

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
 Data File : BF100934.D
 Acq On : 28 Nov 2017 15:22
 Operator : SJ/JU
 Sample : I6578-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 00:36:56 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	68380	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	245402	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	101353	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	155854	20.00	ng	0.00
75) Chrysene-d12	14.02	240	150587	20.00	ng	0.00
86) Perylene-d12	15.49	264	162372	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	382987	89.78	ng	0.00
7) Phenol-d6	6.49	99	446521	84.89	ng	0.00
23) Nitrobenzene-d5	7.42	82	271757	73.21	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	97884	94.78	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	569027	85.49	ng	0.00
78) Terphenyl-d14	12.96	244	406379	62.01	ng	0.00

Target Compounds

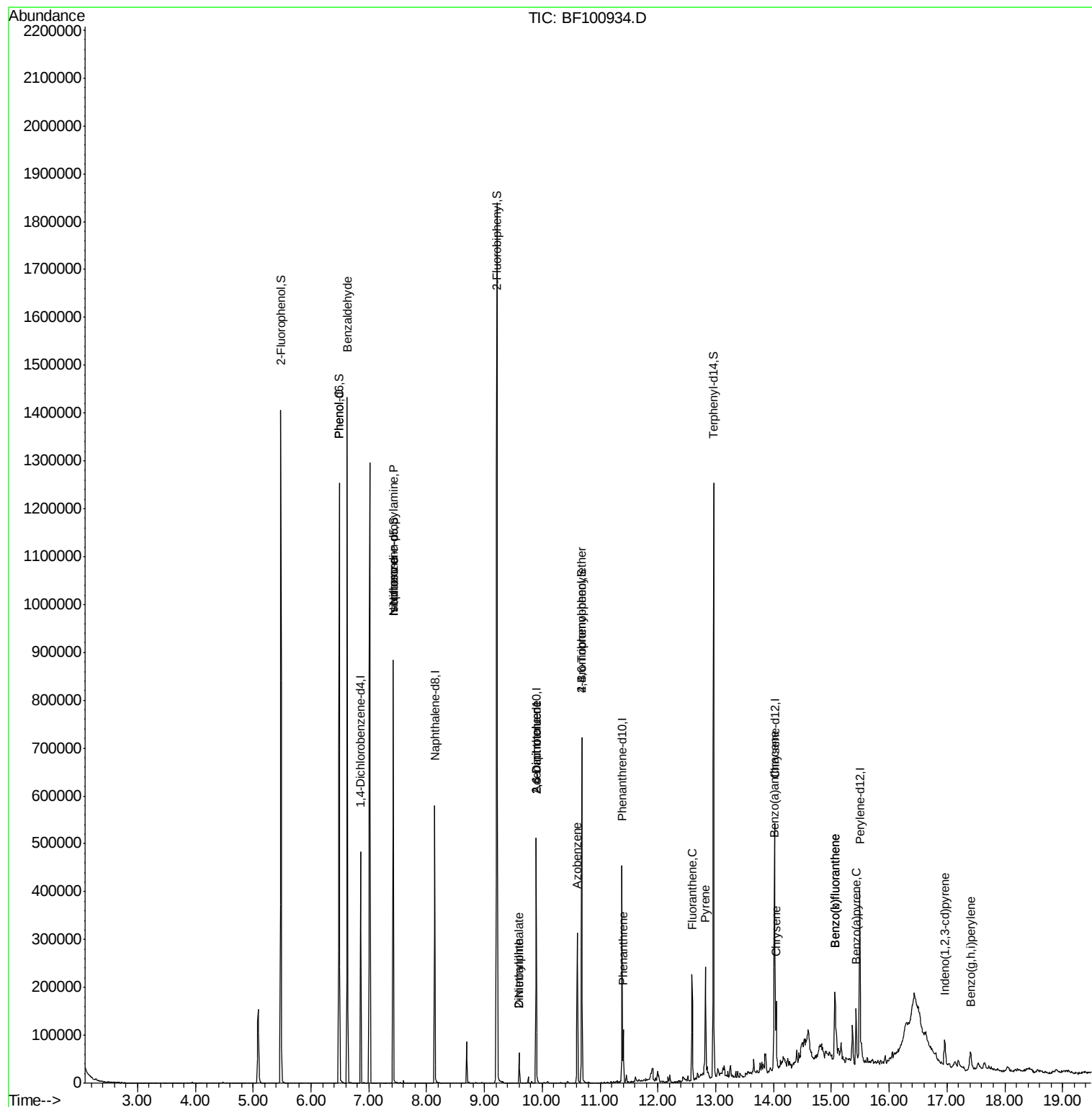
						Qvalue
9) Benzaldehyde	6.63	77	8633	2.298	ng	85
10) Phenol	6.50	94	11331	2.052	ng	77
19) n-Nitroso-di-n-propylamine	7.42	70	34772	9.532	ng	# 83
25) Isophorone	7.42	82	271753	34.840	ng	# 64
47) 2-Nitroaniline	9.60	65	122	2.845	ng	# 1
49) Dimethylphthalate	9.60	163	23600	3.050	ng	# 99
50) 2,6-Dinitrotoluene	9.89	165	12806	8.360	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	12806	6.627	ng	# 21
62) Azobenzene	10.60	77	50913	6.980	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	5872	3.515	ng	# 1
70) Phenanthrene	11.40	178	39249	4.783	ng	97
74) Fluoranthene	12.59	202	87347	10.044	ng	95
77) Pvrene	12.82	202	88945	8.286	ng	98
80) Benzo(a)anthracene	14.01	228	52085	5.744	ng	96
82) Chrysene	14.04	228	51279	5.839	ng	95
85) Indeno(1,2,3-cd)pyrene	16.96	276	35055	4.935	ng	# 88
87) Benzo(b)fluoranthene	15.06	252	100713	10.469	ng	97
88) Benzo(k)fluoranthene	15.06	252	100713	11.080	ng	97
89) Benzo(a)pvrene	15.43	252	53695	6.296	ng	97
91) Benzo(a,h,i)perylene	17.41	276	31989	4.686	ng	# 93

