

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
 Data File : BF100932.D
 Acq On : 28 Nov 2017 14:28
 Operator : SJ/JU
 Sample : I6578-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 00:36:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	67617	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	255874	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	111971	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	177044	20.00	ng	0.00
75) Chrysene-d12	14.02	240	146006	20.00	ng	0.00
86) Perylene-d12	15.50	264	151195	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	475218	112.66	ng	0.00
7) Phenol-d6	6.49	99	602090	115.75	ng	0.00
23) Nitrobenzene-d5	7.43	82	369158	95.38	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	144220	126.40	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	780538	106.15	ng	0.00
78) Terphenyl-d14	12.97	244	552758	86.99	ng	0.00

Target Compounds

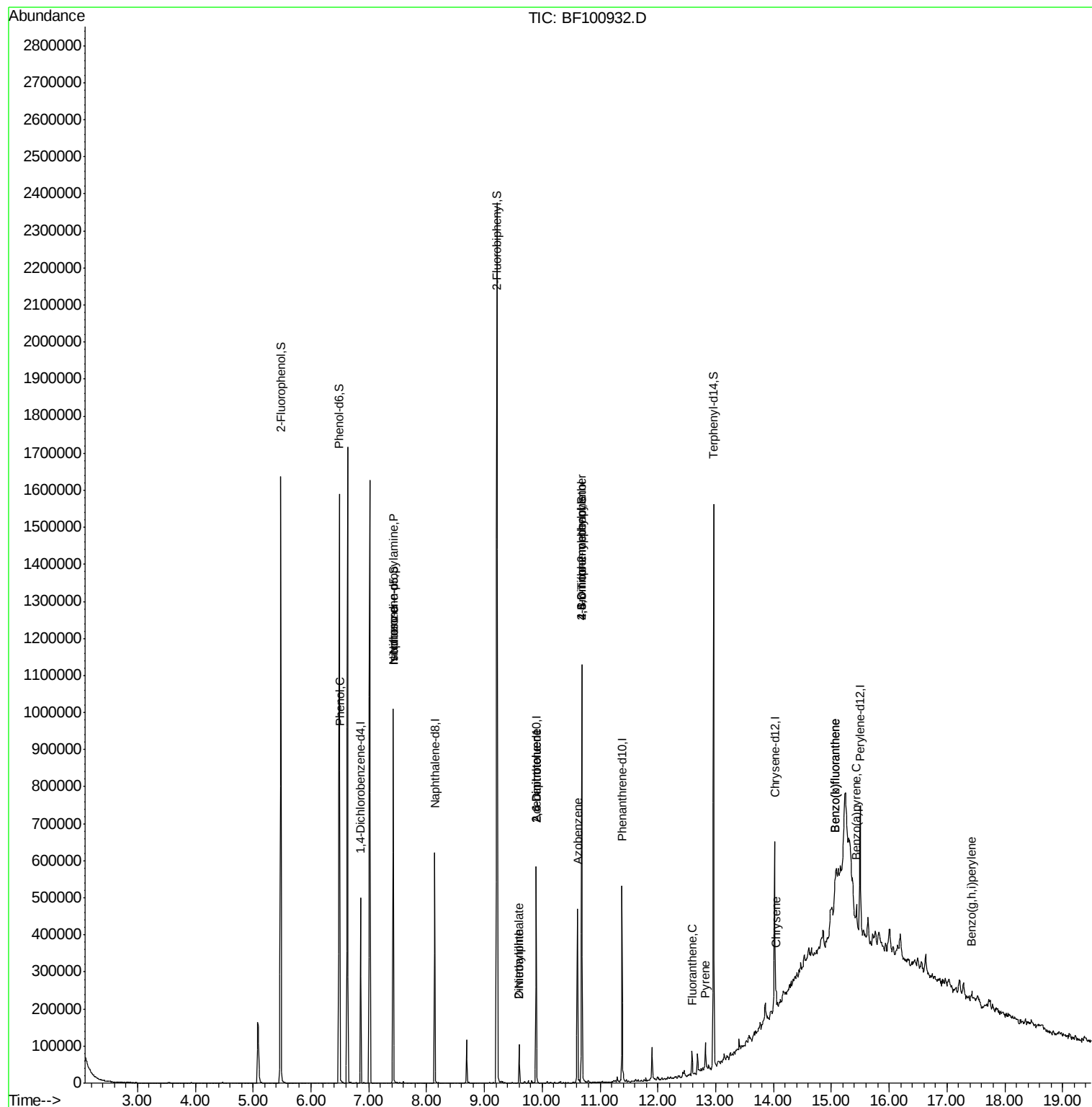
						Qvalue
10) Phenol	6.50	94	11502	2.106	ng	97
19) n-Nitroso-di-n-propylamine	7.42	70	49851	13.819	ng	# 80
25) Isophorone	7.43	82	369154	45.390	ng	# 64
47) 2-Nitroaniline	9.60	65	170	2.861	ng	# 1
49) Dimethylphthalate	9.60	163	37711	4.411	ng	100
50) 2,6-Dinitrotoluene	9.89	165	14446	8.537	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	14446	6.767	ng	# 21
62) Azobenzene	10.61	77	79824	9.906	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.69	198	175	8.731	ng	# 34
66) 4-Bromophenyl-phenylether	10.69	248	9181	4.837	ng	# 1
74) Fluoranthene	12.59	202	24818	2.512	ng	96
77) Pyrene	12.82	202	25450	2.445	ng	99
82) Chrysene	14.04	228	17170	2.017	ng	# 94
87) Benzo(b)fluoranthene	15.06	252	31255	3.489	ng	# 71
88) Benzo(k)fluoranthene	15.06	252	31255	3.693	ng	# 74
89) Benzo(a)pyrene	15.43	252	17488	2.202	ng	# 82
91) Benzo(a,h,i)perylene	17.43	276	15190	2.389	ng	# 92

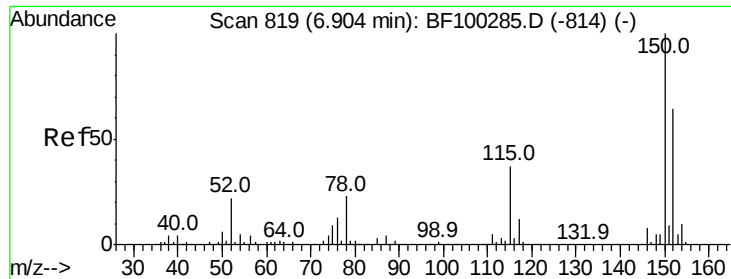
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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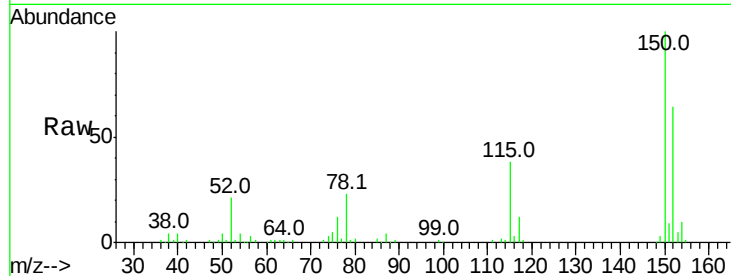


#1

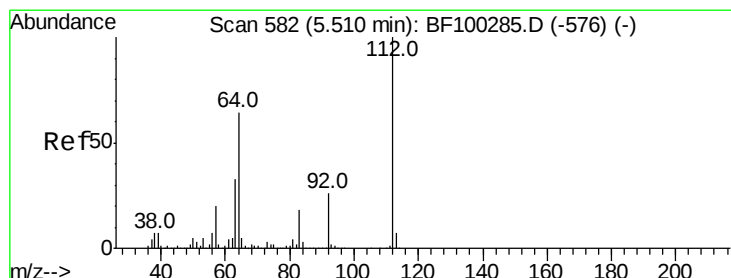
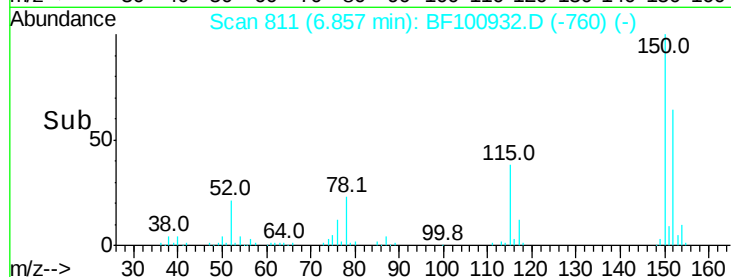
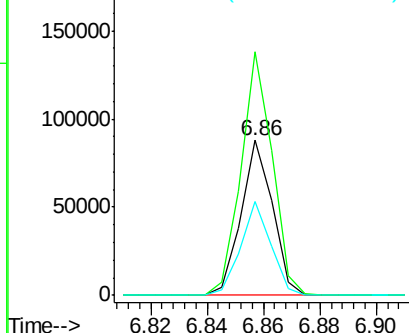
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF100932.D
Acq: 28 Nov 2017 14:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 67617
Ion Ratio Lower Upper
152 100
150 157.0 124.6 186.8
115 60.4 50.1 75.1



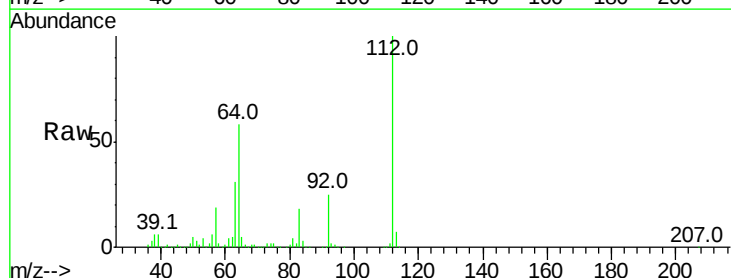
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



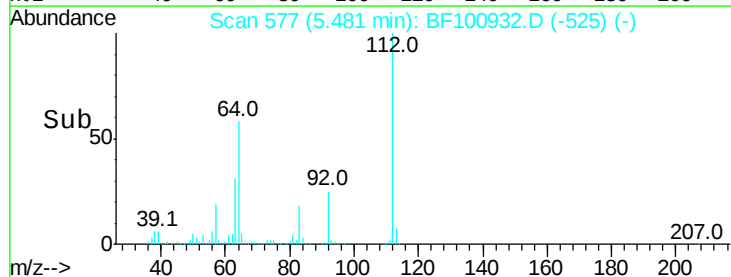
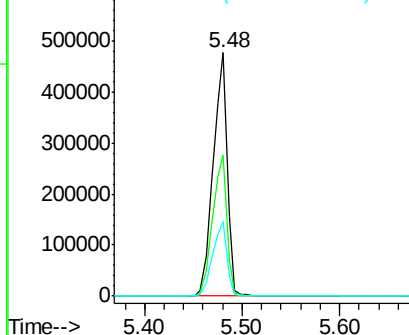
#5

