

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111517\
 Data File : BF100590.D
 Acq On : 15 Nov 2017 16:11
 Operator : SJ/JU
 Sample : I6422-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 03:33:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 15 13:27:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	129864	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	487267	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	191601	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	285460	20.00	ng	0.00
75) Chrysene-d12	14.04	240	270930	20.00	ng	-0.01
86) Perylene-d12	15.52	264	252742	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	563352	69.54	ng	0.00
7) Phenol-d6	6.50	99	705877	70.66	ng	-0.01
23) Nitrobenzene-d5	7.45	82	440763	59.80	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	107304	54.96	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	795789	63.24	ng	0.00
78) Terphenyl-d14	12.99	244	523084	44.36	ng	0.00

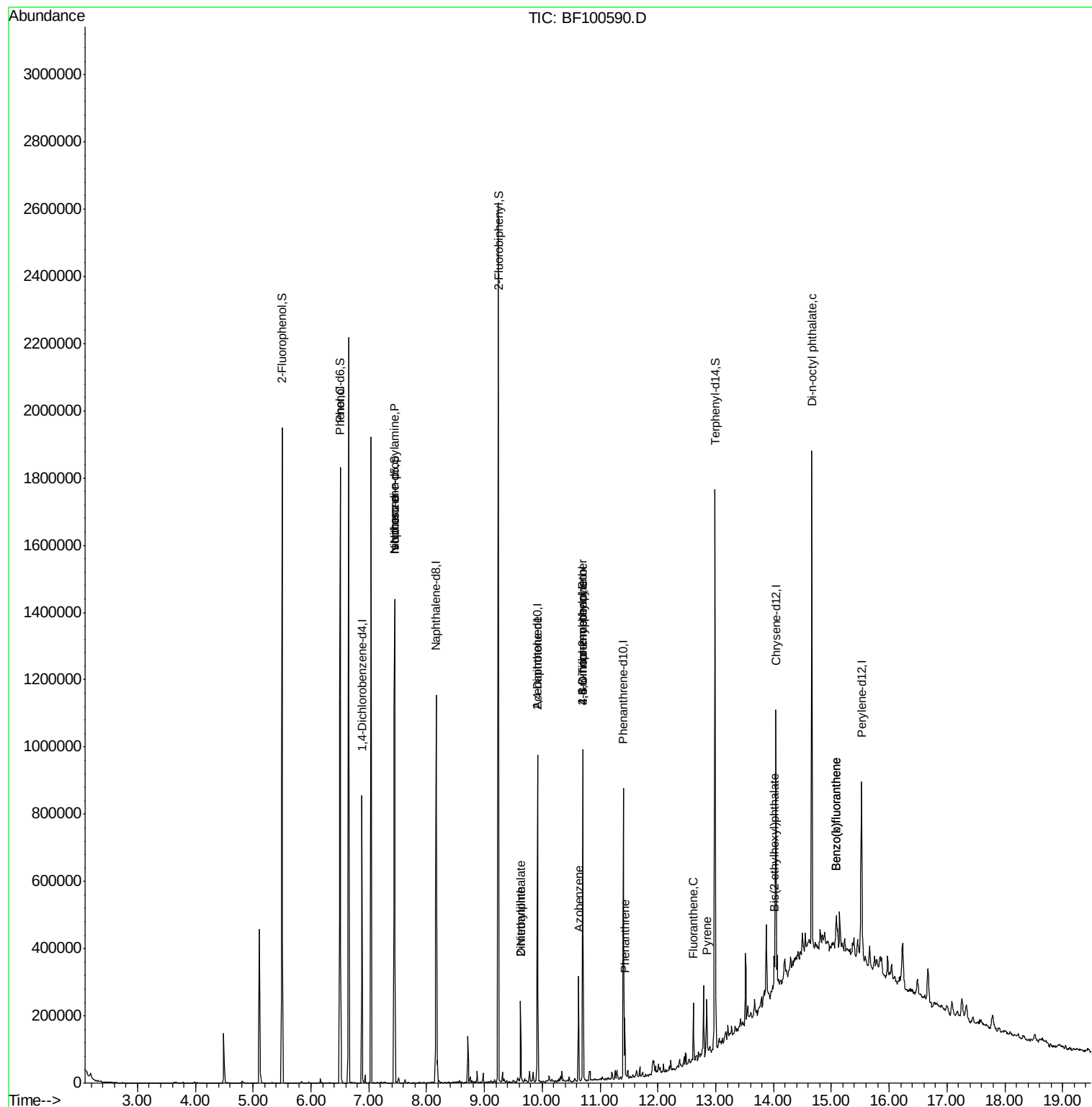
Target Compounds				Qvalue		
10) Phenol	6.52	94	36535	3.48	ng	95
19) n-Nitroso-di-n-propylamine	7.45	70	56282	8.12	ng	# 81
25) Isophorone	7.45	82	440609	28.45	ng	# 64
47) 2-Nitroaniline	9.63	65	799	3.00	ng	# 1
49) Dimethylphthalate	9.63	163	81234	5.55	ng	99
56) 2,4-Dinitrotoluene	9.92	165	24598	6.73	ng	# 23
62) Azobenzene	10.63	77	45757	3.32	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	107	8.63	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	6935	2.27	ng	# 1
70) Phenanthrene	11.43	178	59694	3.97	ng	98
74) Fluoranthene	12.62	202	61889	3.89	ng	97
77) Pyrene	12.84	202	57496	2.98	ng	97
83) Bis(2-ethylhexyl)phthalate	14.02	149	28718	2.77	ng	# 99
84) Di-n-octyl phthalate	14.66	149	136297	7.66	ng	# 47
87) Benzo(b)fluoranthene	15.08	252	53284	3.56	ng	# 70
88) Benzo(k)fluoranthene	15.08	252	53284	3.77	ng	# 74

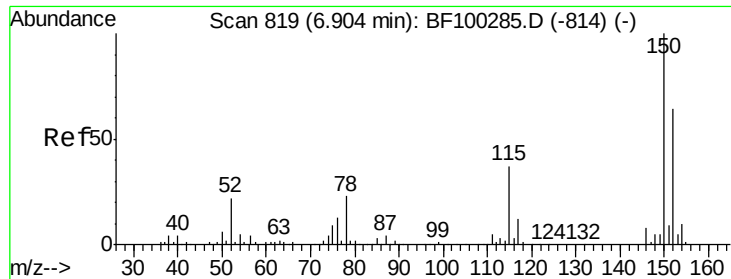
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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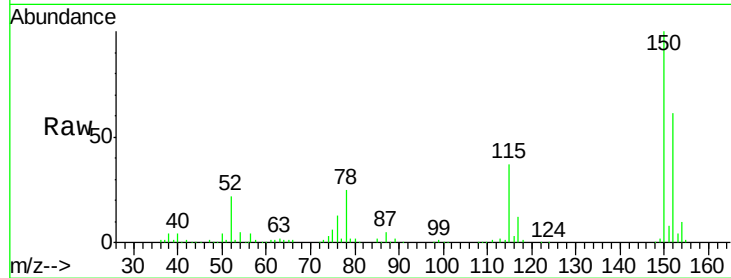


#1

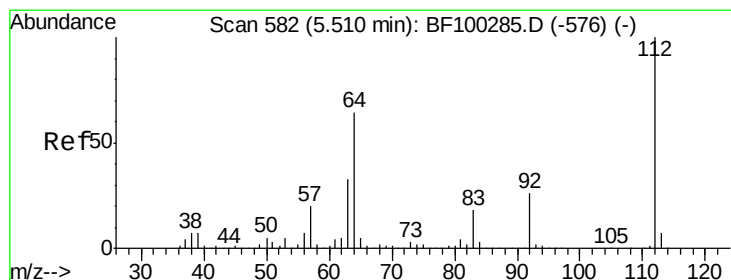
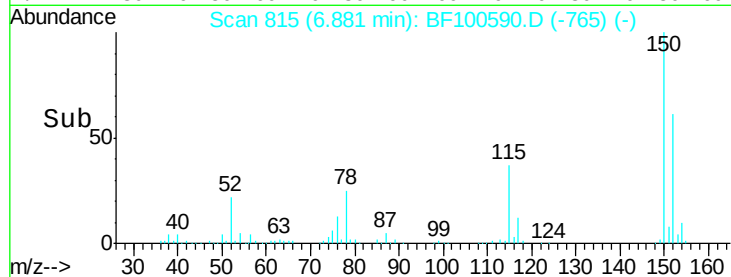
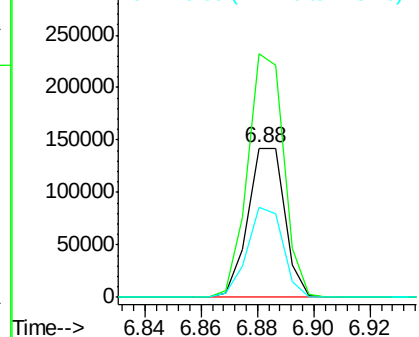
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF100590.D
 Acq: 15 Nov 2017 16:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.8	124.6	186.8
115	60.4	50.1	75.1



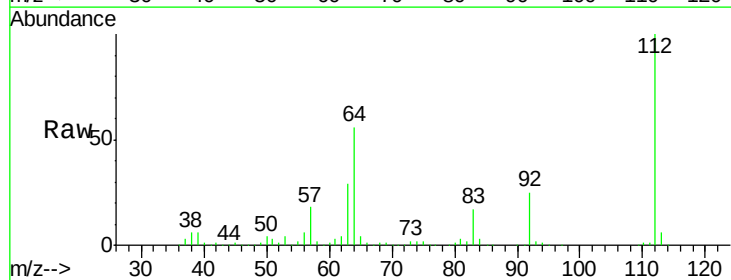
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



