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.19 min
Lab File: BF100899.D
Acq: 27 Nov 2017 18:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:	165	Resp:	15631
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#

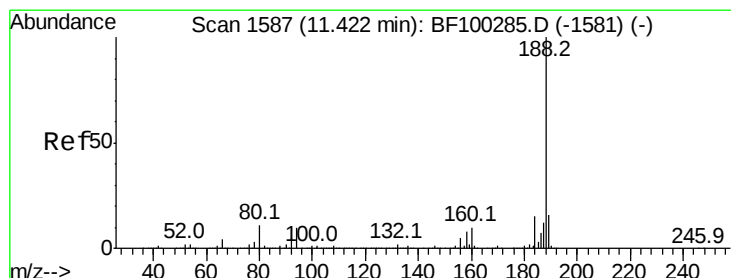
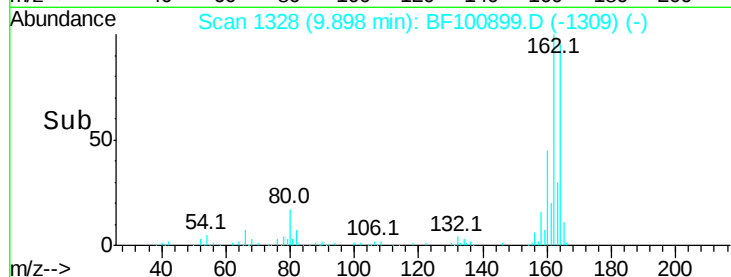
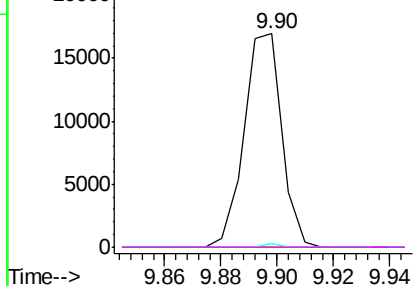


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

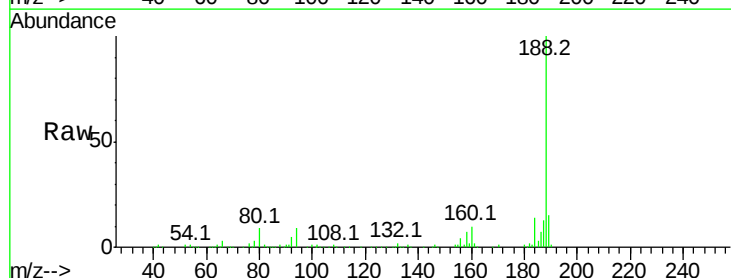
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF100899.D
Acq: 27 Nov 2017 18:28

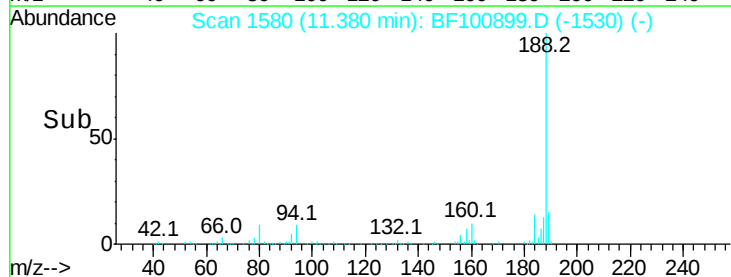
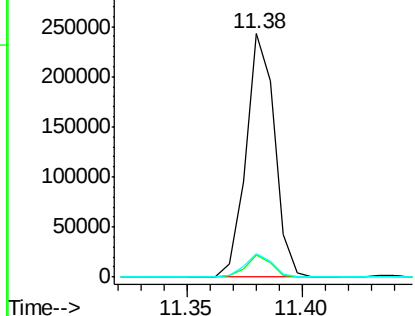
Tgt Ion:	188	Resp:	210211
Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.4	9.2	13.8