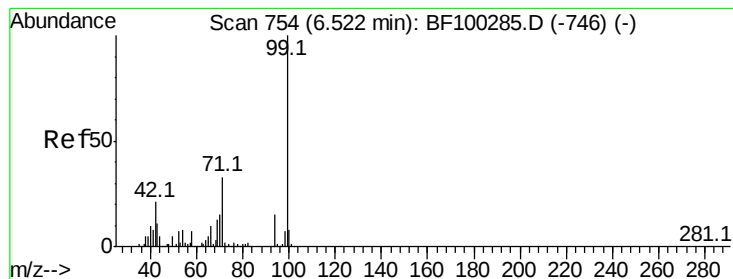
2-Fluorophenol
Concen: 112.659 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF100932.D
Acq: 28 Nov 2017 14:28

Tgt Ion:112 Resp: 475218
Ion Ratio Lower Upper
112 100
64 57.9 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: 115.751 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF100932.D

Acq: 28 Nov 2017 14:28

Instrument :

BNA_F

ClientSampleId :

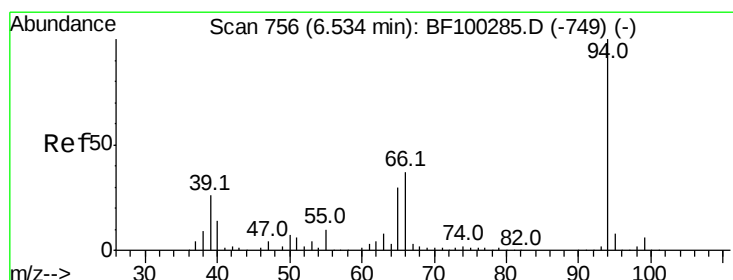
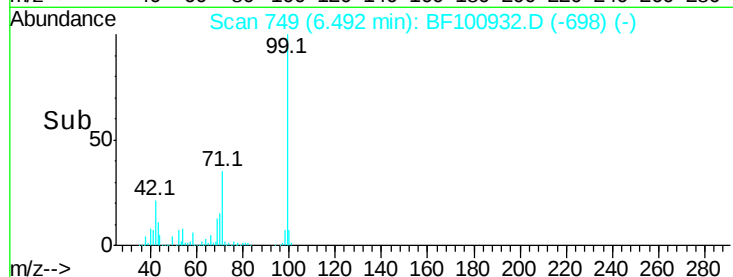
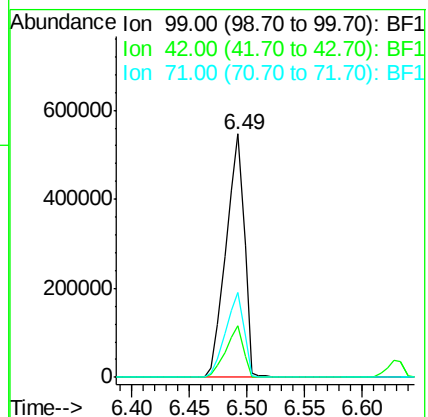
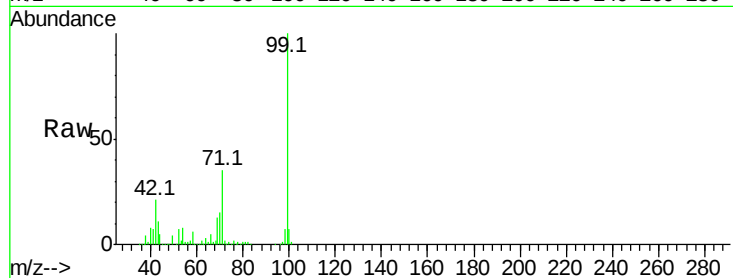
Tot Ion: 99 Resp: 602090

Ion Ratio Lower Upper

99 100

42 21.3 14.5 21.7

71 35.1 25.4 38.0



#10

Phenol

Concen: 2.106 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF100932.D

Acq: 28 Nov 2017 14:28

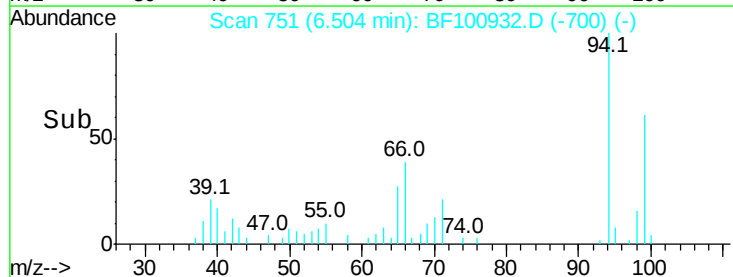
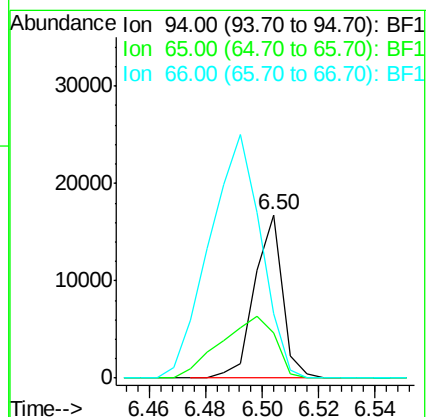
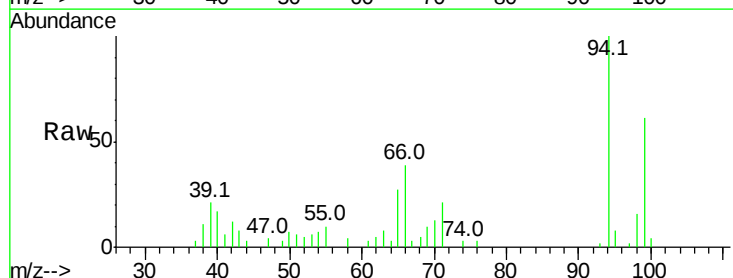
Tgt Ion: 94 Resp: 11502

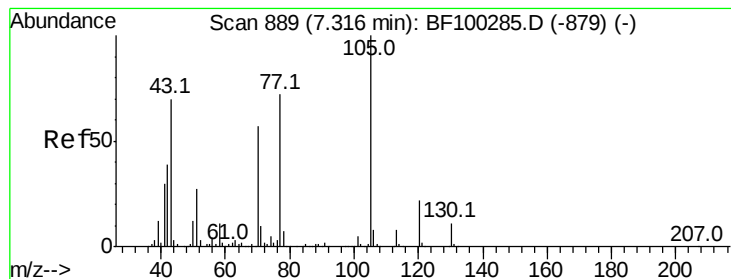
Ion Ratio Lower Upper

94 100

65 27.4 7.9 47.9

66 39.1 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 13.819 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF100932.D

Acq: 28 Nov 2017 14:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 49851

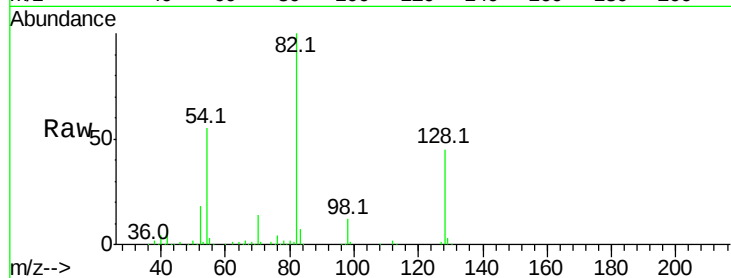
Ion Ratio Lower Upper

70 100

42 50.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

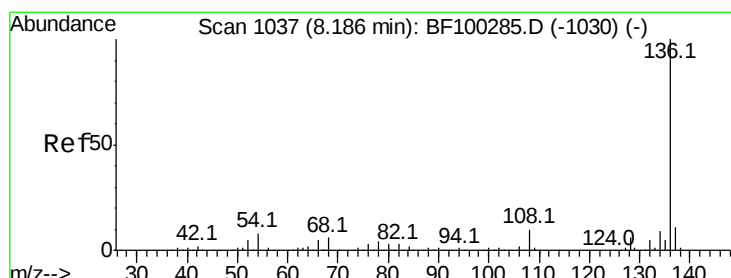
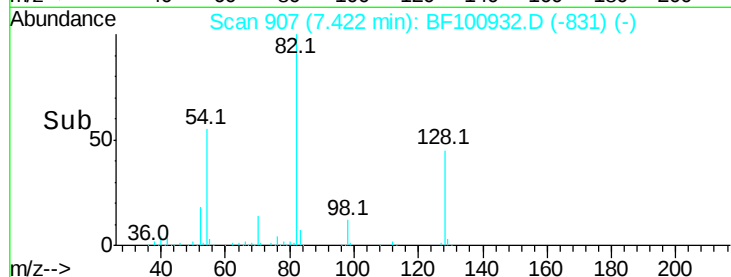
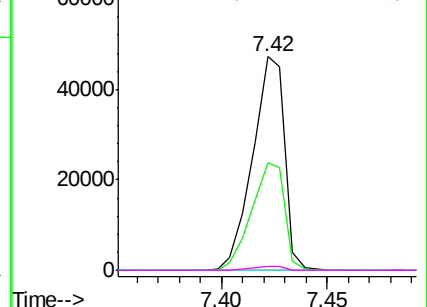


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF100932.D

Acq: 28 Nov 2017 14:28

Tgt Ion:136 Resp: 255874

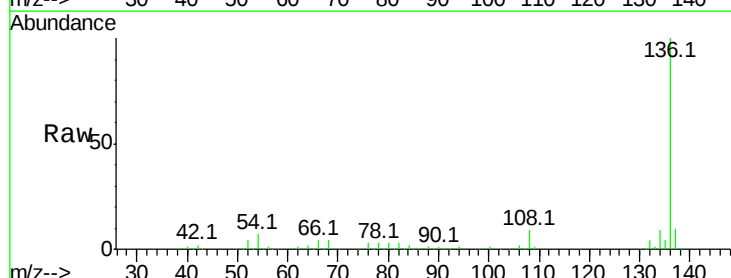
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 7.5 6.6 9.8