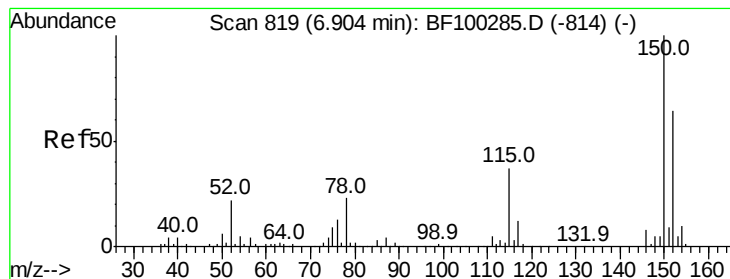
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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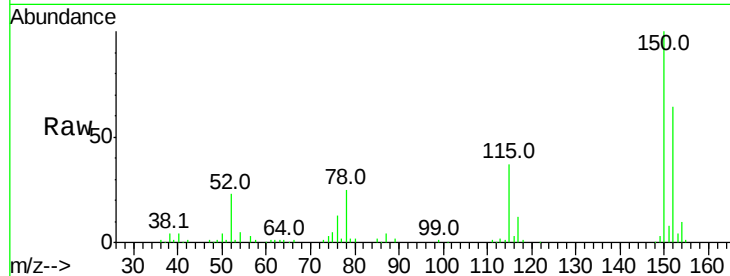


#1

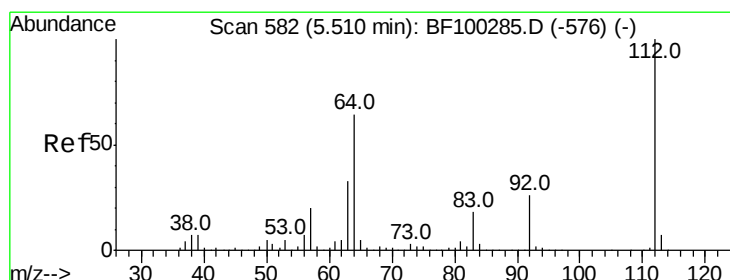
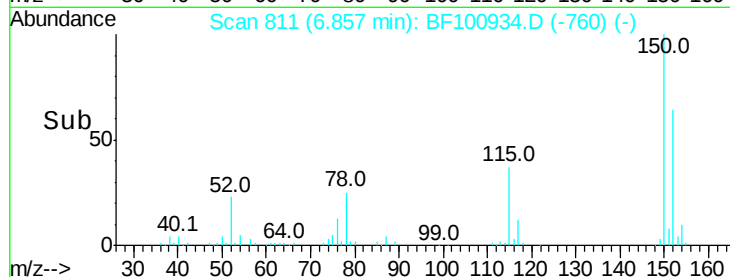
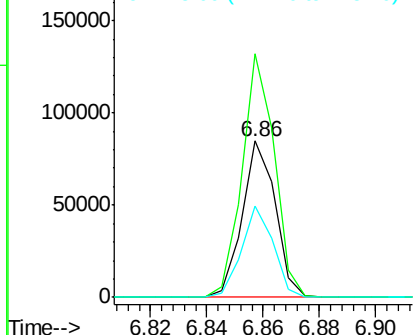
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF100934.D
Acq: 28 Nov 2017 15:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 68380
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 58.2 50.1 75.1