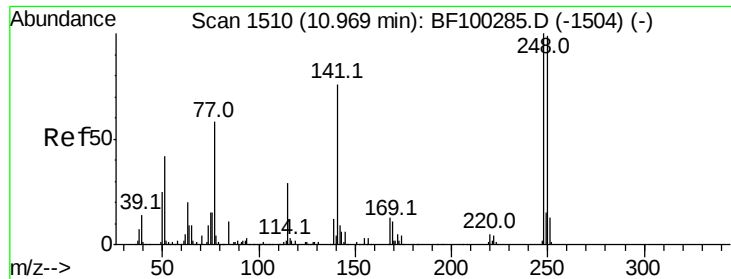


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

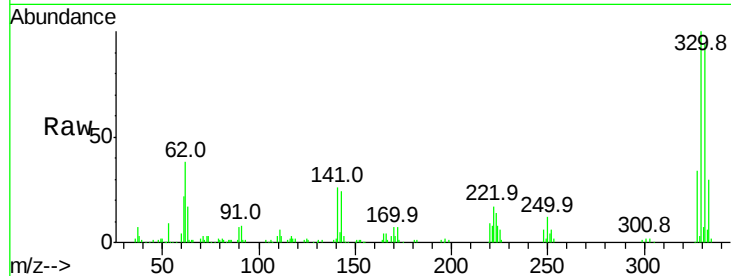




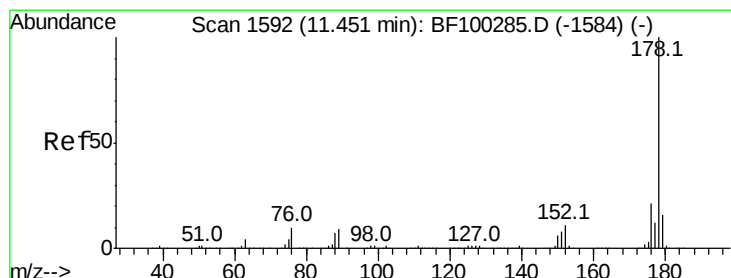
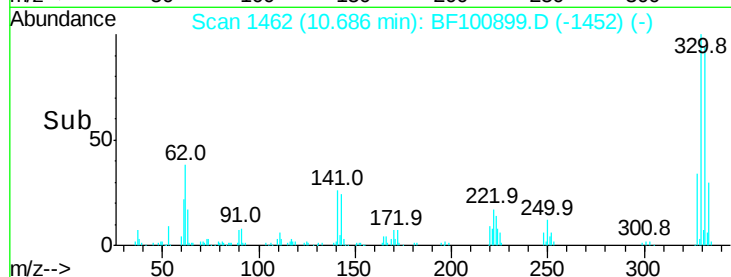
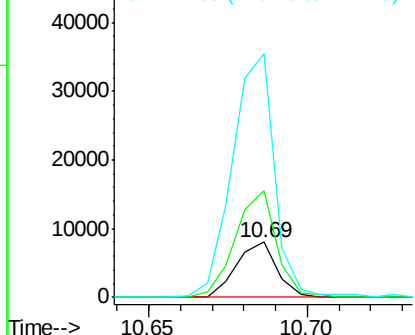
#66
 4-Bromophenyl-phenylether
 Concen: 3.132 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.24 min
 Lab File: BF100899.D
 Acq: 27 Nov 2017 18:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7058
 Ion Ratio Lower Upper
 248 100
 250 193.9 76.9 115.3#
 141 442.1 74.4 111.6#

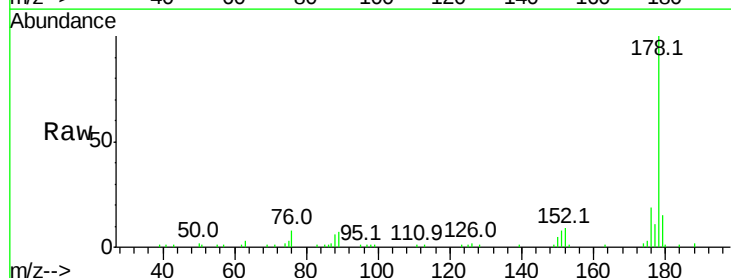


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

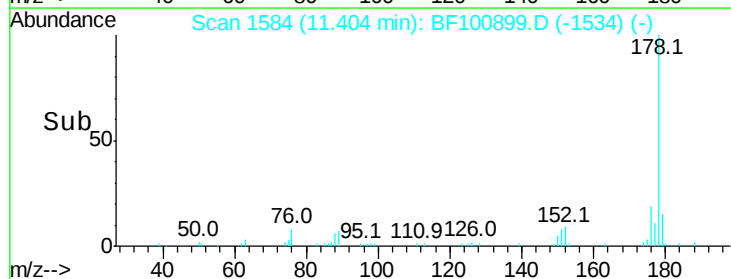
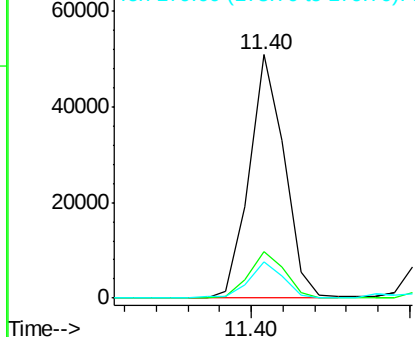