68 4.4 5.0 7.4#

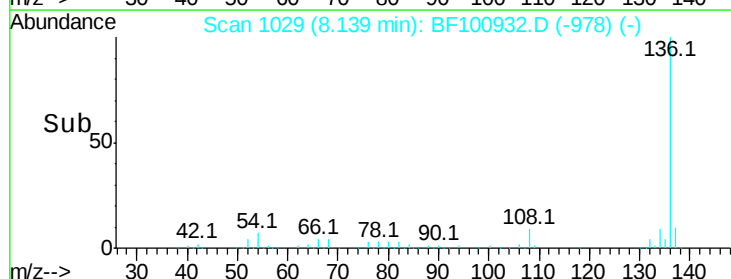
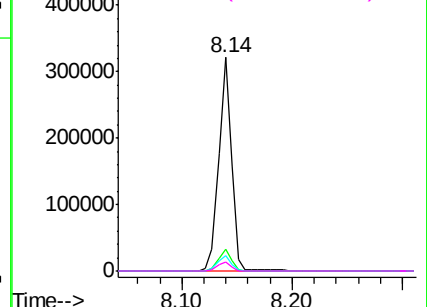


Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

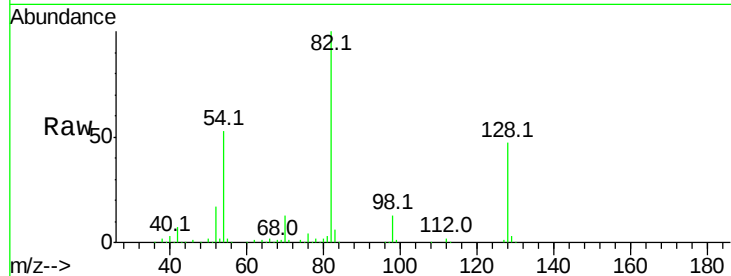




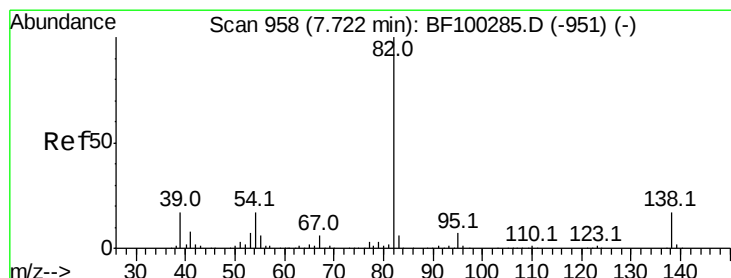
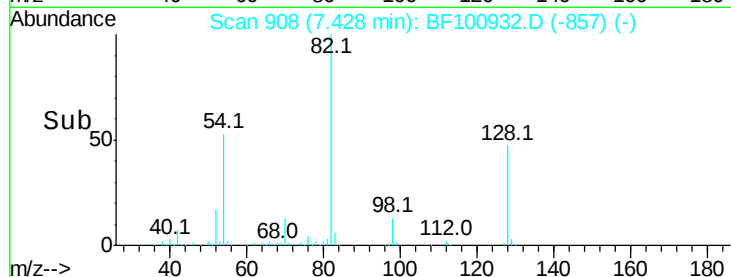
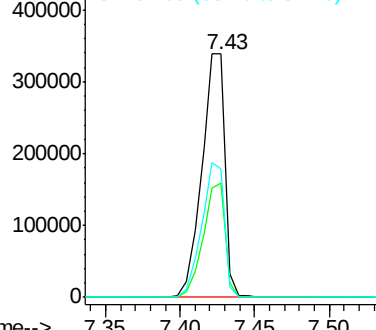
#23
 Nitrobenzene-d5
 Concen: 95.384 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: BF100932.D
 Acq: 28 Nov 2017 14:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	369158
Ion Ratio	Lower	Upper	
82	100		
128	46.8	36.1	54.1
54	52.7	41.4	62.2

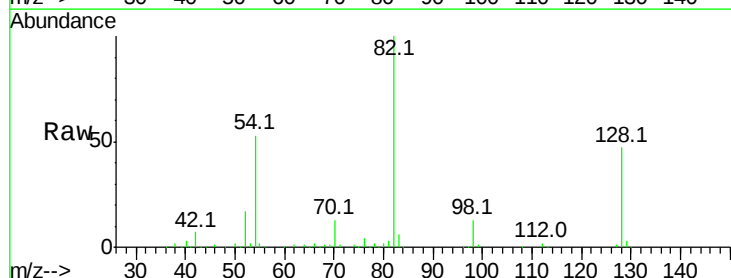


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

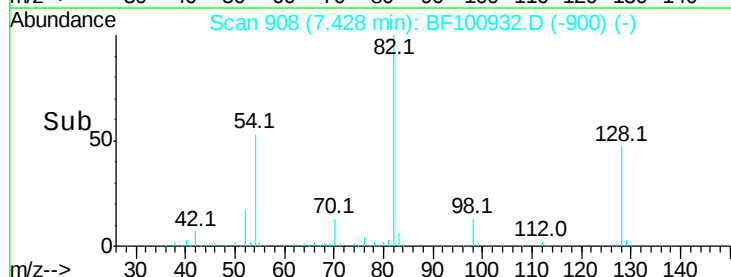
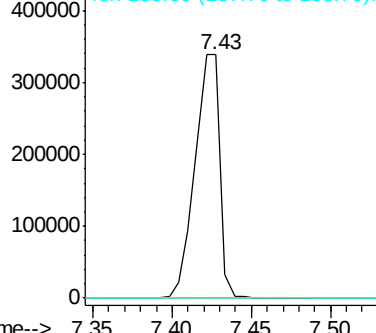


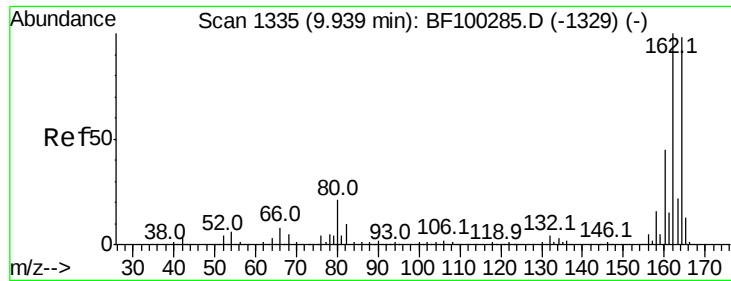
#25
 Isophorone
 Concen: 45.390 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.25 min
 Lab File: BF100932.D
 Acq: 28 Nov 2017 14:28

Tgt Ion	82	Resp	369154
Ion Ratio	Lower	Upper	
82	100		
95	0.0	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

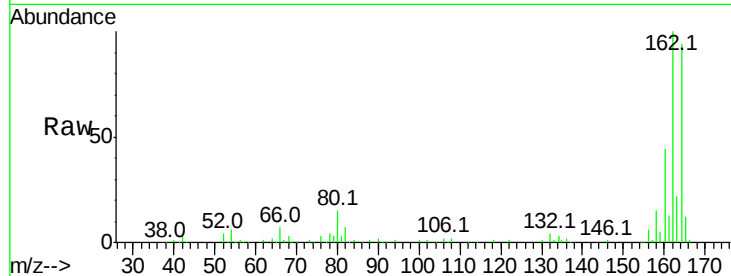




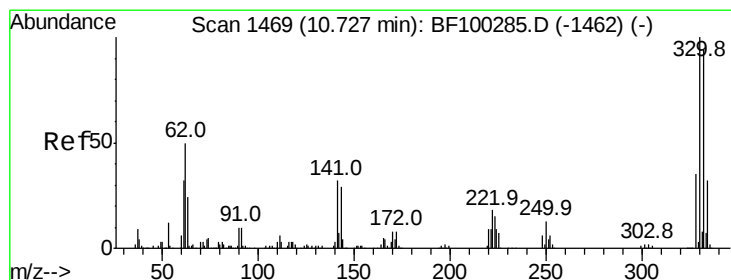
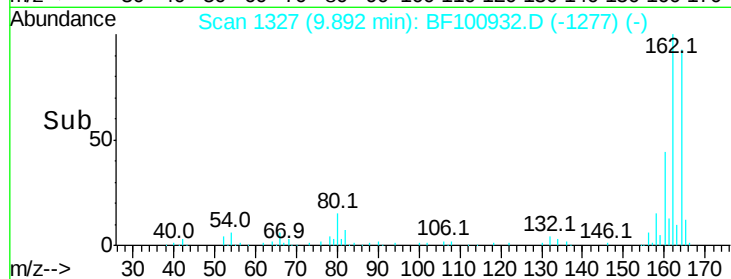
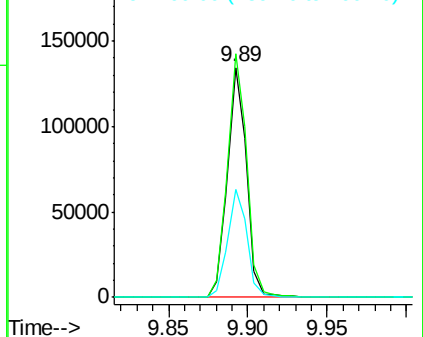
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF100932.D
 Acq: 28 Nov 2017 14:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 111971
 Ion Ratio Lower Upper
 164 100
 162 106.0 86.1 129.1
 160 46.8 38.3 57.5

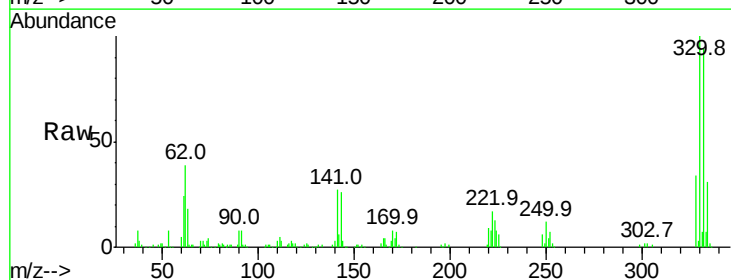


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

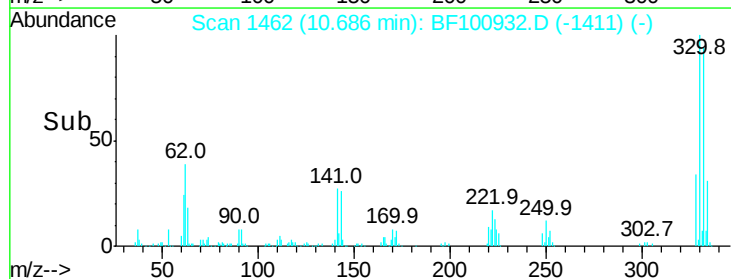
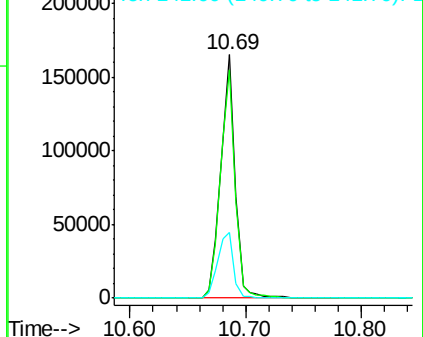