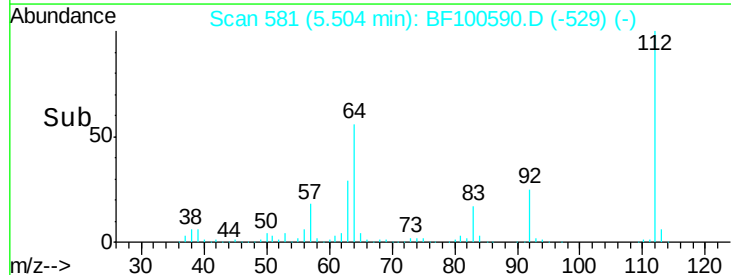
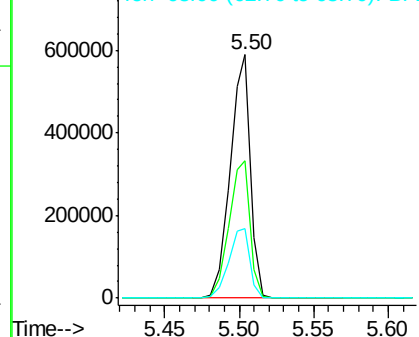
#5

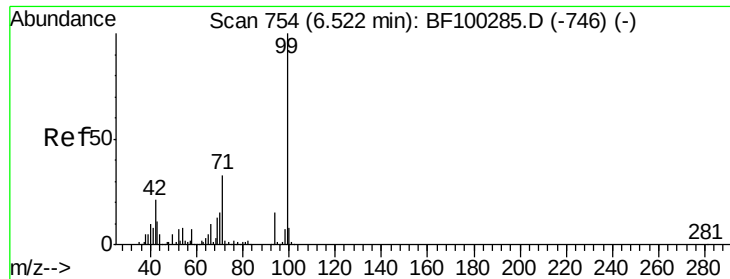
2-Fluorophenol
 Concen: 69.54 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: BF100590.D
 Acq: 15 Nov 2017 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.9	71.9
63	28.5	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: 70.66 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100590.D

Acq: 15 Nov 2017 16:11

Instrument :

BNA_F

ClientSampleId :

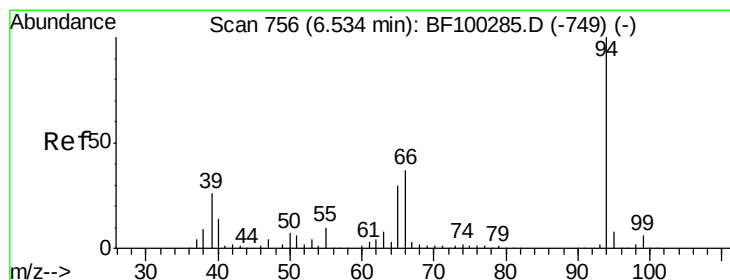
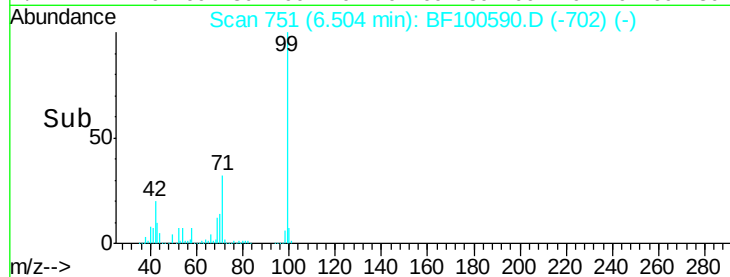
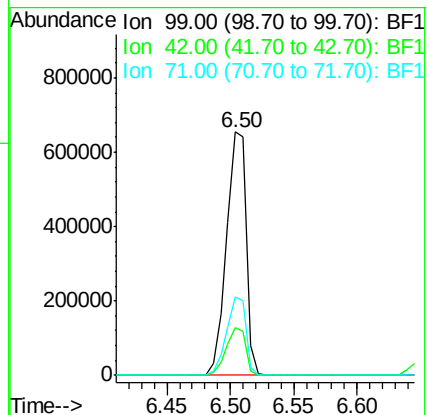
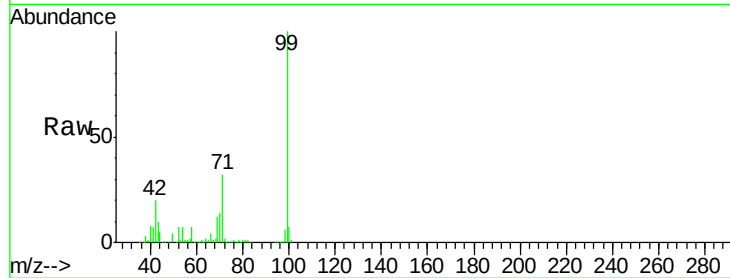
Tot Ion: 99 Resp: 705877

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

71 32.1 25.4 38.0



#10

Phenol

Concen: 3.48 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100590.D

Acq: 15 Nov 2017 16:11

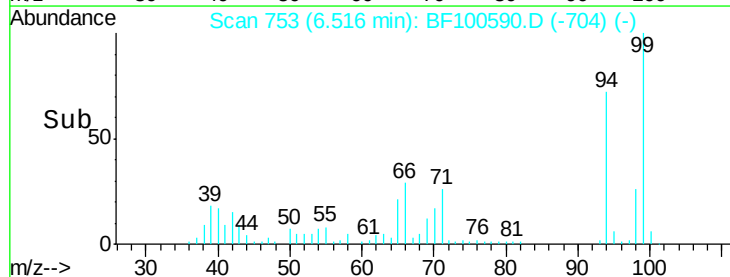
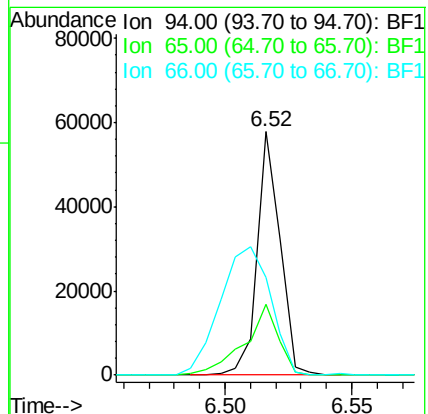
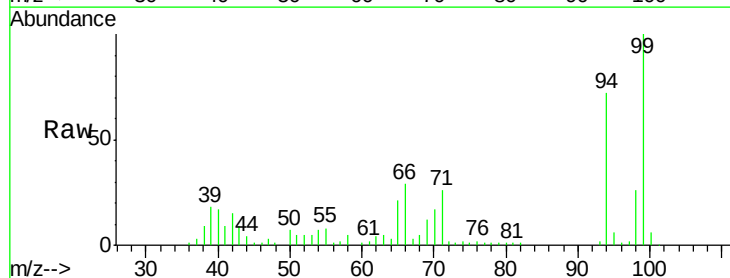
Tgt Ion: 94 Resp: 36535

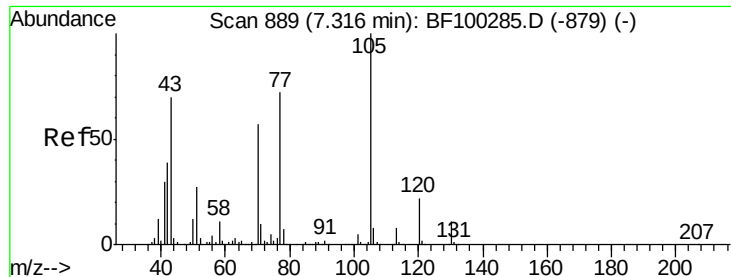
Ion Ratio Lower Upper

94 100

65 29.2 7.9 47.9

66 40.1 16.2 56.2

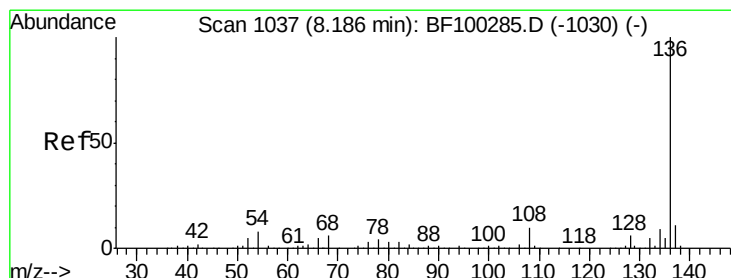
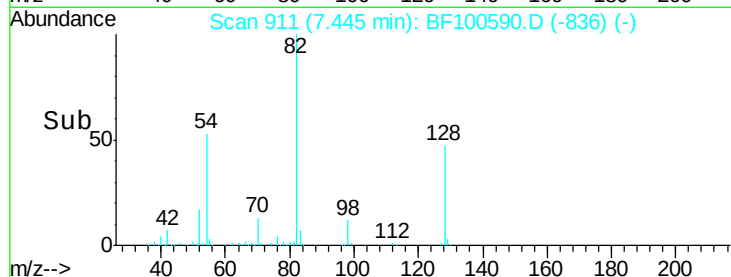
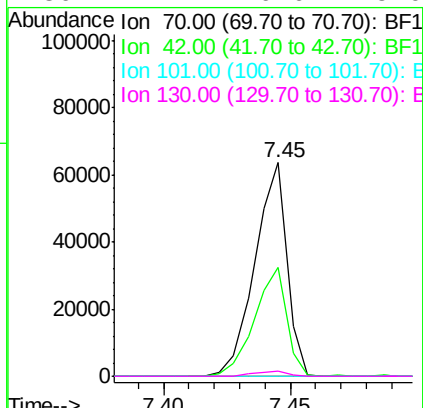
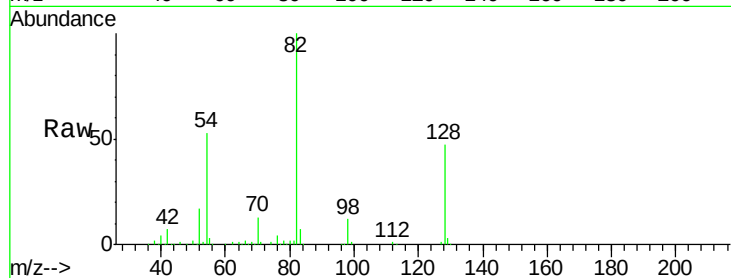




#19
n-Nitroso-di-n-propylamine
Concen: 8.12 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.14 min
Lab File: BF100590.D
Acq: 15 Nov 2017 16:11