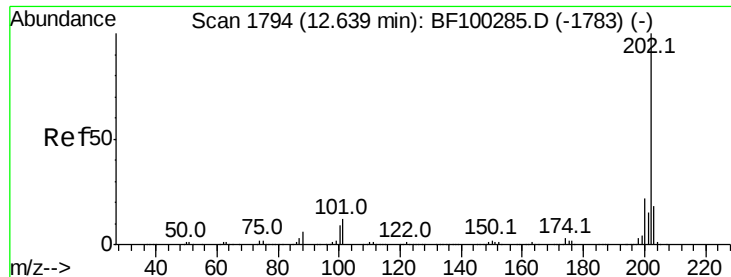
#70
 Phenanthrene
 Concen: 3.532 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF100899.D
 Acq: 27 Nov 2017 18:28

Tgt Ion:178 Resp: 39091
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.1 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





#74

Fluoranthene

Concen: 4.889 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF100899.D

Acq: 27 Nov 2017 18:28

Instrument :

BNA_F

ClientSampleId :

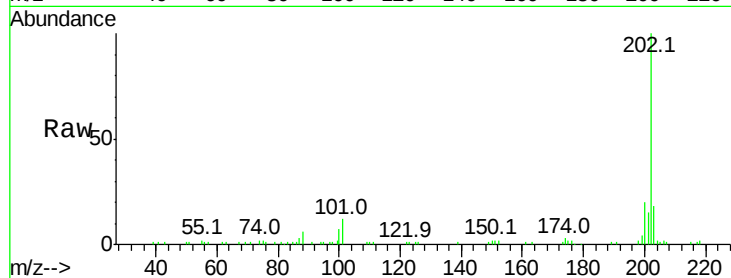
Tot Ion:202 Resp: 57352

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

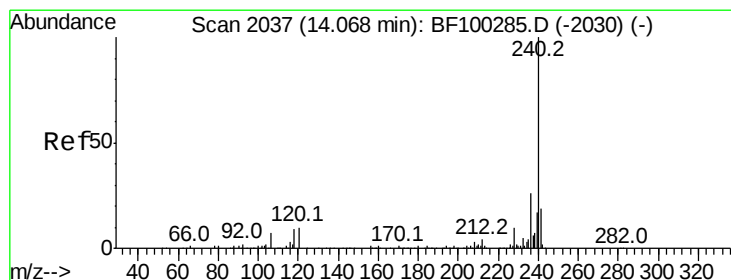
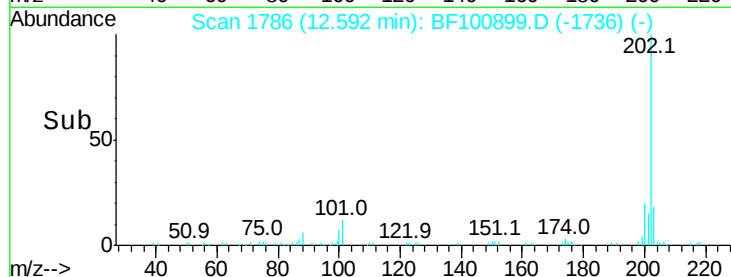
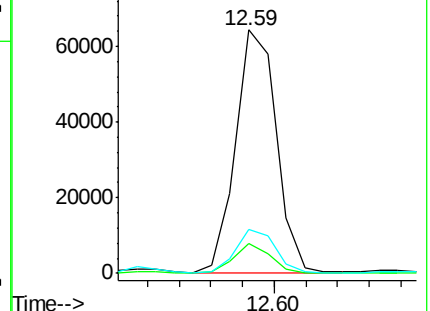
203 18.1 0.0 38.1



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: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF100899.D