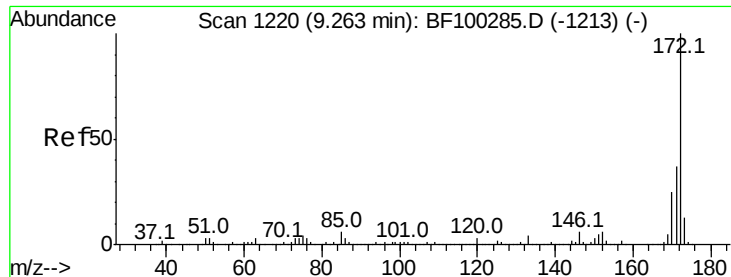
#41
 2,4,6-Tribromophenol
 Concen: 126.400 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: BF100932.D
 Acq: 28 Nov 2017 14:28

Tgt Ion:330 Resp: 144220
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 29.8 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

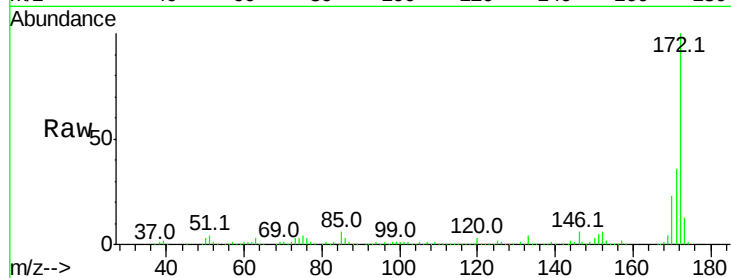




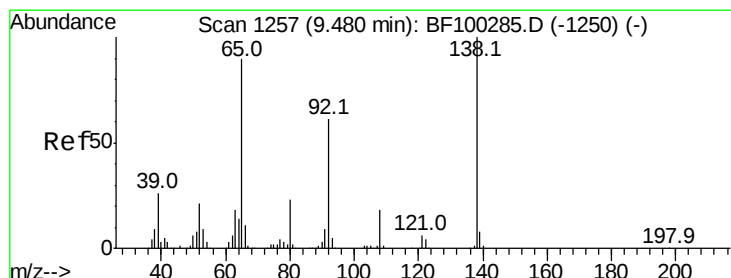
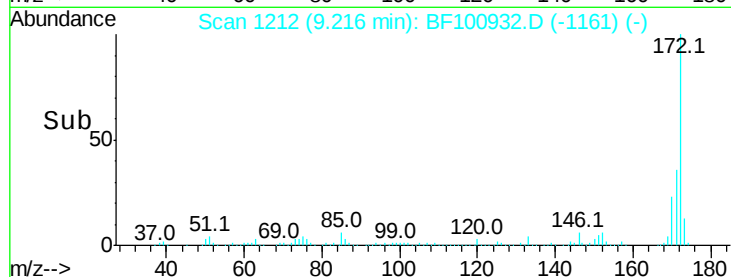
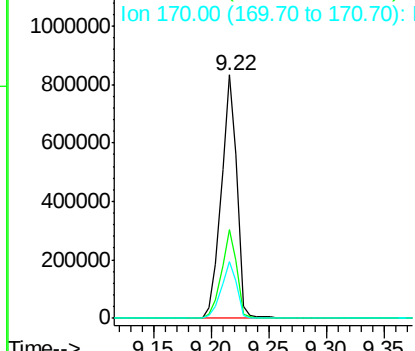
#44
2-Fluorobiphenyl
Concen: 106.147 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BF100932.D
Acq: 28 Nov 2017 14:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 780538
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 23.2 19.6 29.4

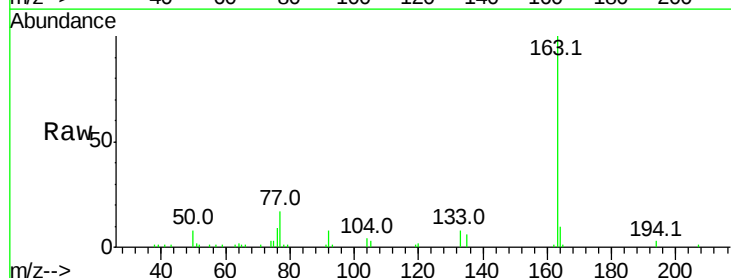


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

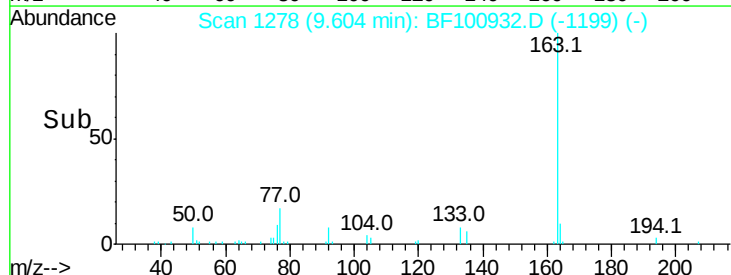
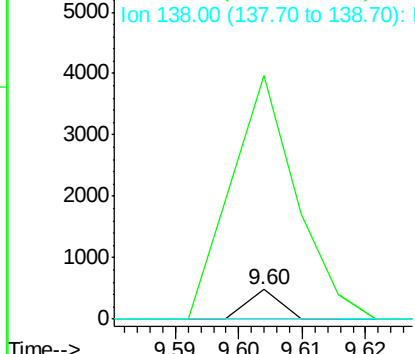


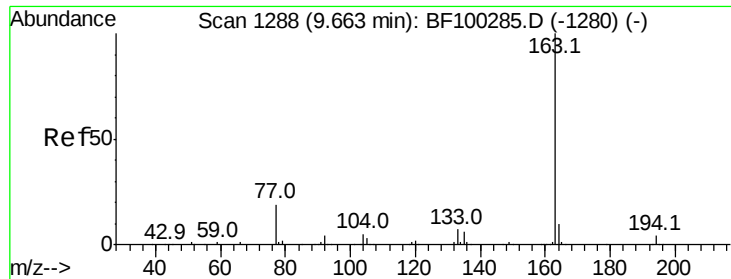
#47
2-Nitroaniline
Concen: 2.861 ng
RT: 9.60 min Scan# 1278
Delta R.T. 0.16 min
Lab File: BF100932.D
Acq: 28 Nov 2017 14:28

Tgt Ion: 65 Resp: 170
Ion Ratio Lower Upper
65 100
92 821.1 55.8 83.6#
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

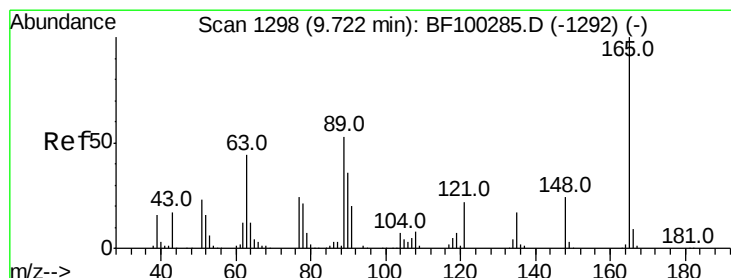
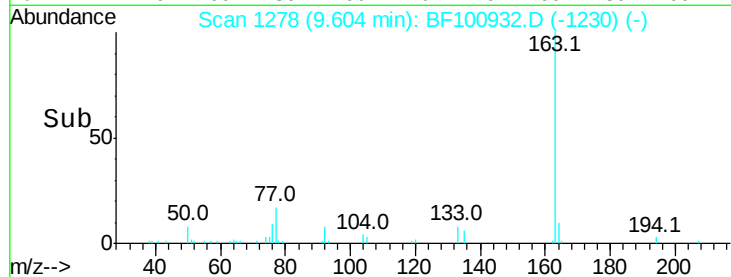
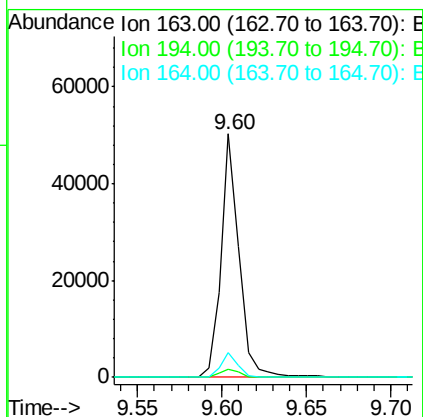
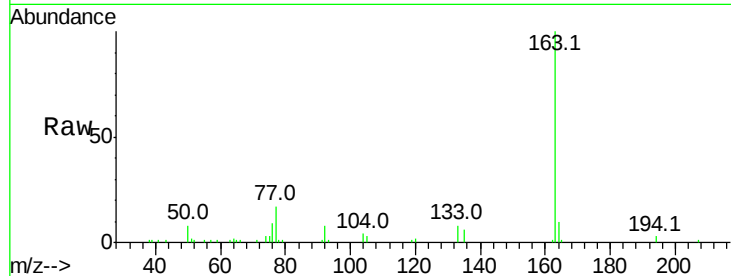




#49
Dimethylphthalate
Concen: 4.411 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100932.D
Acq: 28 Nov 2017 14:28