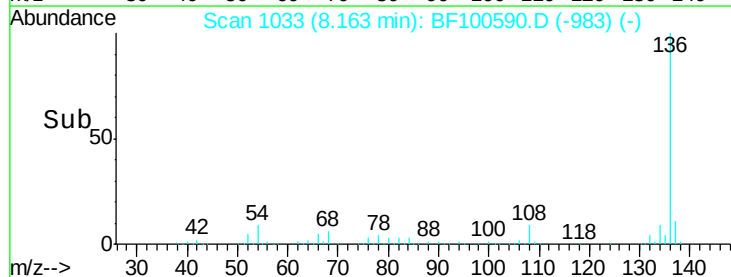
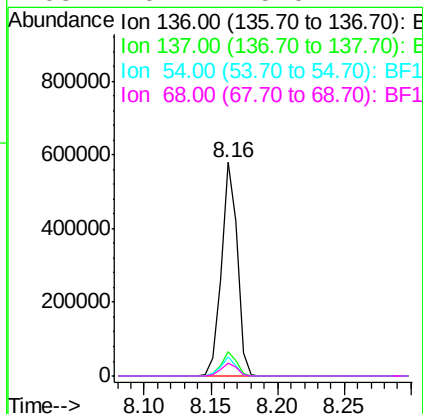
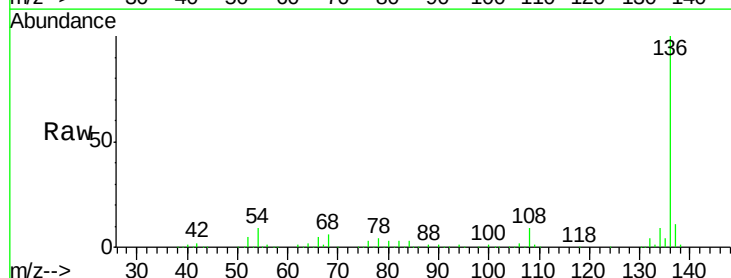
Instrument :
BNA_F
ClientSampleId :

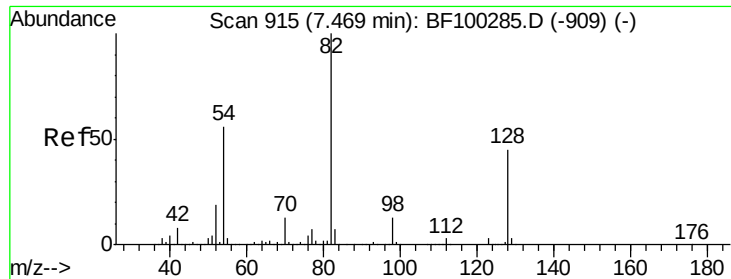
Tot Ion: 70 Resp: 56282
Ion Ratio Lower Upper
70 100
42 50.9 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100590.D
Acq: 15 Nov 2017 16:11

Tgt Ion: 136 Resp: 487267
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 8.9 6.6 9.8
68 6.2 5.0 7.4

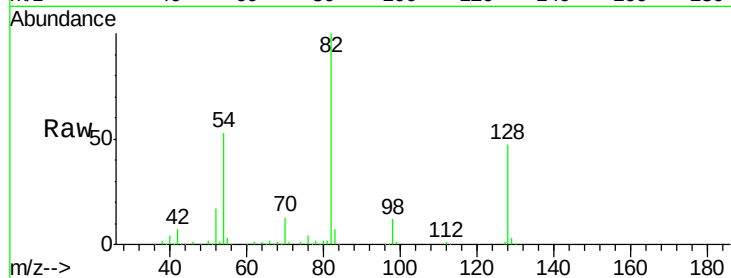




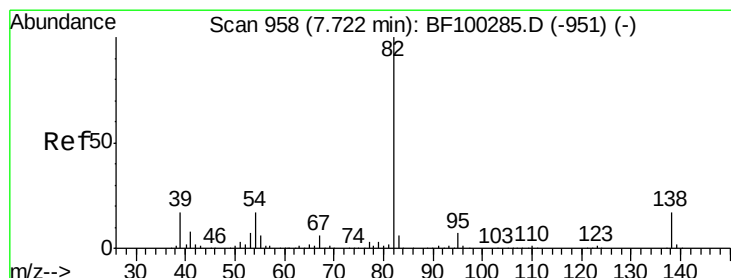
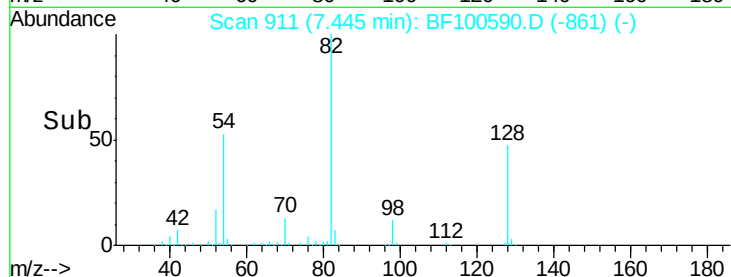
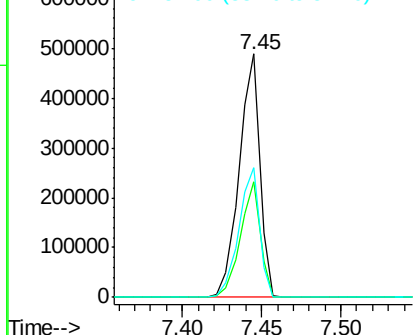
#23
 Nitrobenzene-d5
 Concen: 59.80 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF100590.D
 Acq: 15 Nov 2017 16:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 440763
 Ion Ratio Lower Upper
 82 100
 128 47.5 36.1 54.1
 54 53.2 41.4 62.2

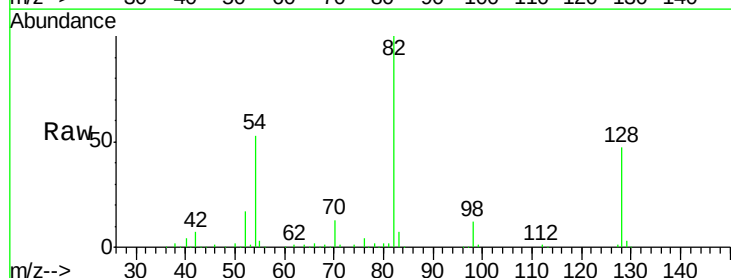


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

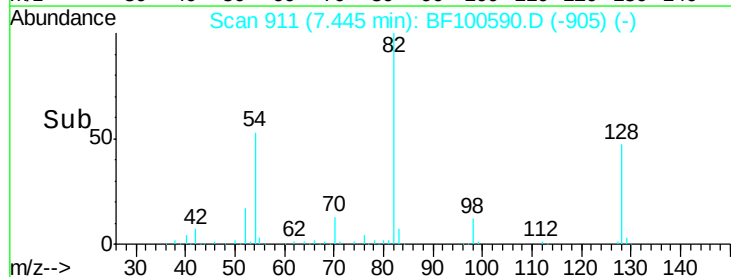
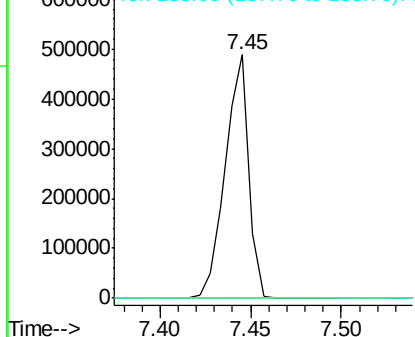


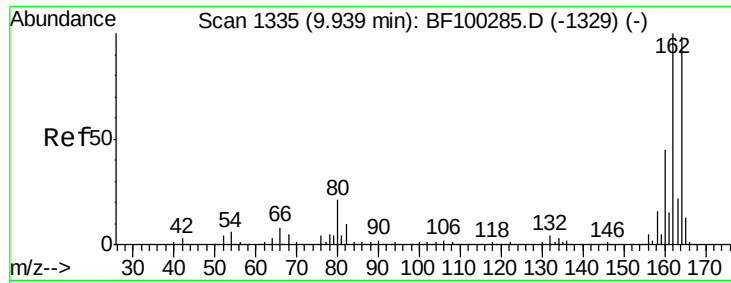
#25
 Isophorone
 Concen: 28.45 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.26 min
 Lab File: BF100590.D
 Acq: 15 Nov 2017 16:11

Tgt Ion: 82 Resp: 440609
 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

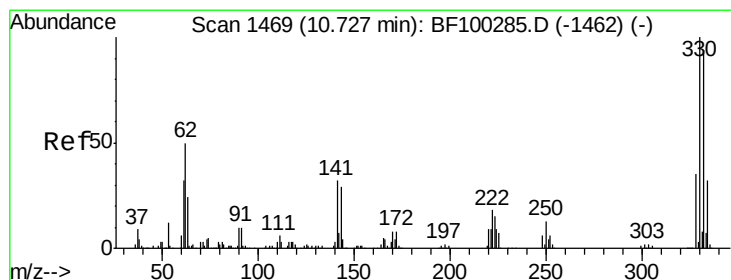
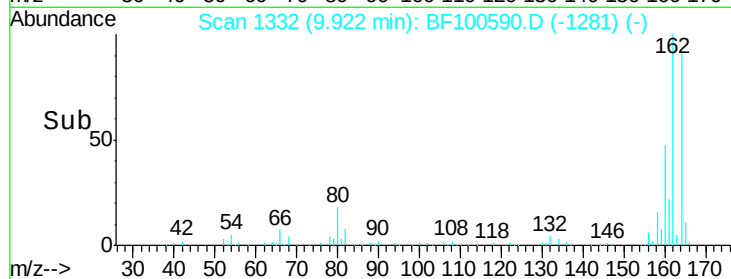
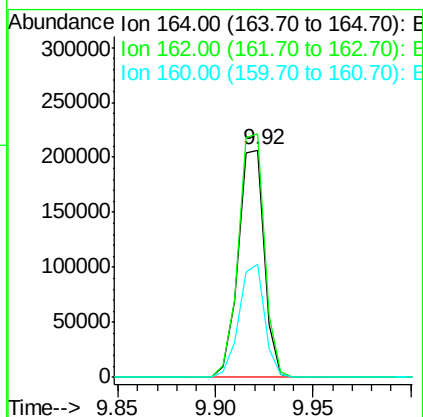
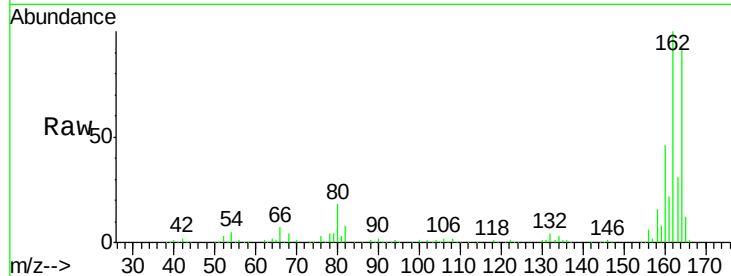