Acq: 27 Nov 2017 18:28

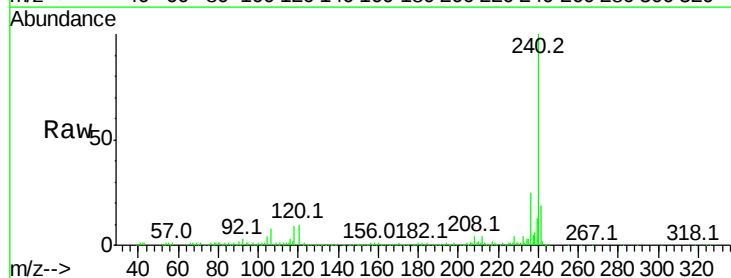
Tgt Ion:240 Resp: 155891

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

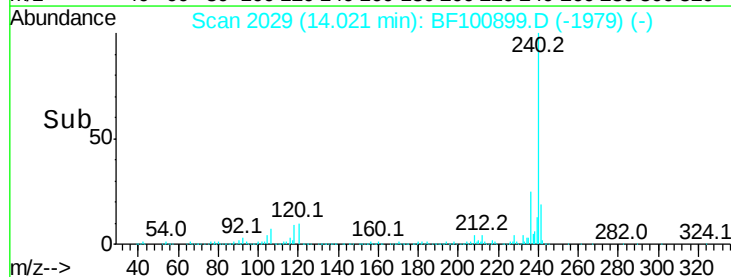
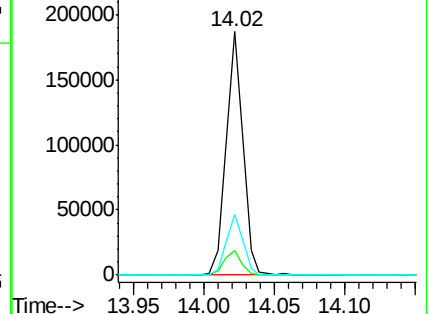
236 25.1 20.7 31.1

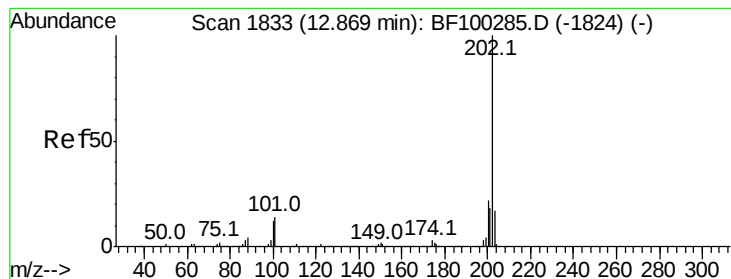


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.157 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF100899.D

Acq: 27 Nov 2017 18:28

Instrument :

BNA_F

ClientSampleId :

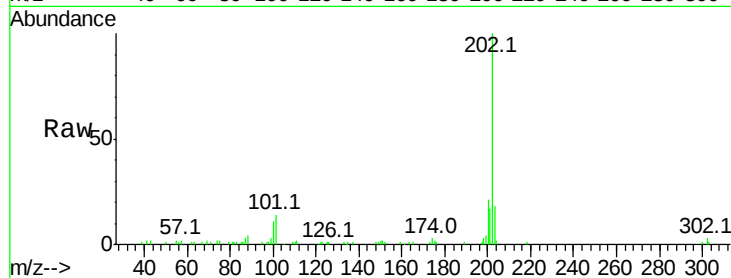
Tot Ion:202 Resp: 57306

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

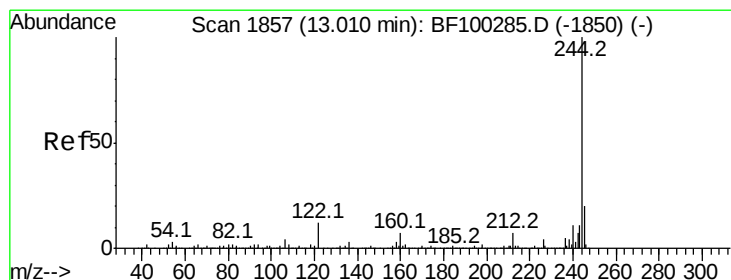
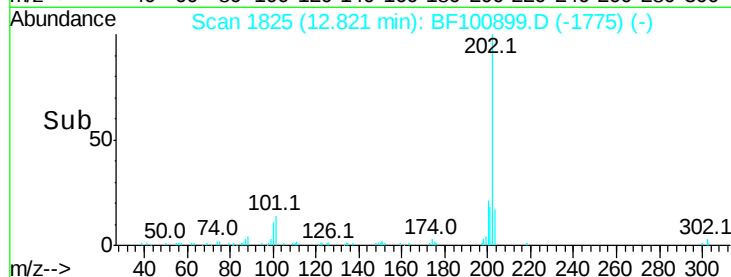
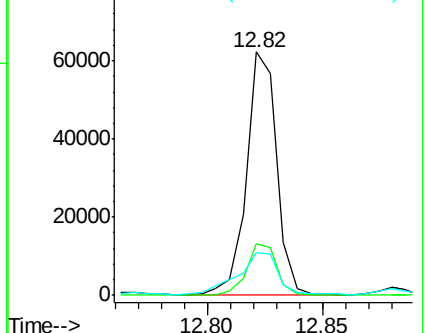
203 17.6 14.3 21.5