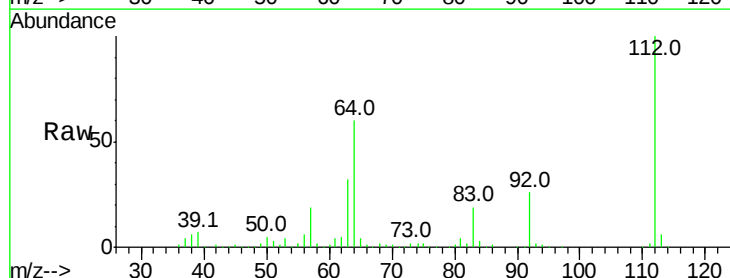
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



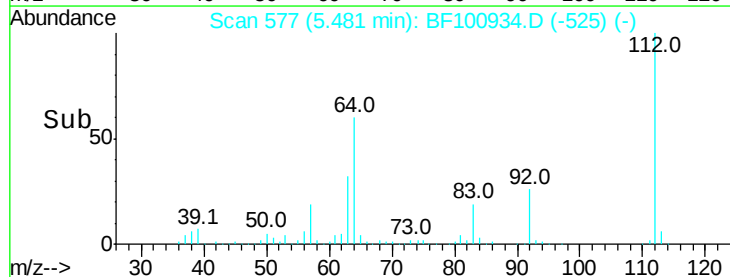
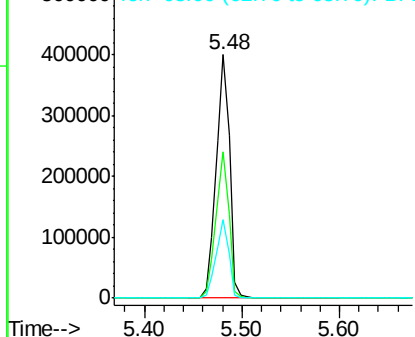
#5

2-Fluorophenol
Concen: 89.781 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF100934.D
Acq: 28 Nov 2017 15:22

Tgt Ion:112 Resp: 382987
Ion Ratio Lower Upper
112 100
64 60.1 47.9 71.9
63 32.3 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: 84.885 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF100934.D

Acq: 28 Nov 2017 15:22

Instrument :

BNA_F

ClientSampled :

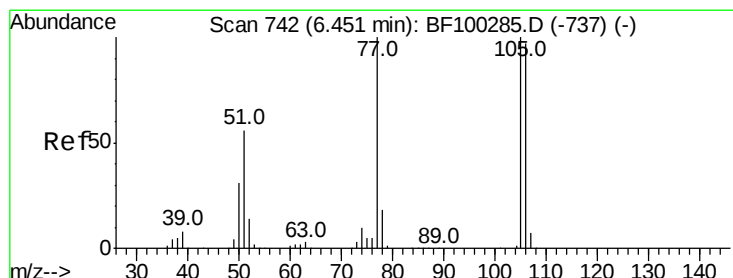
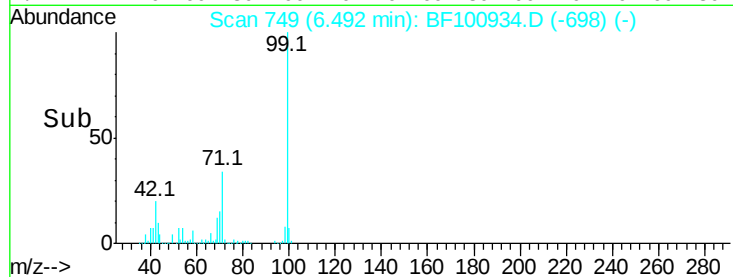
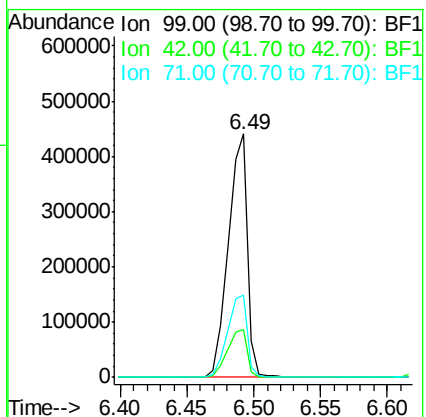
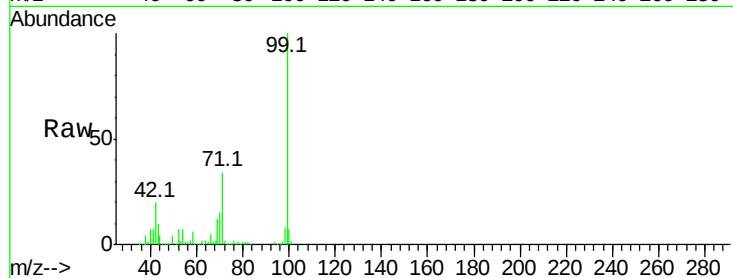
Tot Ion: 99 Resp: 446521