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: BF100590.D
 Acq: 15 Nov 2017 16:11

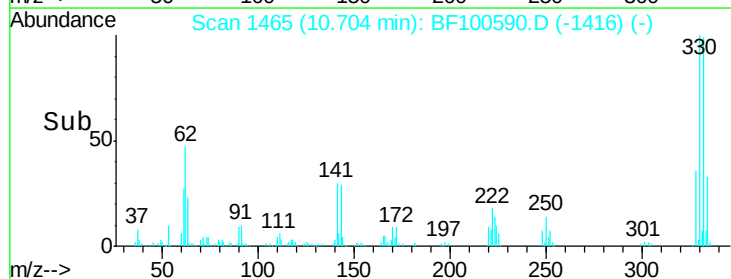
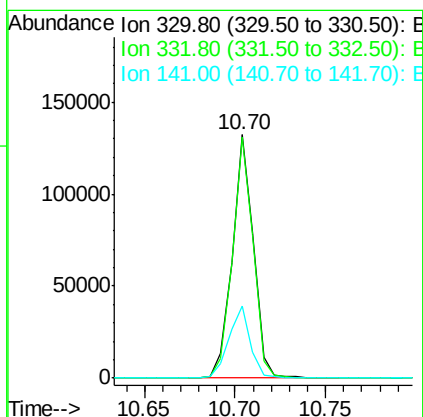
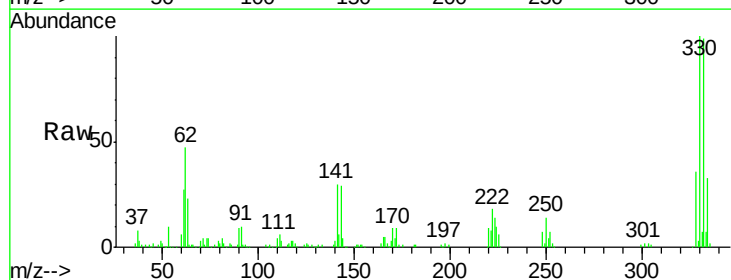
Instrument :
 BNA_F
 ClientSampled :

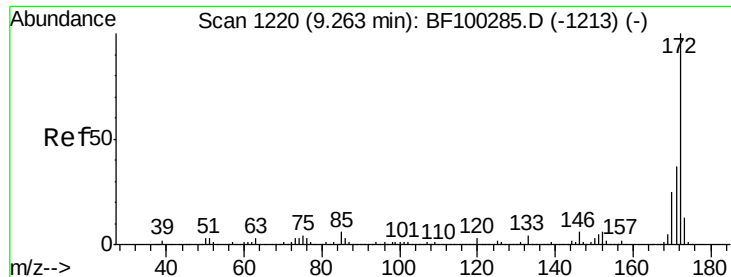
Tot Ion:164 Resp: 191601
 Ion Ratio Lower Upper
 164 100
 162 107.0 86.1 129.1
 160 49.7 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 54.96 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100590.D
 Acq: 15 Nov 2017 16:11

Tgt Ion:330 Resp: 107304
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.0 115.6
 141 29.7 29.9 44.9#

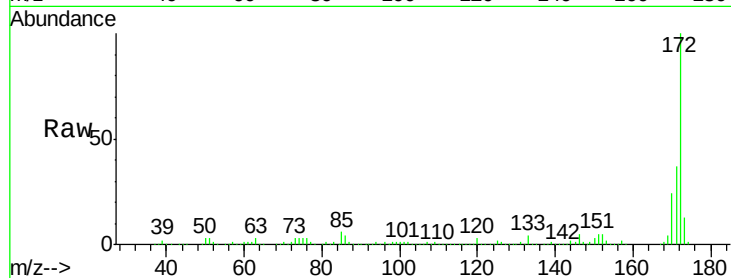




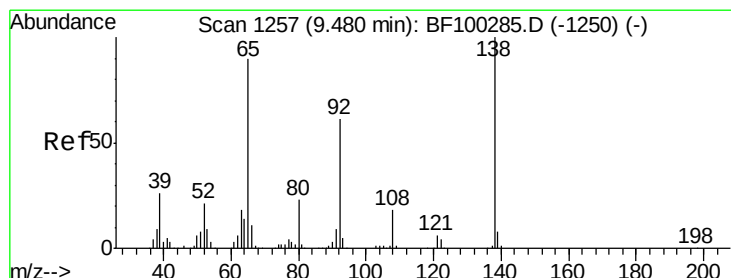
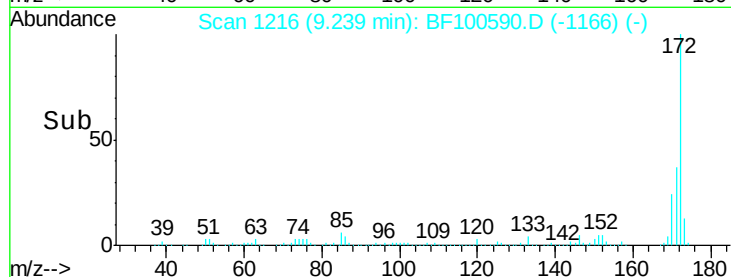
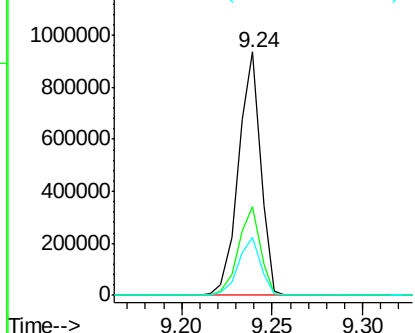
#44
2-Fluorobiphenyl
Concen: 63.24 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF100590.D
Acq: 15 Nov 2017 16:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 795789
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 24.0 19.6 29.4

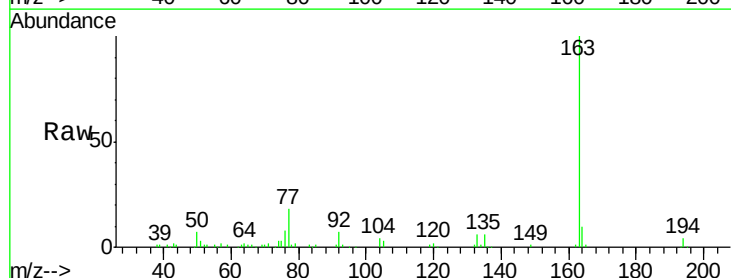


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

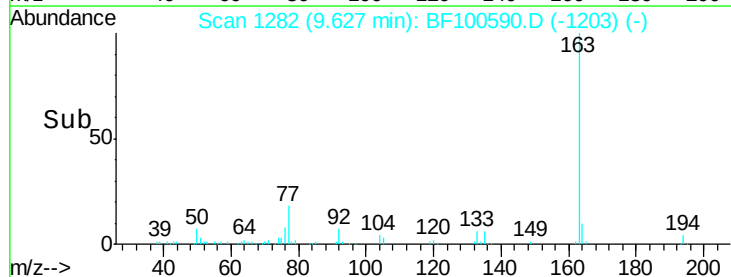
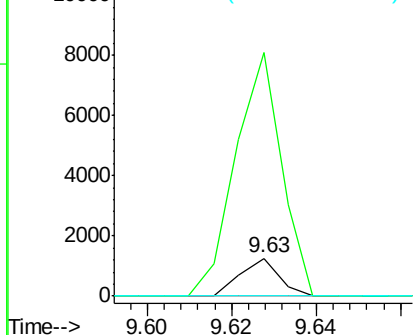


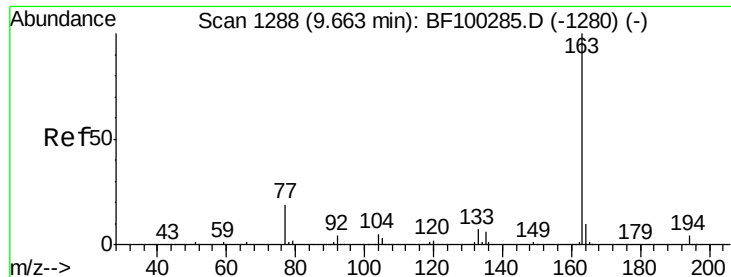
#47
2-Nitroaniline
Concen: 3.00 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.16 min
Lab File: BF100590.D
Acq: 15 Nov 2017 16:11

Tgt Ion: 65 Resp: 799
Ion Ratio Lower Upper
65 100
92 642.6 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