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: 61.921 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BF100899.D

Acq: 27 Nov 2017 18:28

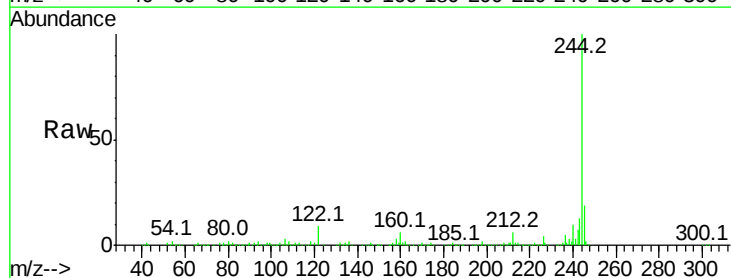
Tgt Ion:244 Resp: 420108

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

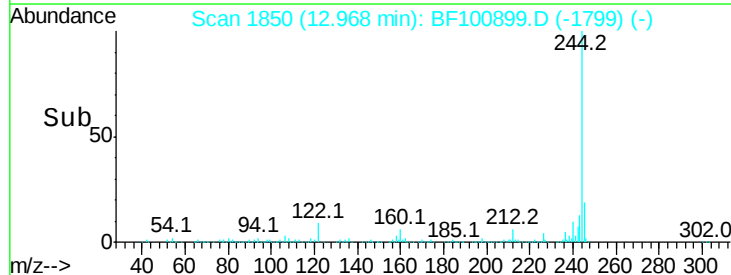
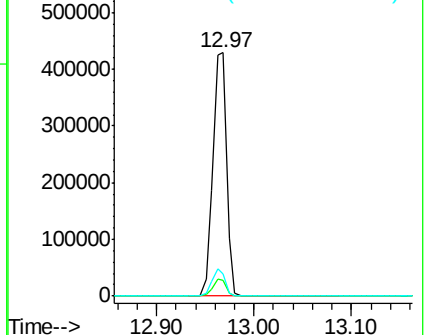
122 9.2 11.0 16.4#

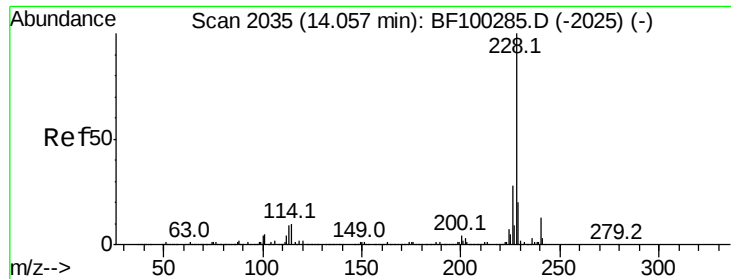


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.203 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.03 min

Lab File: BF100899.D

Acq: 27 Nov 2017 18:28

Instrument :

BNA_F

ClientSampleId :