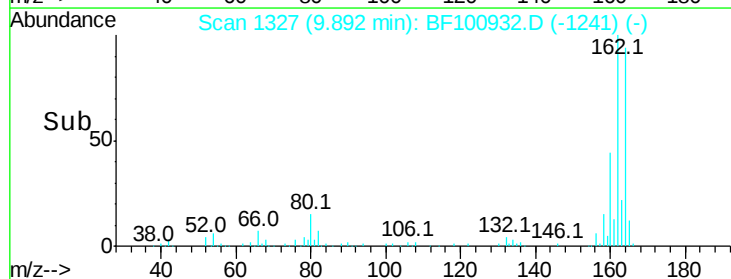
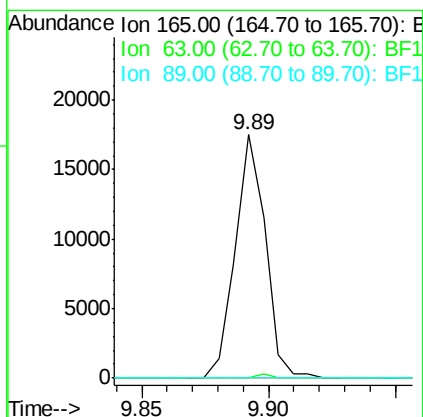
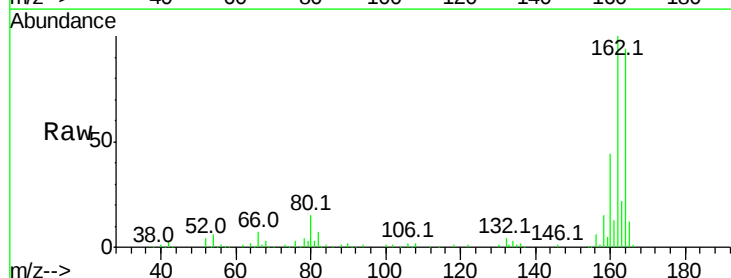
Instrument :
BNA_F
ClientSampleId :

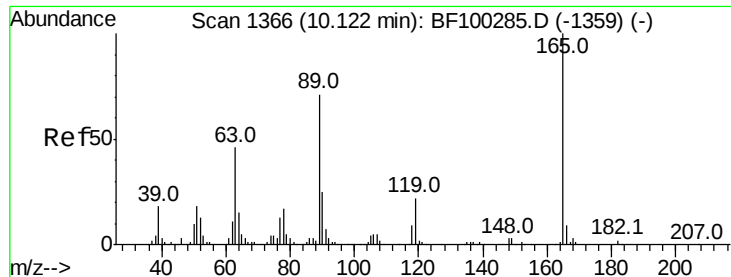
Tot Ion:163 Resp: 37711
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.2 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.537 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF100932.D
Acq: 28 Nov 2017 14:28

Tgt Ion:165 Resp: 14446
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#





#56

2,4-Dinitrotoluene

Concen: 6.767 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF100932.D

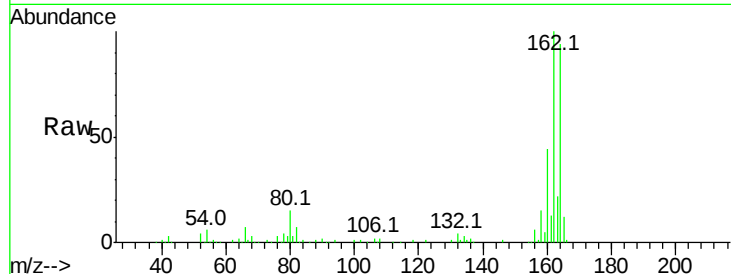
Acq: 28 Nov 2017 14:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165	Resp:	14446
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#

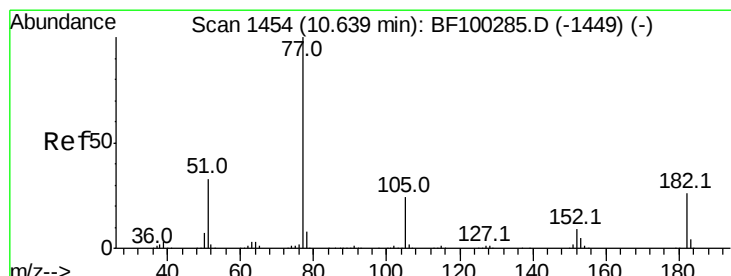
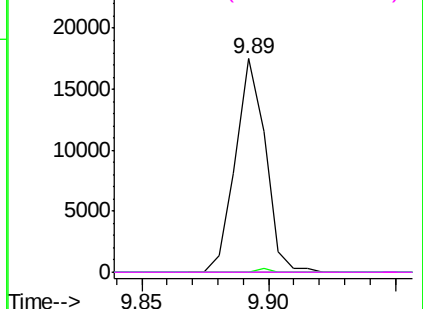
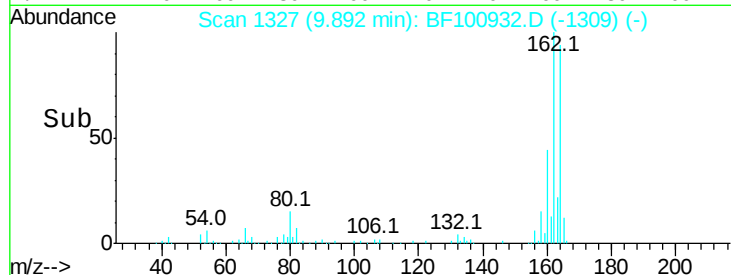


Abundance Ion 165.00 (164.70 to 165.70): E

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



#62

Azobenzene

Concen: 9.906 ng

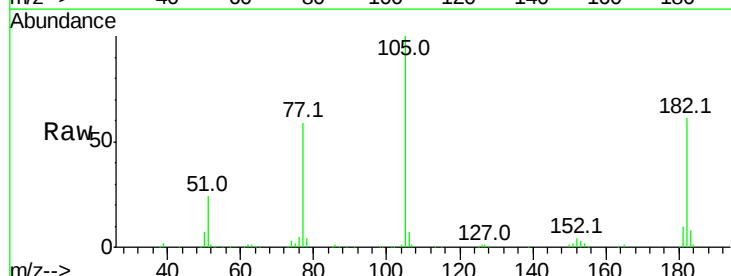
RT: 10.61 min Scan# 1449

Delta R.T. 0.01 min

Lab File: BF100932.D

Acq: 28 Nov 2017 14:28

Tgt Ion: 77	Resp:	79824
Ion Ratio	Lower	Upper
77	100	
182	103.6	1.7 41.7#
105	169.3	3.0 43.0#
51	40.9	9.9 49.9

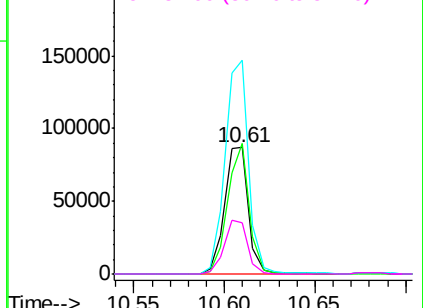
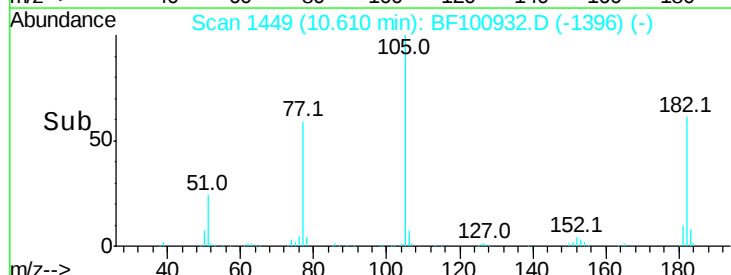


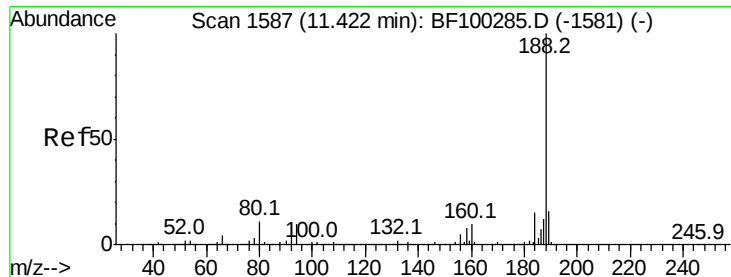
Abundance Ion 77.00 (76.70 to 77.70): BF1

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): BF1

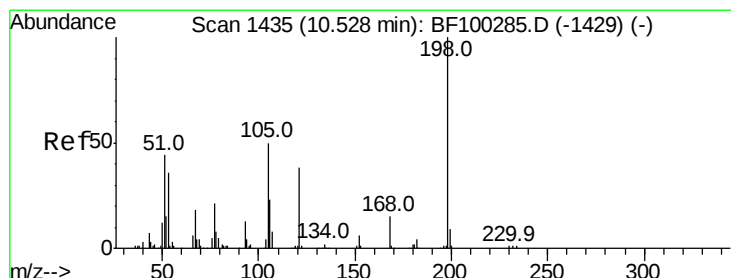
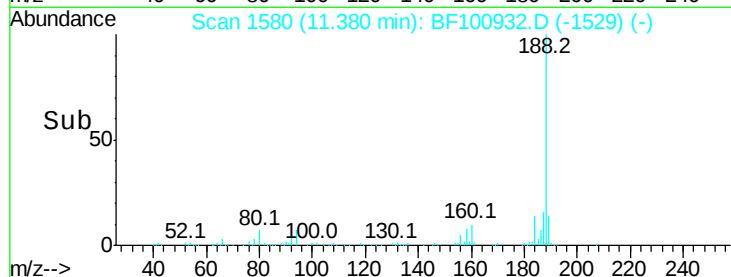
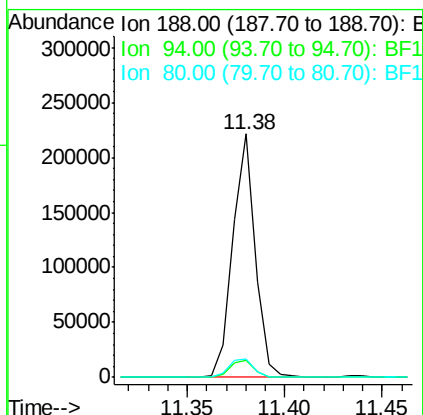
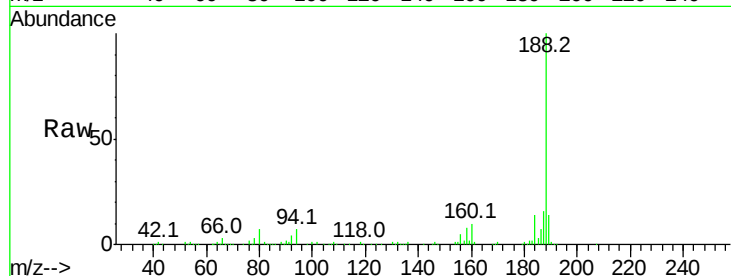