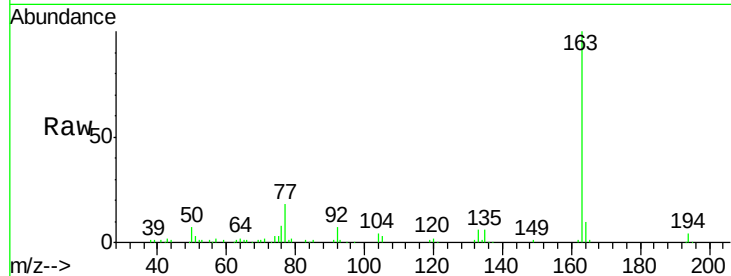




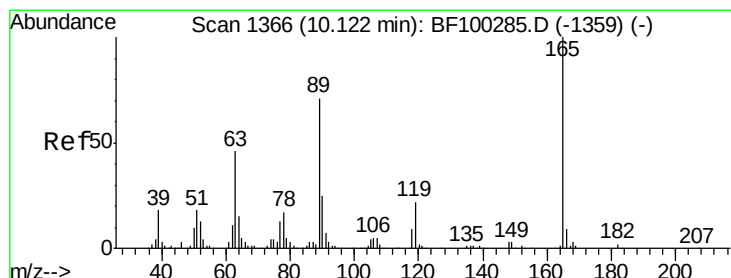
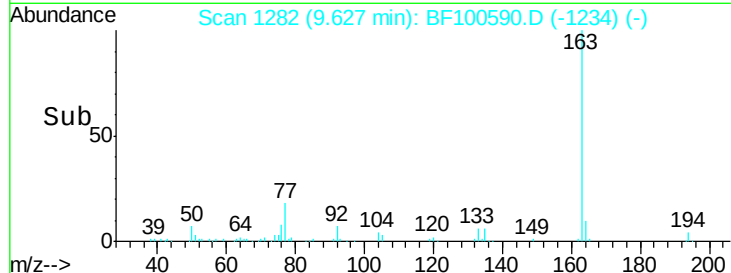
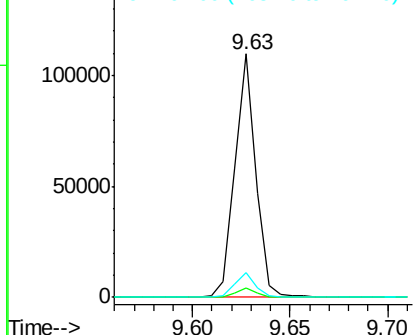
#49
Dimethylphthalate
Concen: 5.55 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF100590.D
Acq: 15 Nov 2017 16:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 81234
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.3 8.2 12.2

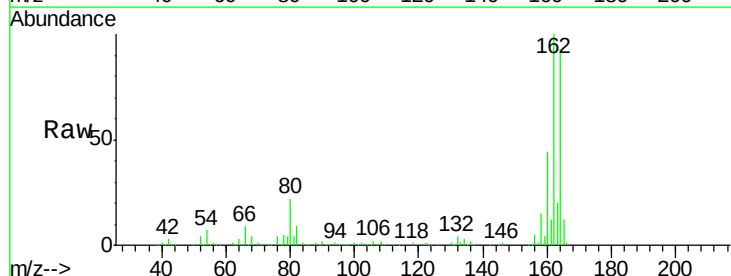


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

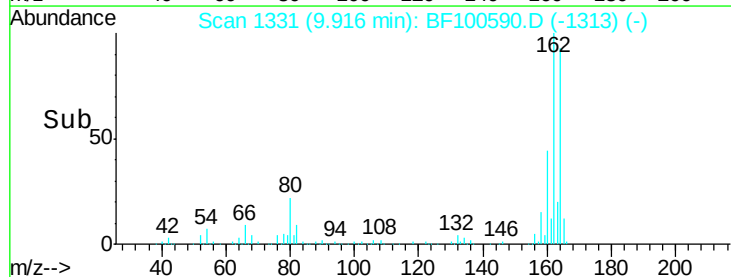
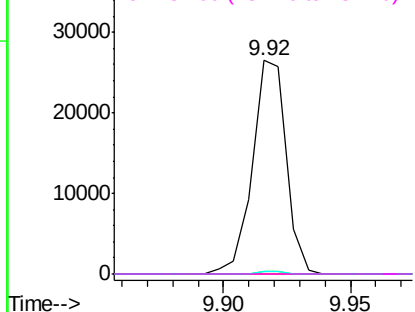


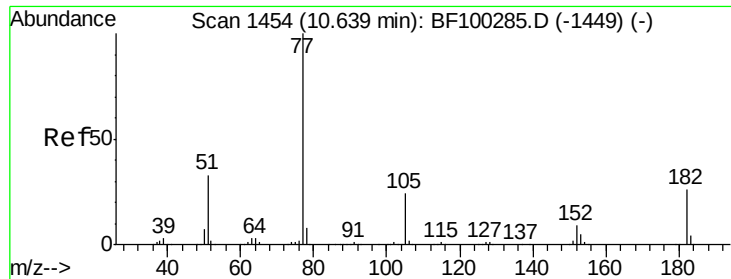
#56
2,4-Dinitrotoluene
Concen: 6.73 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF100590.D
Acq: 15 Nov 2017 16:11

Tgt Ion:165 Resp: 24598
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.2 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: 3.32 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

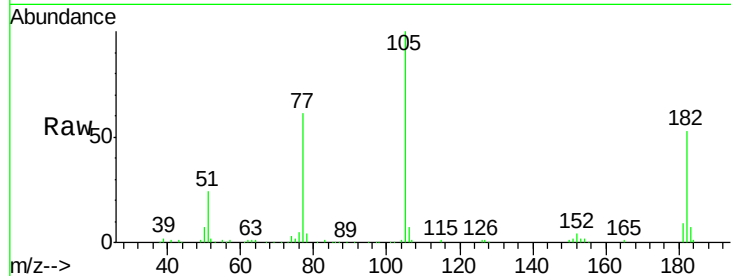
Lab File: BF100590.D

Acq: 15 Nov 2017 16:11

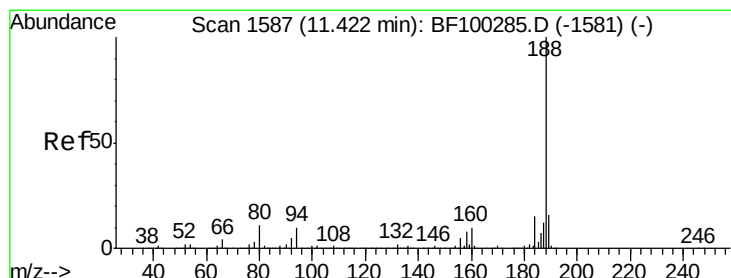
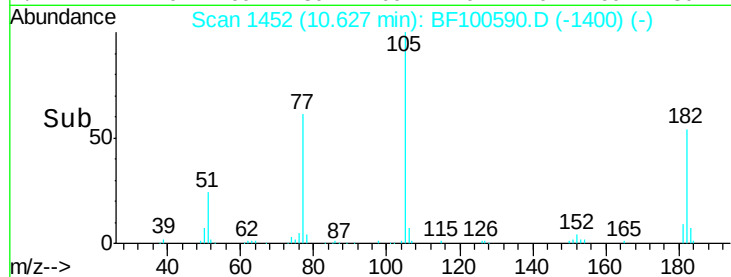
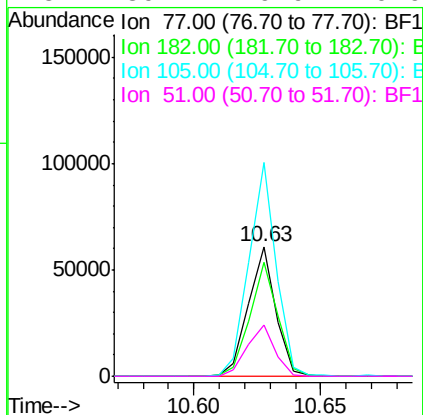
Instrument :

BNA_F

ClientSampleId :



Tot Ion:	77	Resp:	45757
Ion	Ratio	Lower	Upper
77	100		
182	88.0	1.7	41.7#
105	164.6	3.0	43.0#
51	39.1	9.9	49.9



#63

Phenanthrene-d10

Concen: 20.00 ng

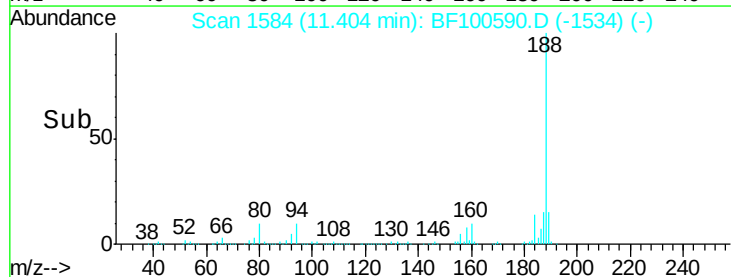
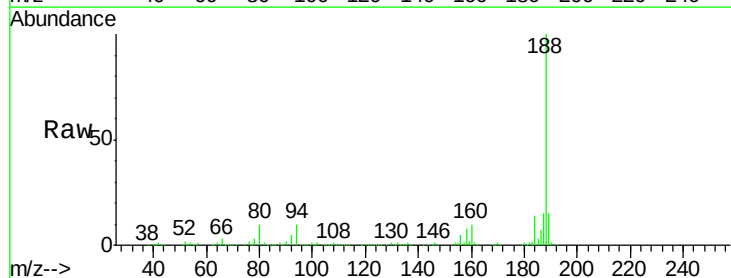
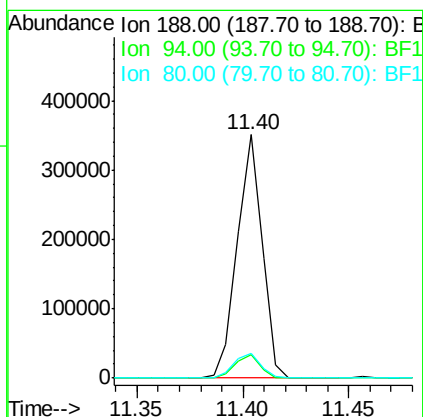
RT: 11.40 min Scan# 1584

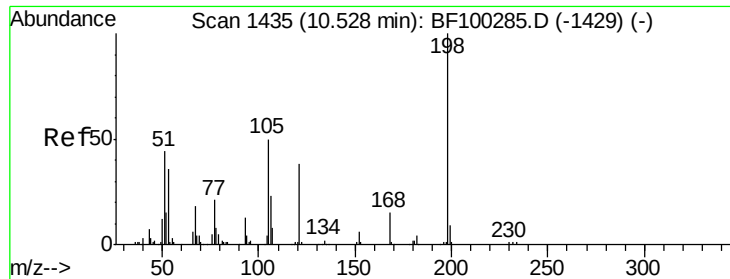
Delta R.T. -0.01 min

Lab File: BF100590.D

Acq: 15 Nov 2017 16:11

Tgt Ion:	188	Resp:	285460
Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.0	9.2	13.8