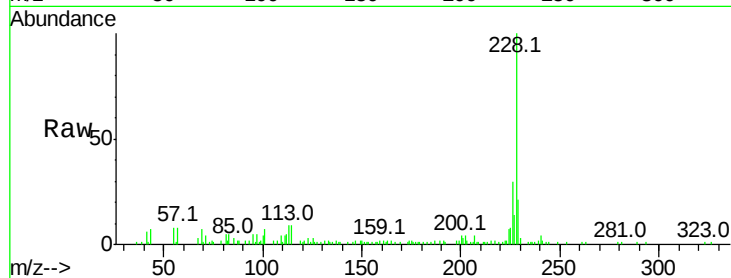
Tot Ion:228 Resp: 30072

Ion Ratio Lower Upper

228 100

226 29.9 22.6 33.8

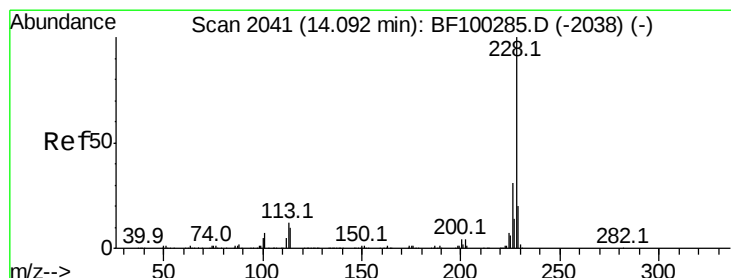
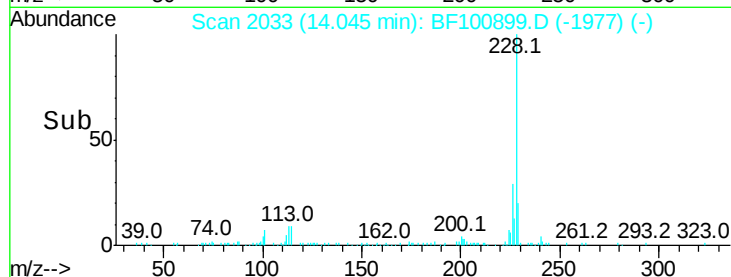
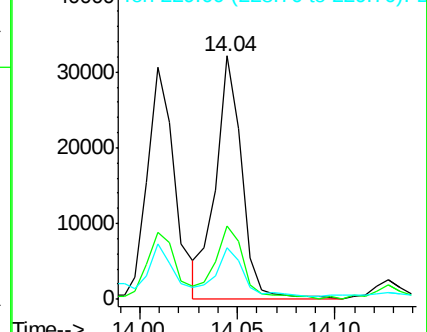
229 21.4 15.8 23.6



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



#82

Chrysene

Concen: 3.308 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF100899.D

Acq: 27 Nov 2017 18:28

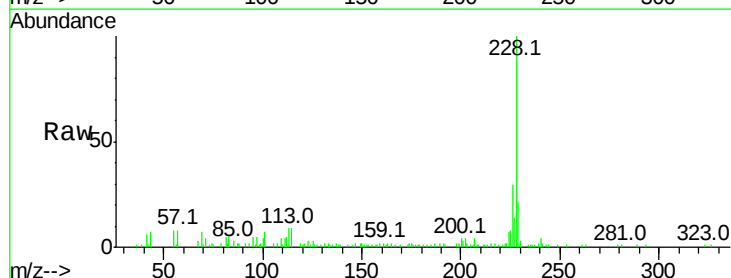
Tgt Ion:228 Resp: 30072

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

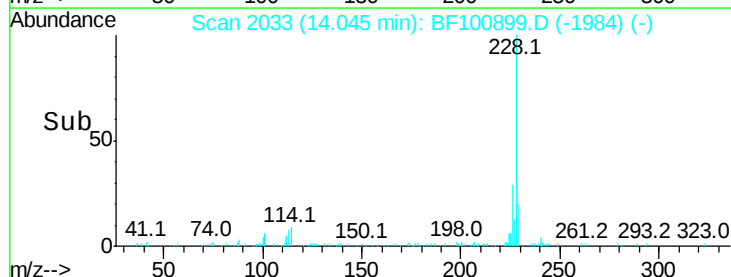
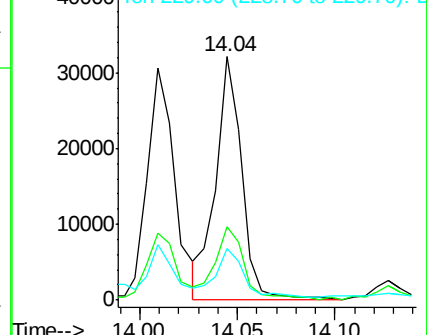
229 21.4 16.2 24.4