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF100932.D
Acq: 28 Nov 2017 14:28

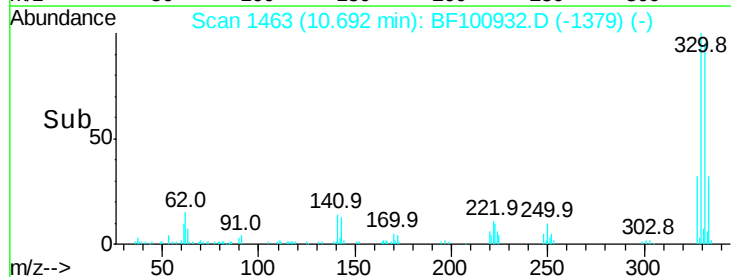
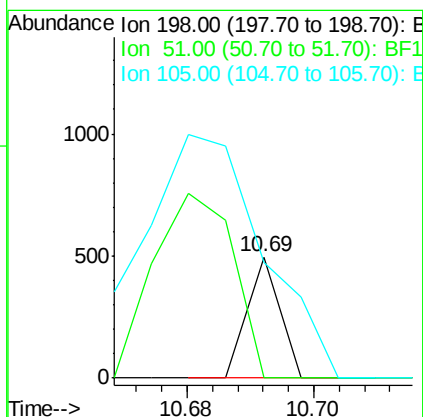
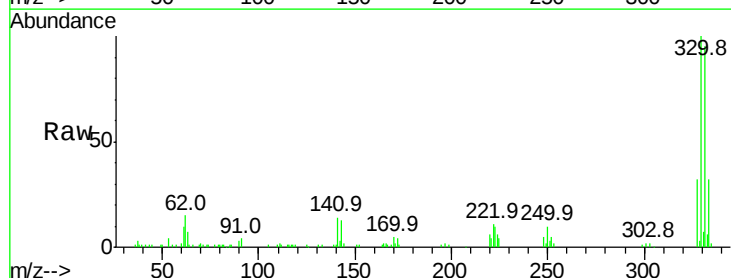
Instrument :
BNA_F
ClientSampled :

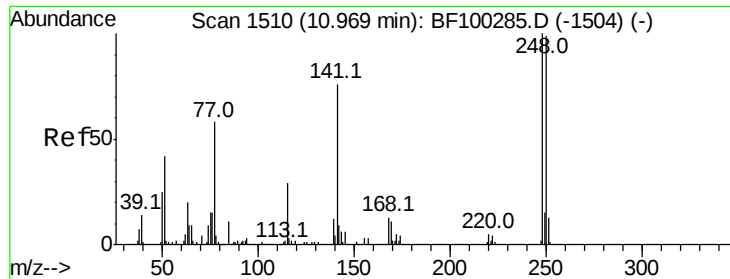
Tot Ion:188 Resp: 177044
Ion Ratio Lower Upper
188 100
94 7.0 8.5 12.7#
80 7.4 9.2 13.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.731 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.19 min
Lab File: BF100932.D
Acq: 28 Nov 2017 14:28

Tgt Ion:198 Resp: 175
Ion Ratio Lower Upper
198 100
51 0.0 37.7 77.7#
105 95.0 36.3 76.3#

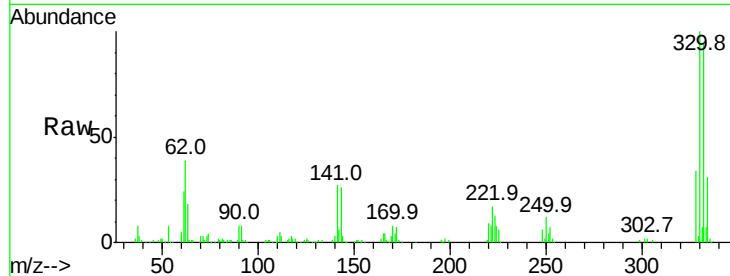




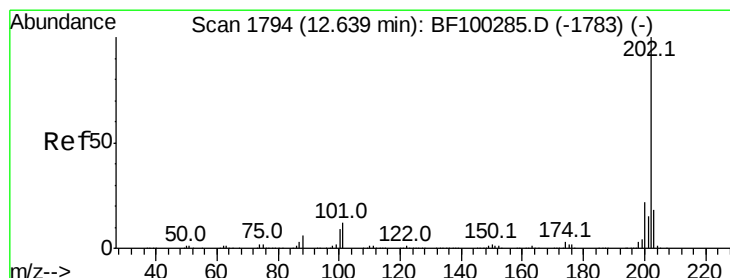
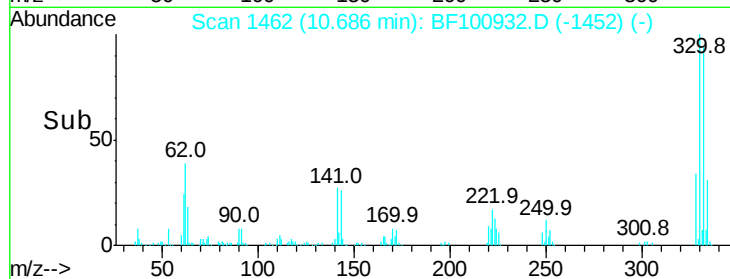
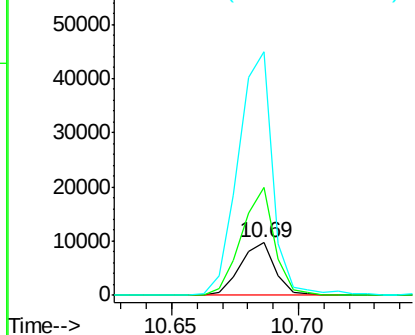
#66
 4-Bromophenyl-phenylether
 Concen: 4.837 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.24 min
 Lab File: BF100932.D
 Acq: 28 Nov 2017 14:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9181
 Ion Ratio Lower Upper
 248 100
 250 205.8 76.9 115.3#
 141 462.4 74.4 111.6#

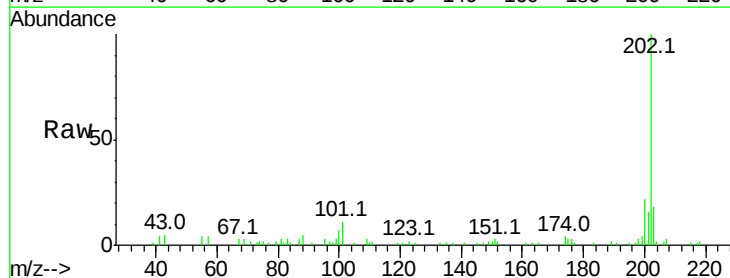


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

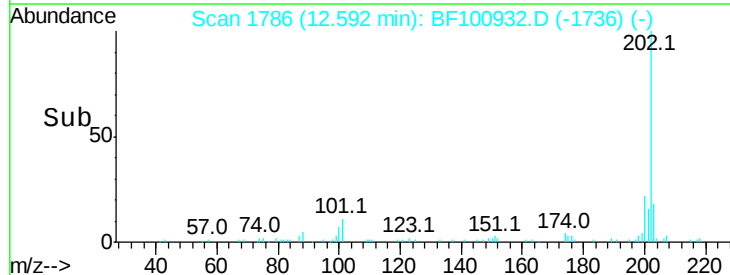
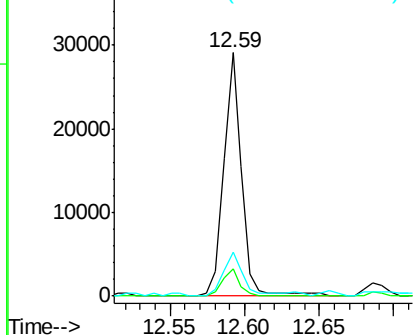


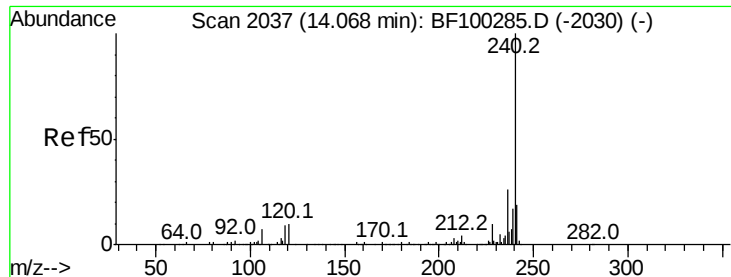
#74
 Fluoranthene
 Concen: 2.512 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BF100932.D
 Acq: 28 Nov 2017 14:28

Tgt Ion:202 Resp: 24818
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 34.1
 203 17.8 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: BF100932.D

Acq: 28 Nov 2017 14:28

Instrument :

BNA_F

ClientSampleId :

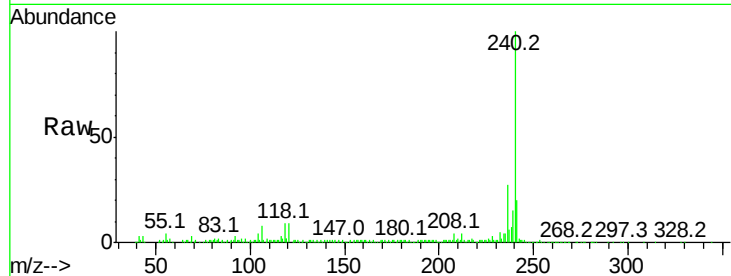
Tot Ion:240 Resp: 146006

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

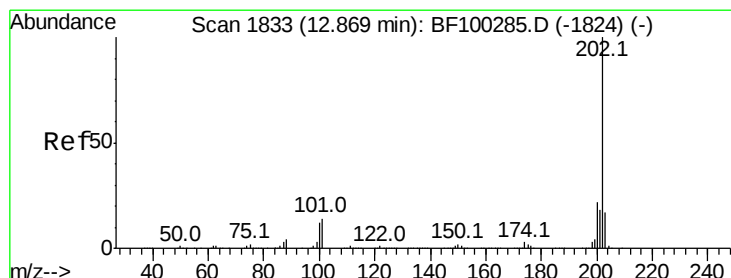
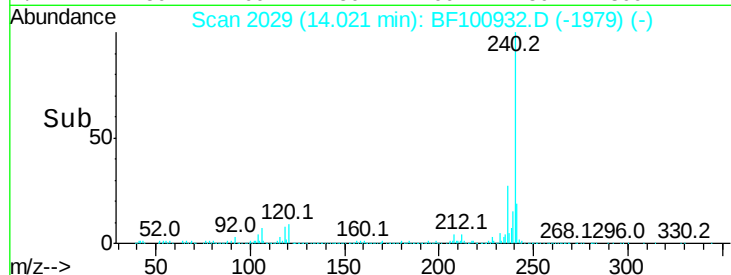
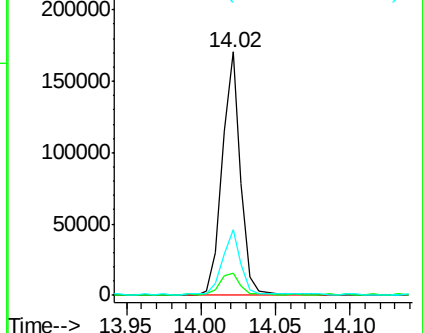
236 26.9 20.7 31.1