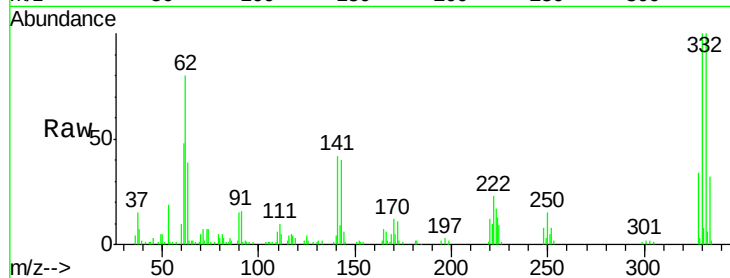




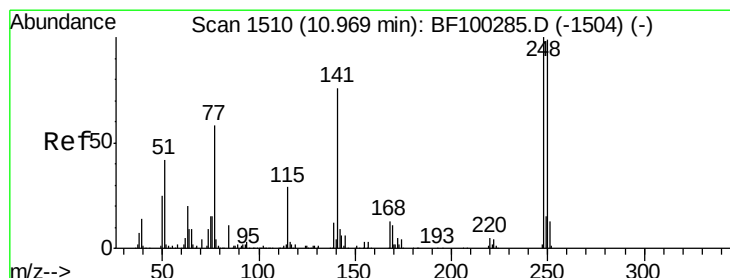
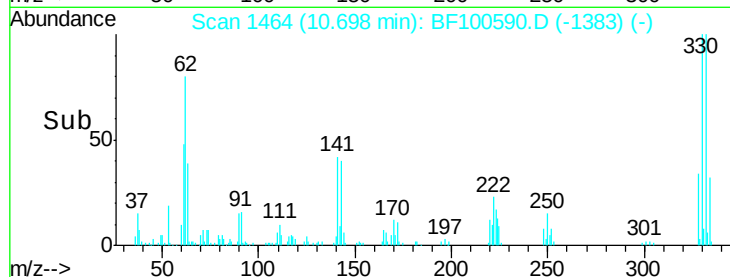
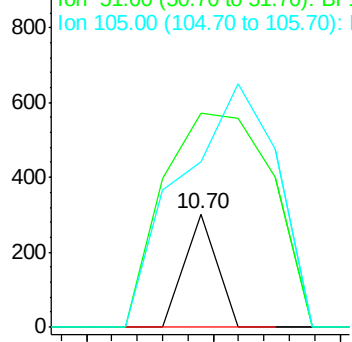
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.63 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.18 min
 Lab File: BF100590.D
 Acq: 15 Nov 2017 16:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 107
 Ion Ratio Lower Upper
 198 100
 51 188.7 37.7 77.7#
 105 146.4 36.3 76.3#

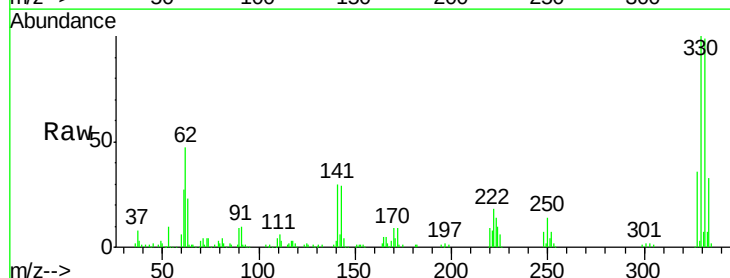


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

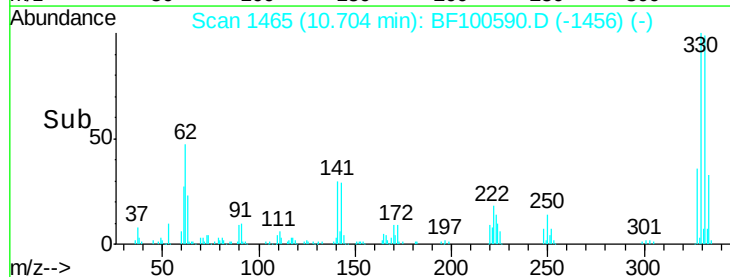
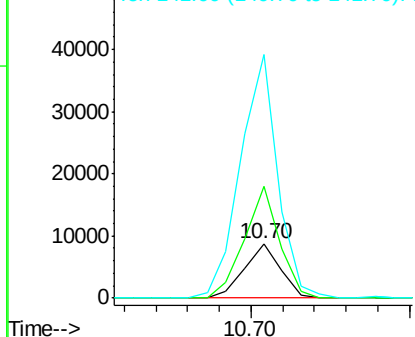


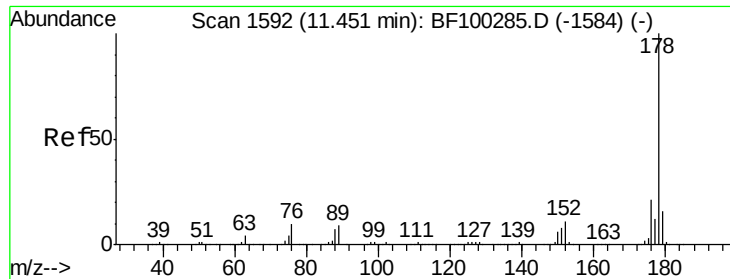
#66
 4-Bromophenyl-phenylether
 Concen: 2.27 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF100590.D
 Acq: 15 Nov 2017 16:11

Tgt Ion:248 Resp: 6935
 Ion Ratio Lower Upper
 248 100
 250 202.8 76.9 115.3#
 141 444.3 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: 3.97 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF100590.D

Acq: 15 Nov 2017 16:11

Instrument :

BNA_F

ClientSampled :

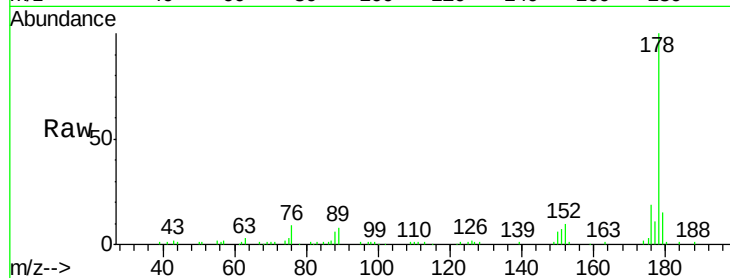
Tot Ion:178 Resp: 59694

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

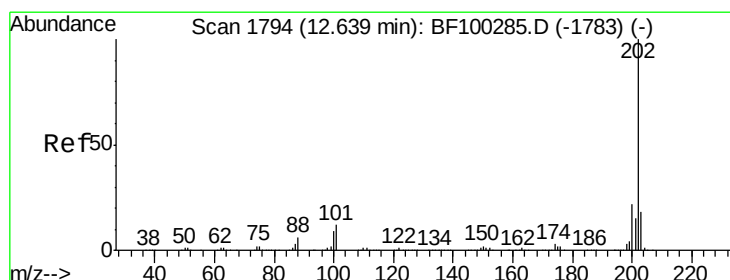
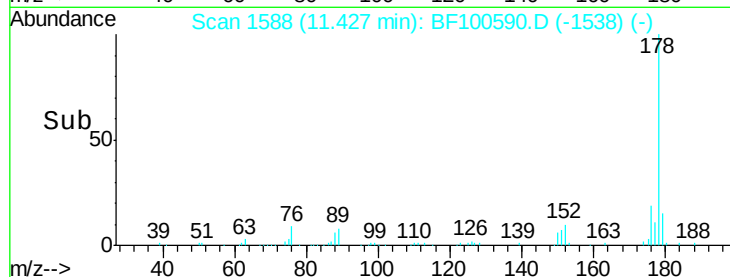
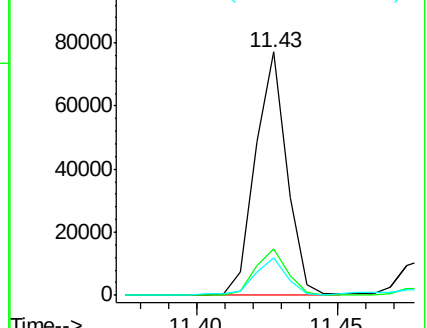
179 15.5 13.0 19.6



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: 3.89 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF100590.D

Acq: 15 Nov 2017 16:11

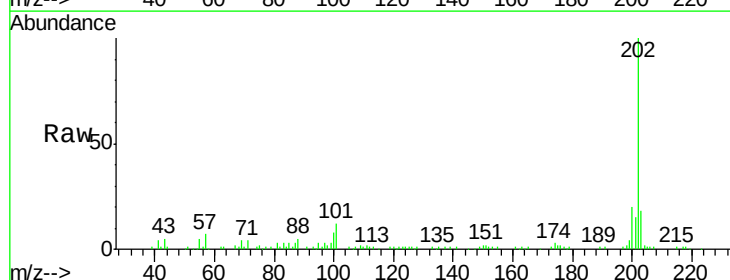
Tgt Ion:202 Resp: 61889

Ion Ratio Lower Upper

202 100

101 11.8 0.0 34.1

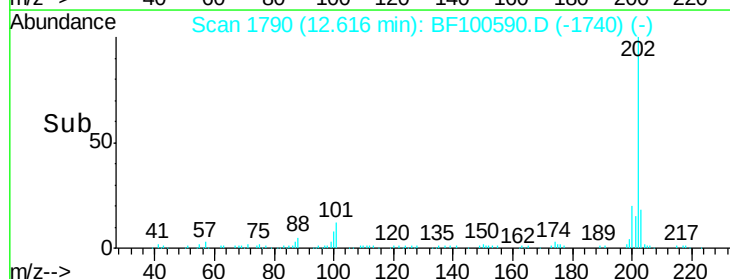
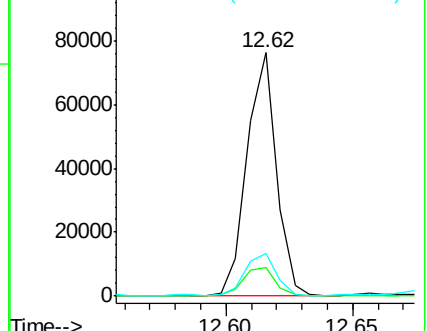
203 17.5 0.0 38.1