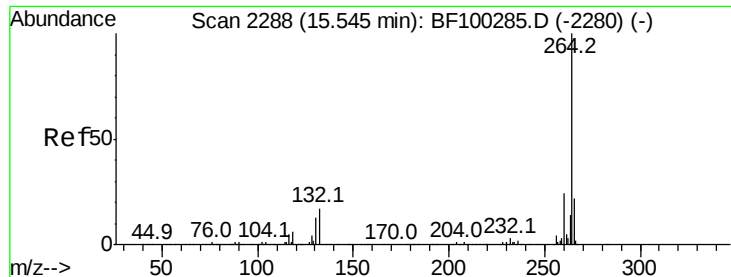


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



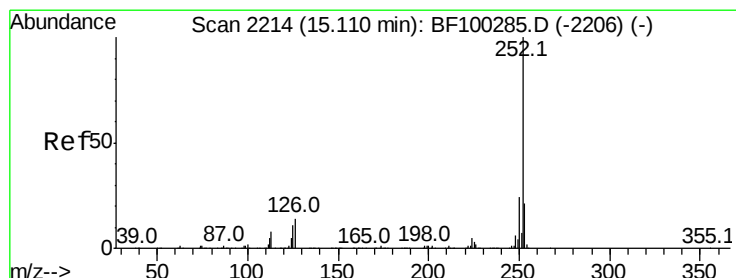
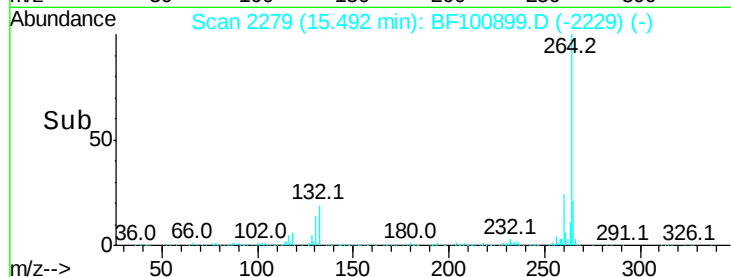
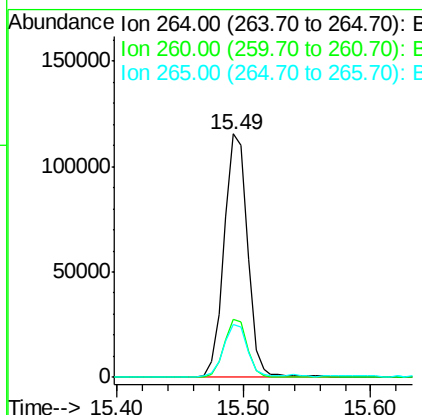
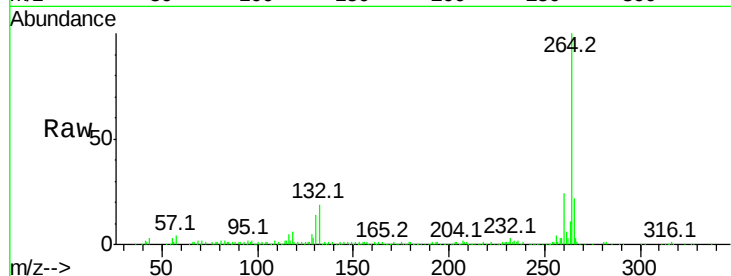


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF100899.D
Acq: 27 Nov 2017 18:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 148610

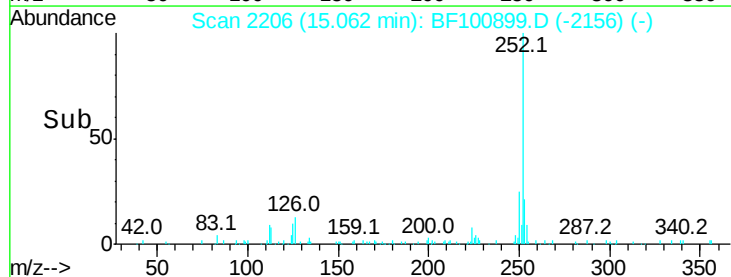
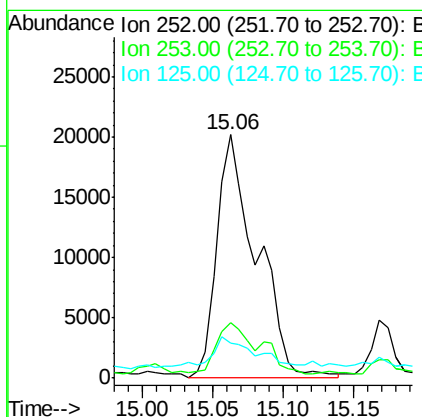
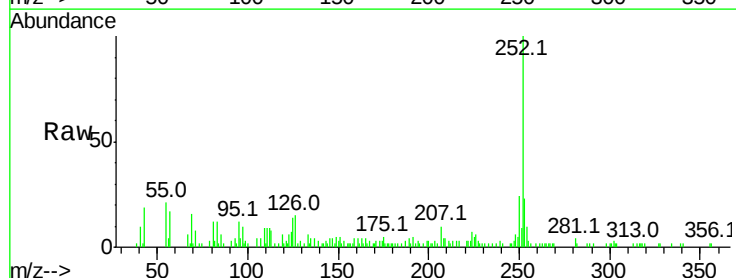
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.8	17.5	26.3