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

Pyrene

Concen: 2.445 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF100932.D

Acq: 28 Nov 2017 14:28

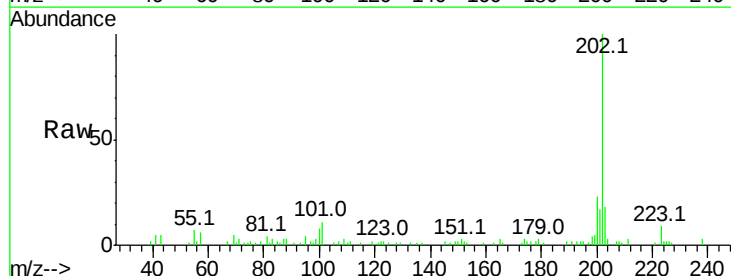
Tgt Ion:202 Resp: 25450

Ion Ratio Lower Upper

202 100

200 22.9 17.4 26.2

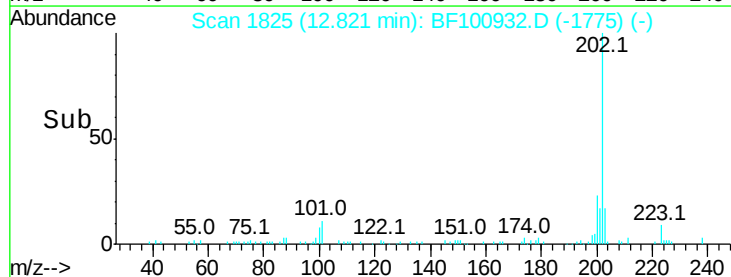
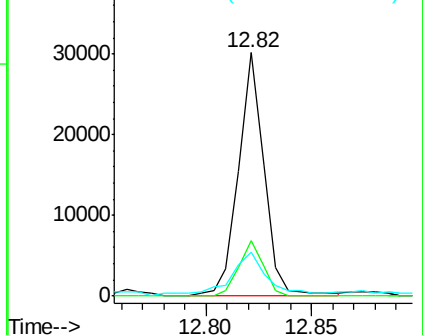
203 18.1 14.3 21.5

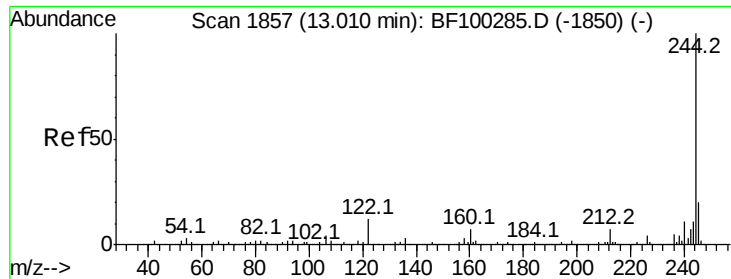


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 86.988 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BF100932.D

Acq: 28 Nov 2017 14:28

Instrument :

BNA_F

ClientSampleId :

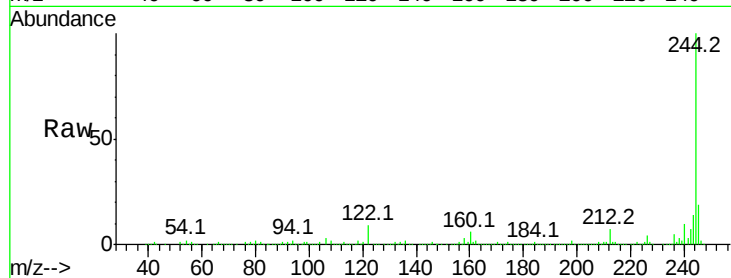
Tot Ion:244 Resp: 552758

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

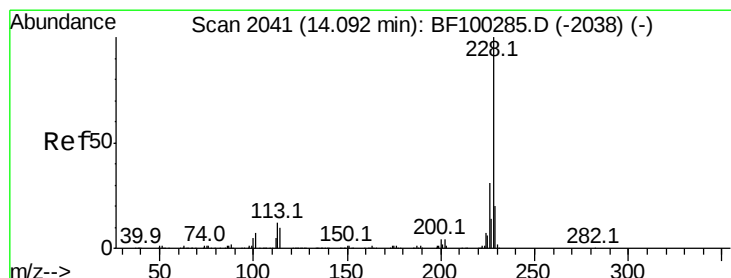
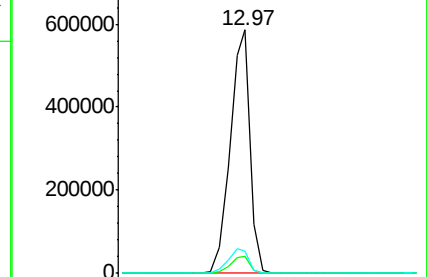
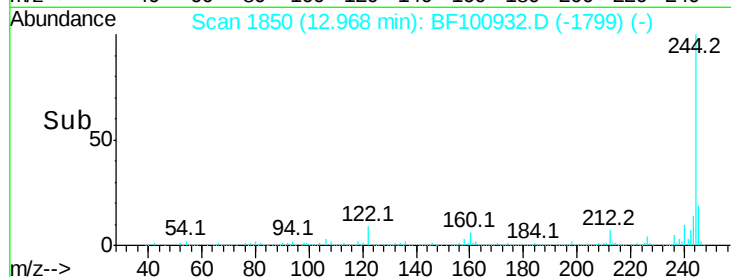
122 9.0 11.0 16.4#



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



#82

Chrysene

Concen: 2.017 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF100932.D

Acq: 28 Nov 2017 14:28

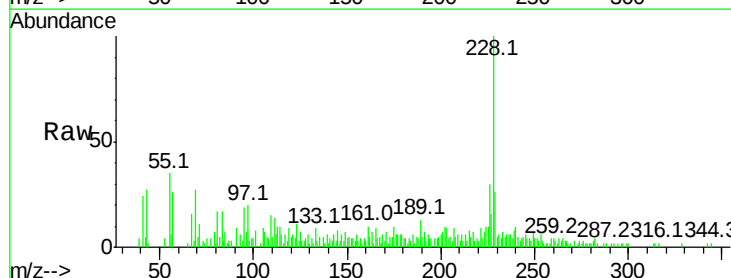
Tgt Ion:228 Resp: 17170

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

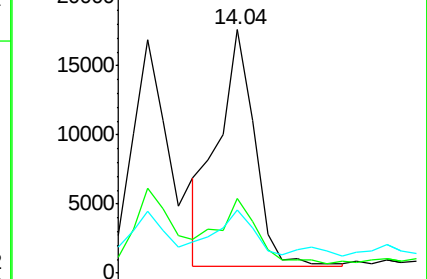
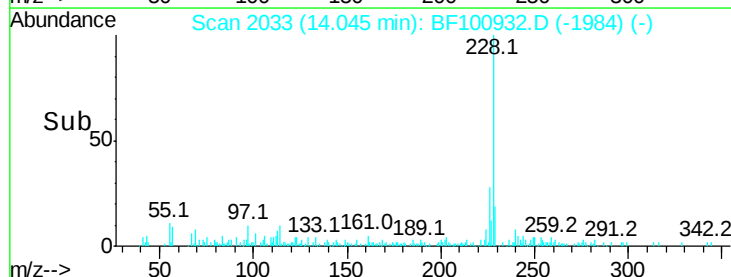
229 26.0 16.2 24.4#

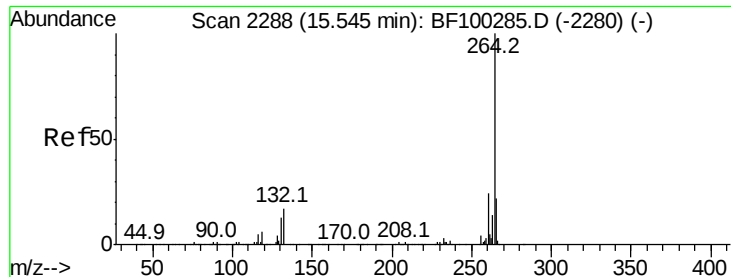


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

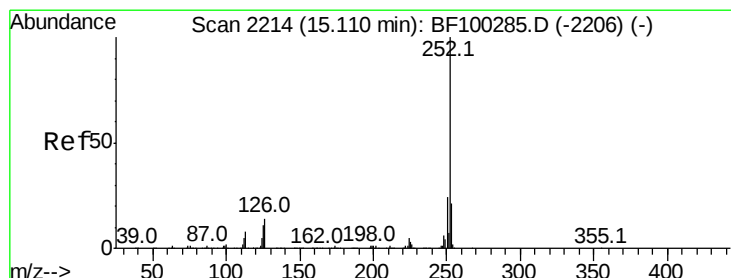
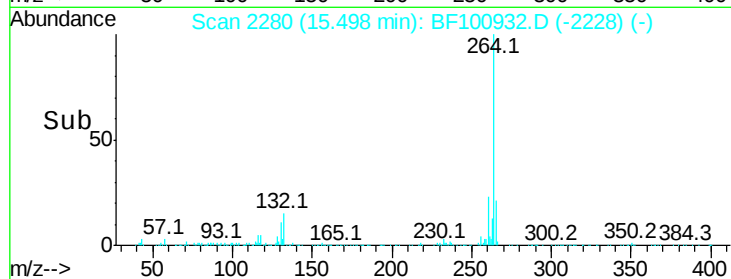
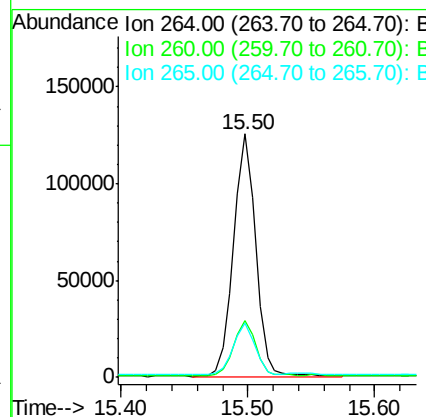
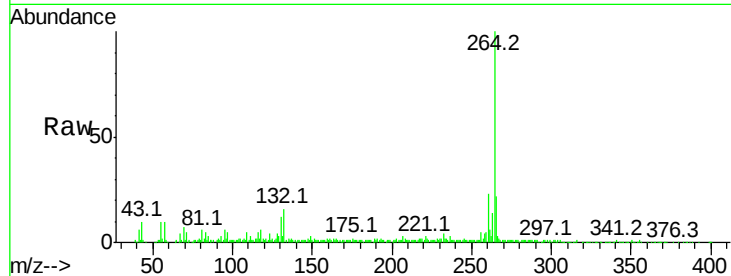