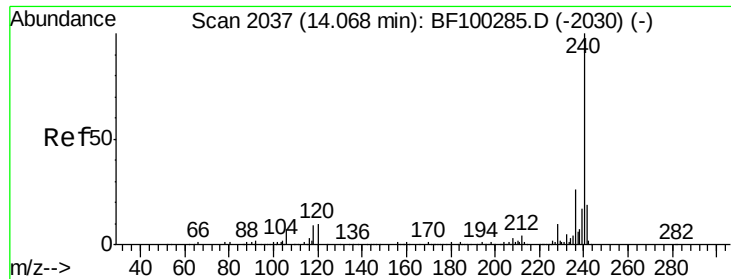


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100590.D

Acq: 15 Nov 2017 16:11

Instrument :

BNA_F

ClientSampleId :

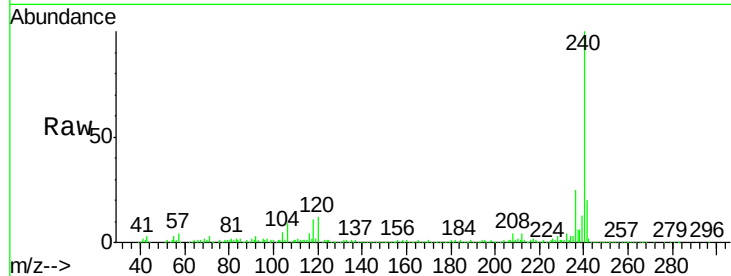
Tot Ion:240 Resp: 270930

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

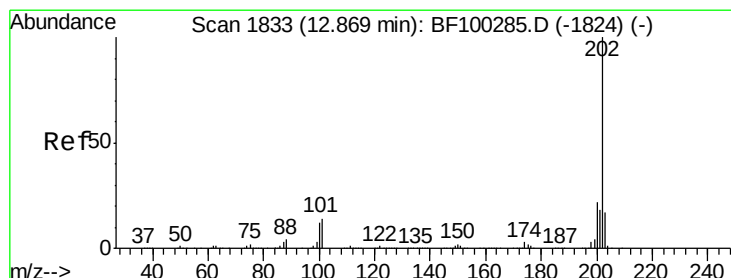
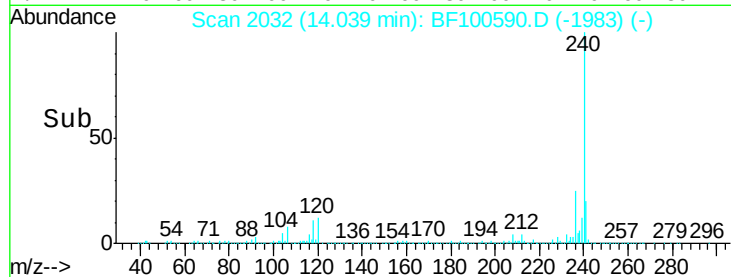
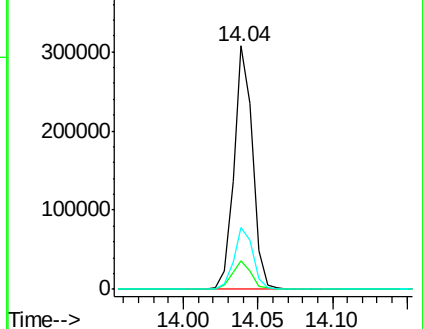
236 25.3 20.7 31.1



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



#77

Pyrene

Concen: 2.98 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF100590.D

Acq: 15 Nov 2017 16:11

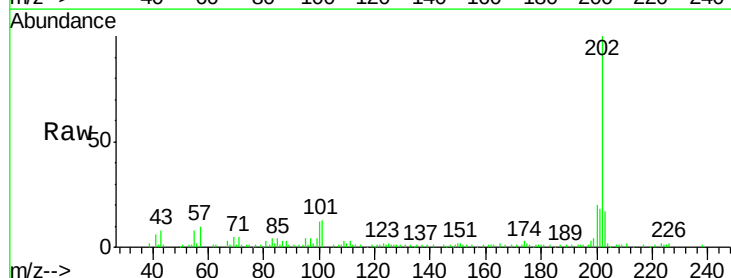
Tgt Ion:202 Resp: 57496

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

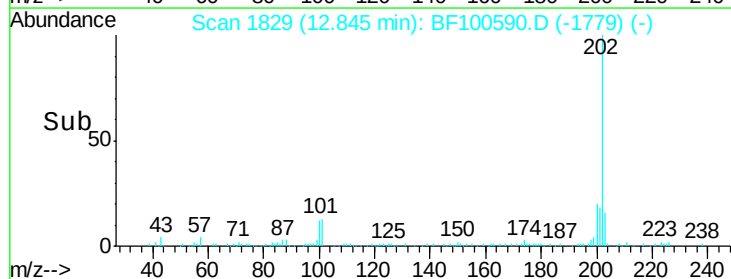
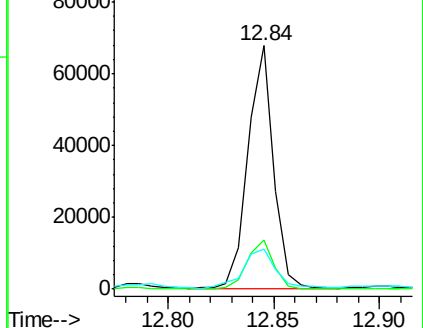
203 16.7 14.3 21.5

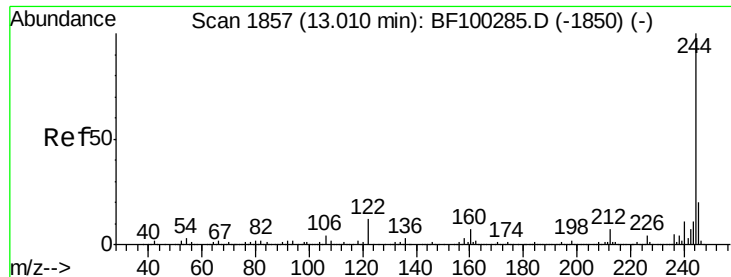


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

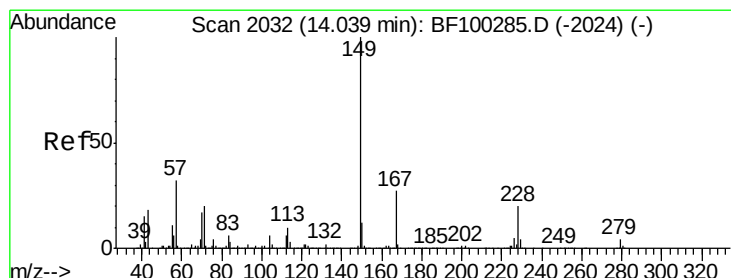
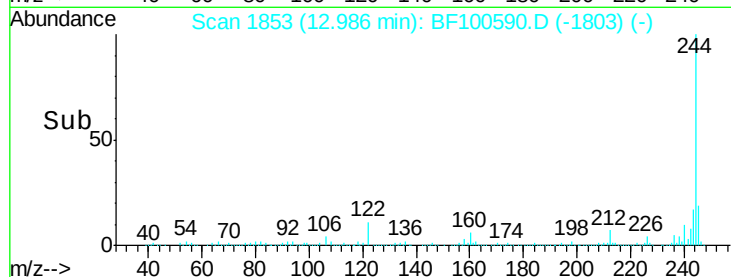
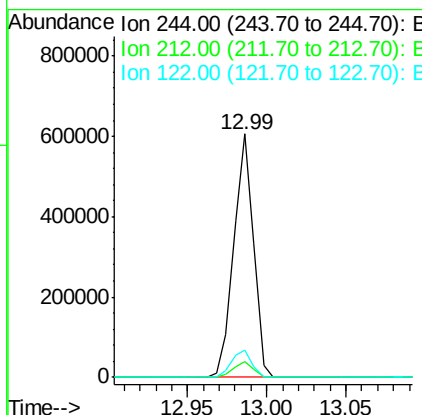
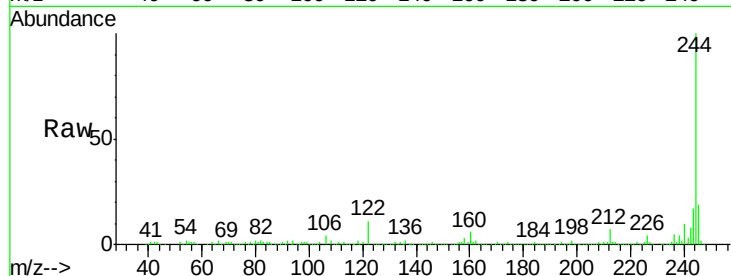




#78
 Terphenyl-d14
 Concen: 44.36 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BF100590.D
 Acq: 15 Nov 2017 16:11