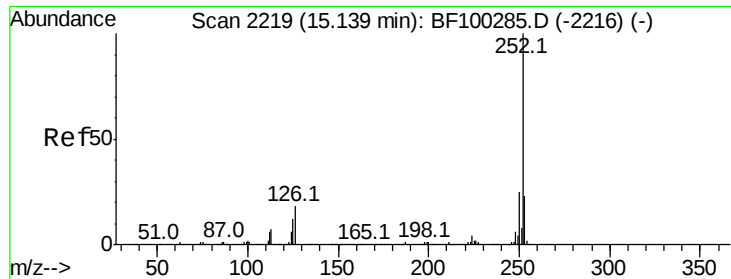


#87
Benzo(b)fluoranthene
Concen: 4.531 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF100899.D
Acq: 27 Nov 2017 18:28

Tgt Ion:252 Resp: 39896

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	14.3	9.0	13.6#

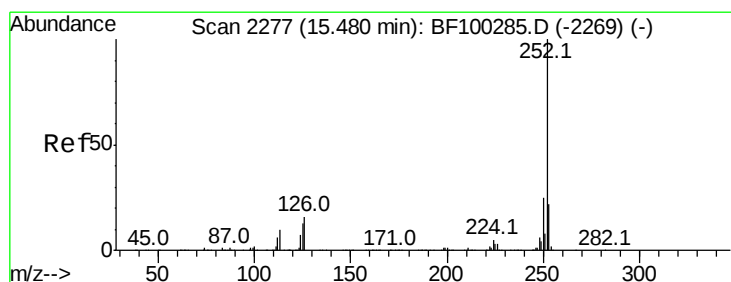
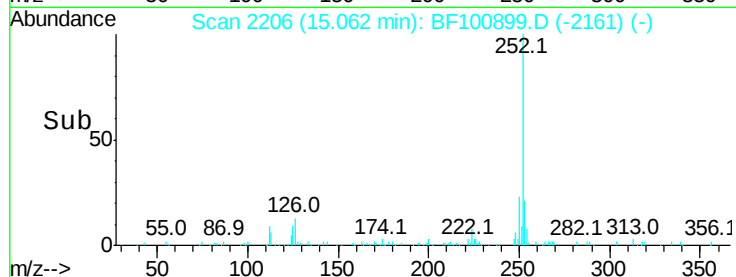
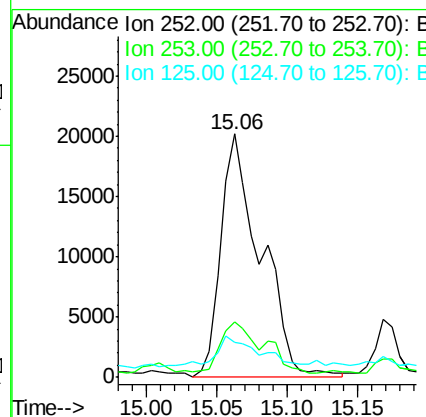
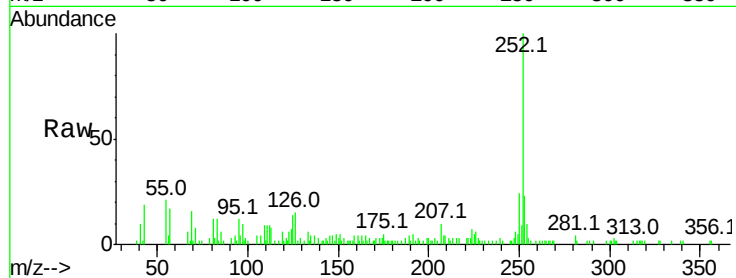




#88
Benzo(k)fluoranthene
Concen: 4.796 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.04 min
Lab File: BF100899.D
Acq: 27 Nov 2017 18:28

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	14.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.458 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF100899.D
Acq: 27 Nov 2017 18:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	18.3	9.8	14.6