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF100932.D
Acq: 28 Nov 2017 14:28

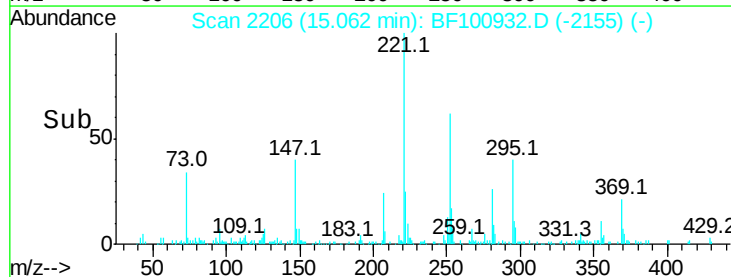
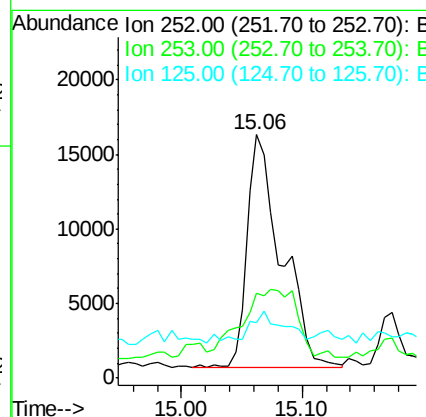
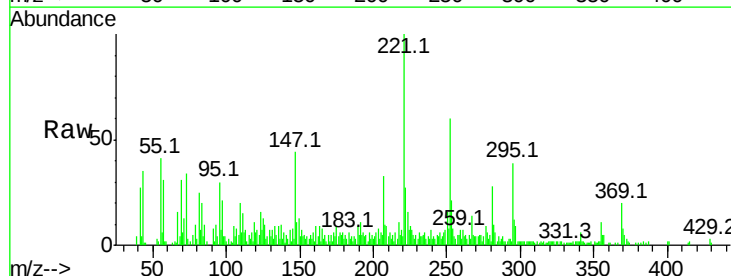
Instrument :
BNA_F
ClientSampleId :

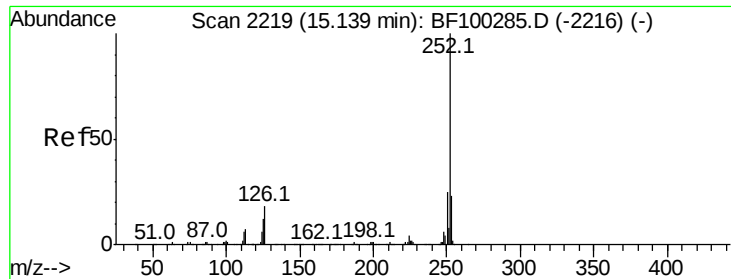
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.1	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 3.489 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BF100932.D
Acq: 28 Nov 2017 14:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.9	17.0	25.6#
125	22.5	9.0	13.6#

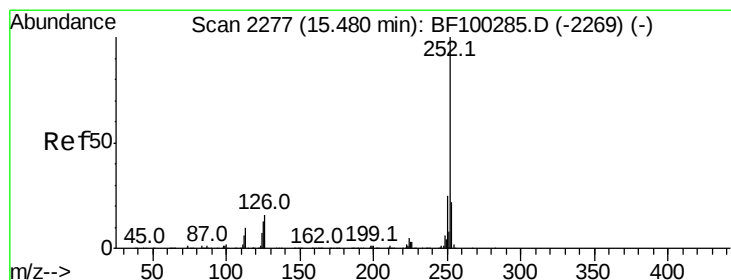
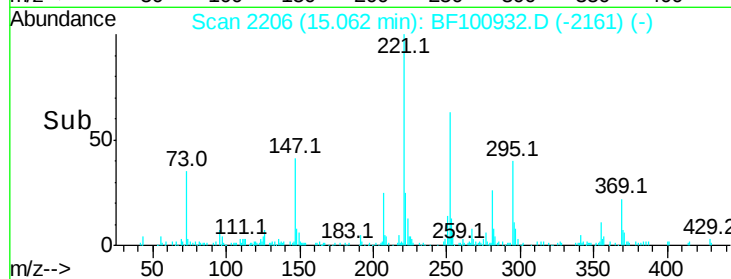
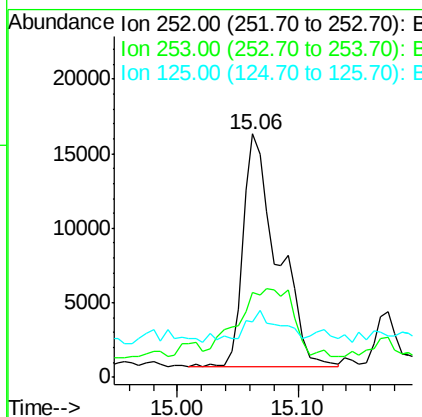
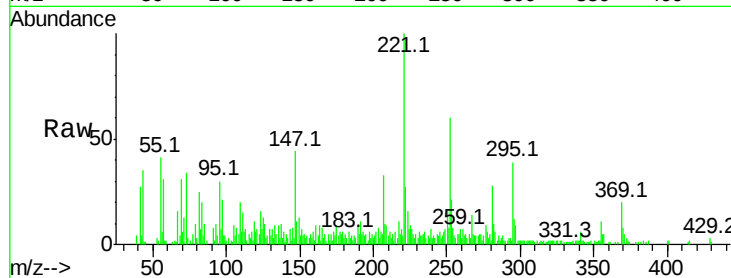




#88
Benzo(k)fluoranthene
Concen: 3.693 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.04 min
Lab File: BF100932.D
Acq: 28 Nov 2017 14:28

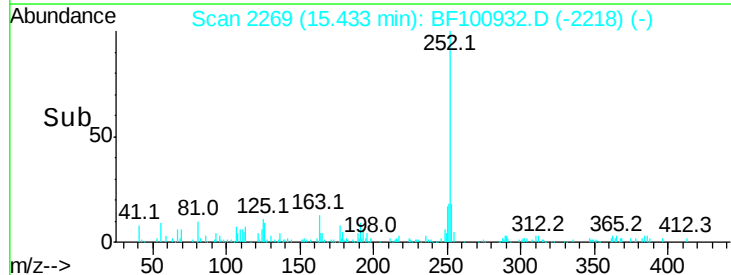
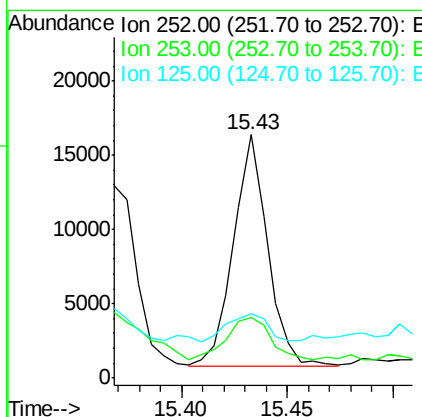
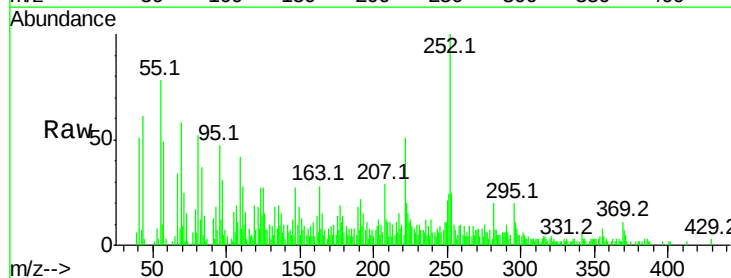
Instrument :
BNA_F
ClientSampleId :

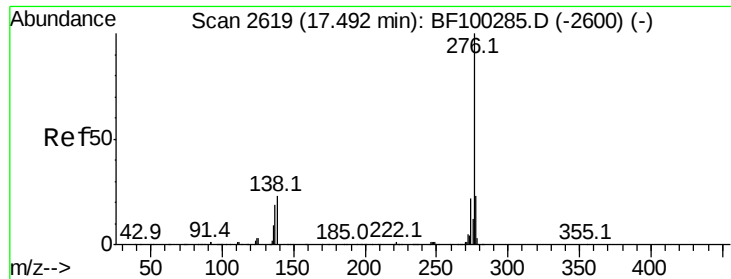
Tot Ion	Ratio	Lower	Upper
252	100		
253	34.9	17.9	26.9
125	22.5	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.202 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF100932.D
Acq: 28 Nov 2017 14:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	26.6	9.8	14.6

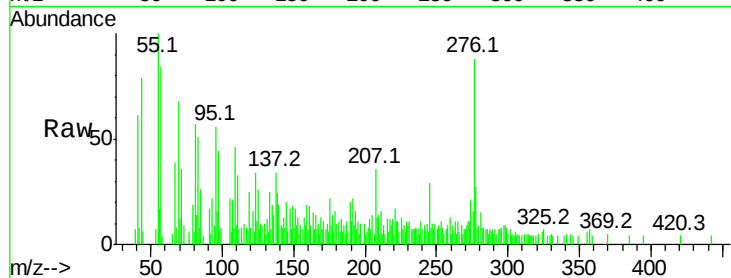




#91
 Benzo(a,h,i)perylene
 Concen: 2.389 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. 0.01 min
 Lab File: BF100932.D
 Acq: 28 Nov 2017 14:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	31.0	17.9	26.9
138	26.9	21.8	32.8



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