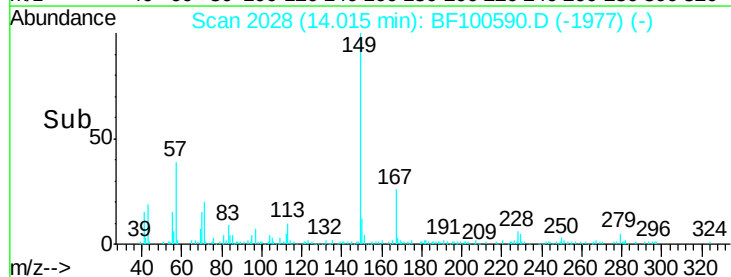
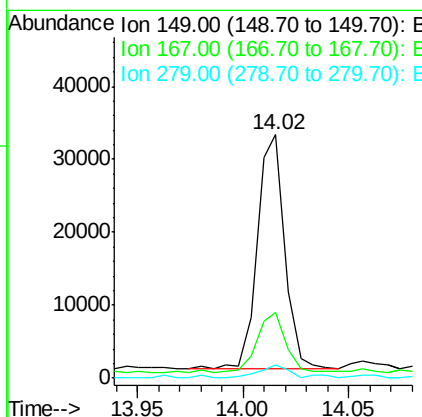
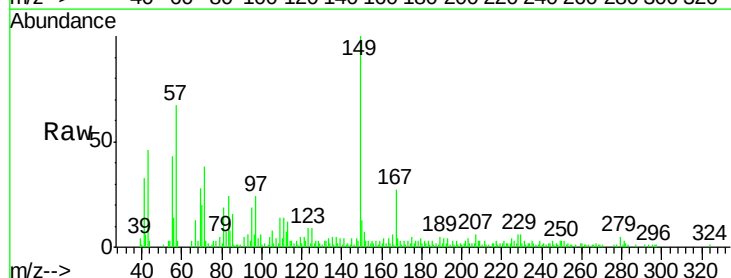
Instrument :
 BNA_F
 ClientSampleId :

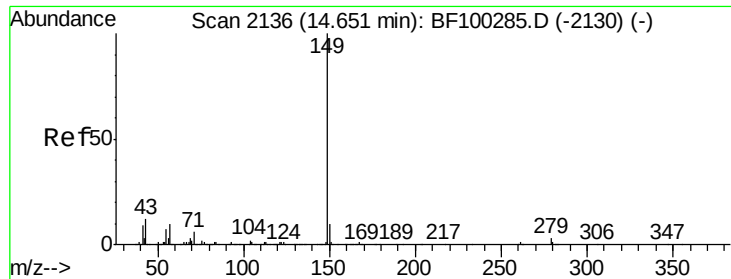
Tot Ion:244 Resp: 523084
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.2 11.0 16.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.77 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF100590.D
 Acq: 15 Nov 2017 16:11

Tgt Ion:149 Resp: 28718
 Ion Ratio Lower Upper
 149 100
 167 27.1 21.3 31.9
 279 5.3 3.0 4.4#

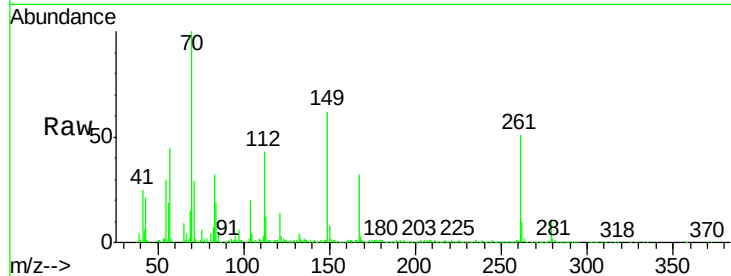




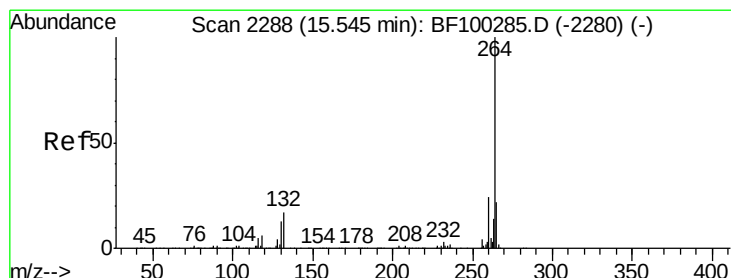
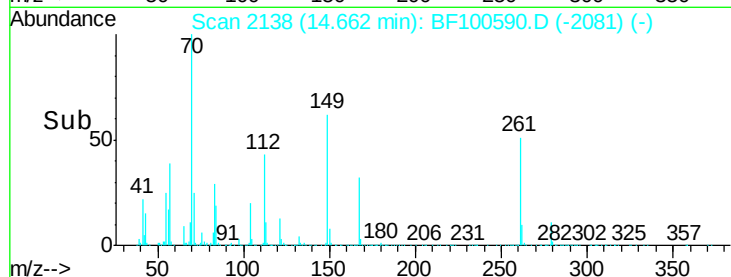
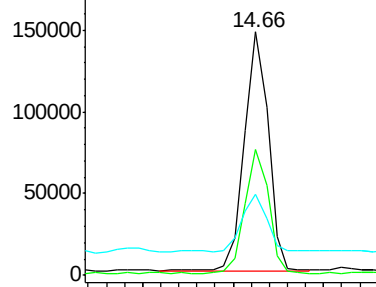
#84
Di-n-octyl phthalate
Concen: 7.66 ng
RT: 14.66 min Scan# 2138
Delta R.T. 0.04 min
Lab File: BF100590.D
Acq: 15 Nov 2017 16:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	50.9	1.2	1.8#
43	26.3	8.4	12.6#

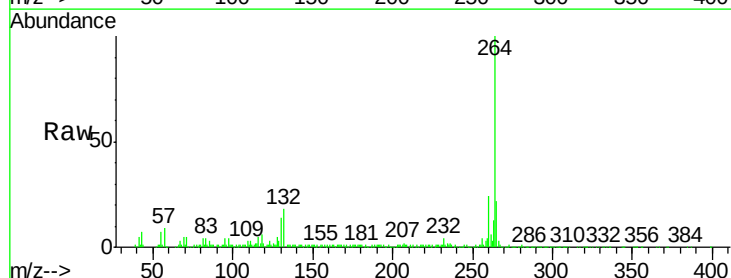


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

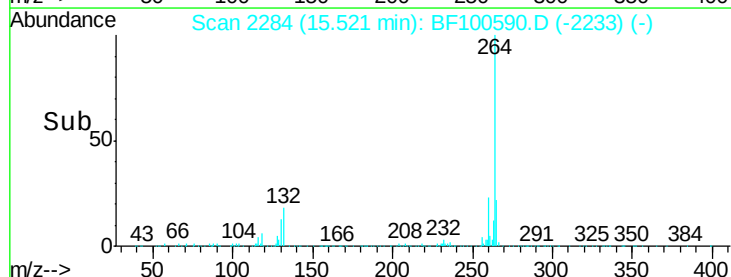
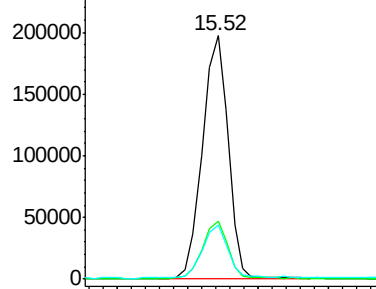


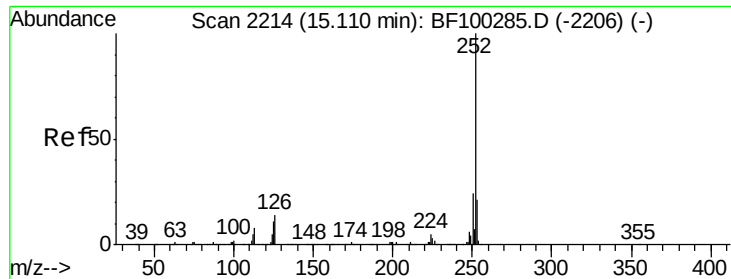
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BF100590.D
Acq: 15 Nov 2017 16:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.1	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

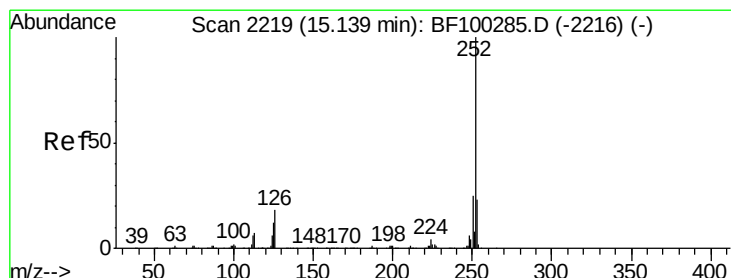
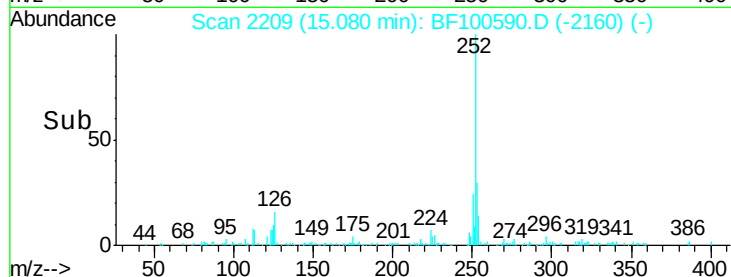
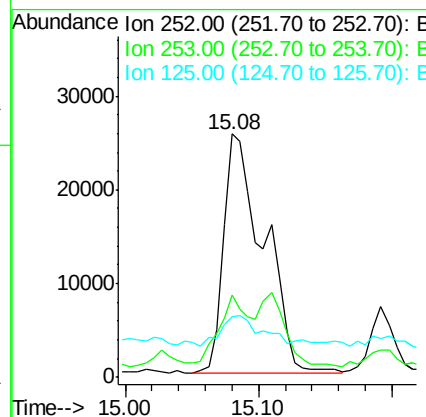
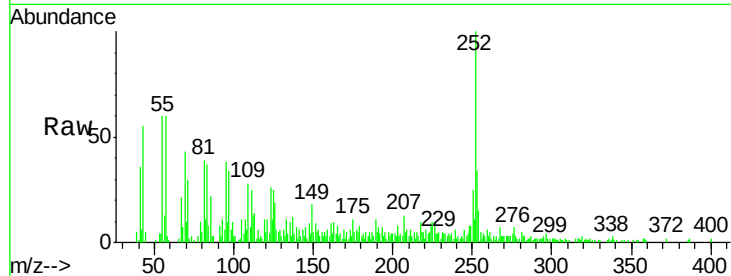




#87
Benzo(b)fluoranthene
Concen: 3.56 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF100590.D
Acq: 15 Nov 2017 16:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.9	17.0	25.6#
125	24.7	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 3.77 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF100590.D
Acq: 15 Nov 2017 16:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.9	17.9	26.9#
125	24.7	10.2	15.2#