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 33.9 25.4 38.0



#9

Benzaldehyde

Concen: 2.298 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.21 min

Lab File: BF100934.D

Acq: 28 Nov 2017 15:22

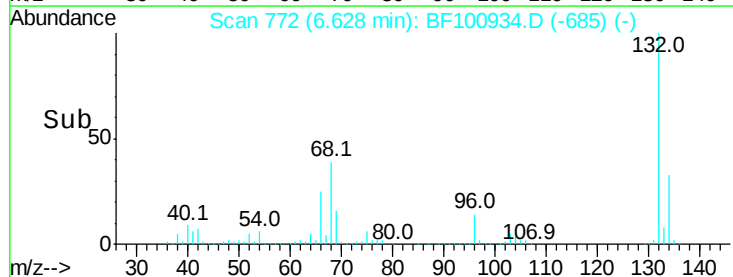
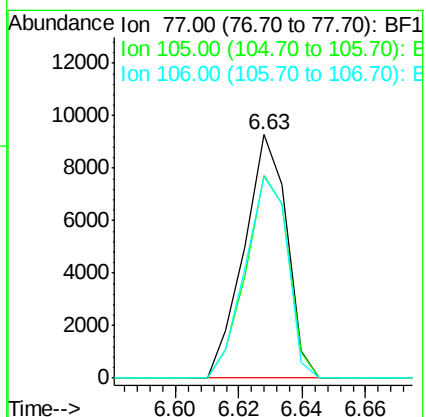
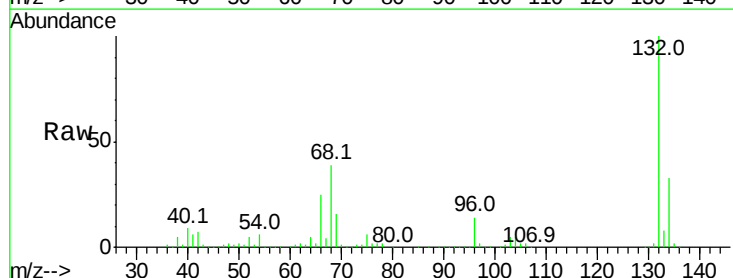
Tgt Ion: 77 Resp: 8633

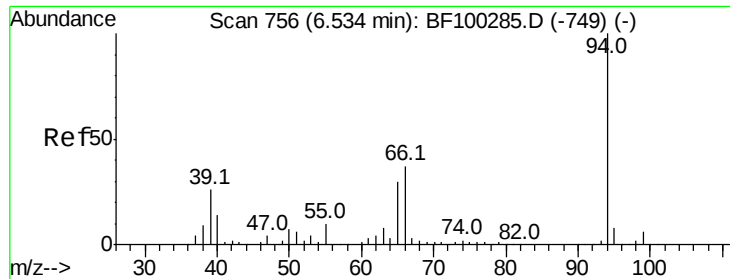
Ion Ratio Lower Upper

77 100

105 83.3 81.1 121.1

106 82.6 74.5 114.5





#10

Phenol

Concen: 2.052 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100934.D

Acq: 28 Nov 2017 15:22

Instrument :

BNA_F

ClientSampled :

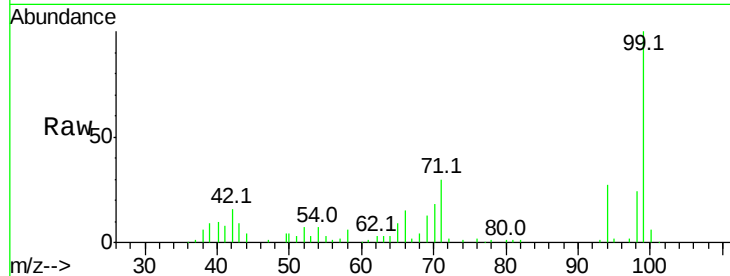
Tot Ion: 94 Resp: 11331

Ion Ratio Lower Upper

94 100

65 33.0 7.9 47.9

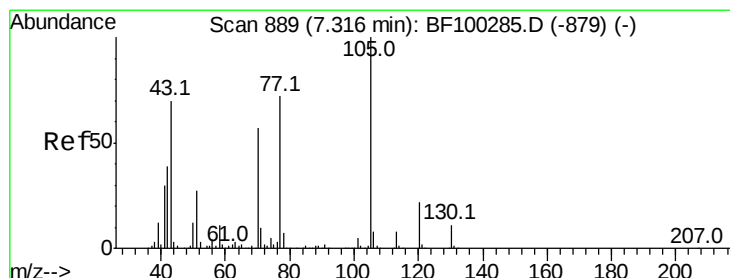
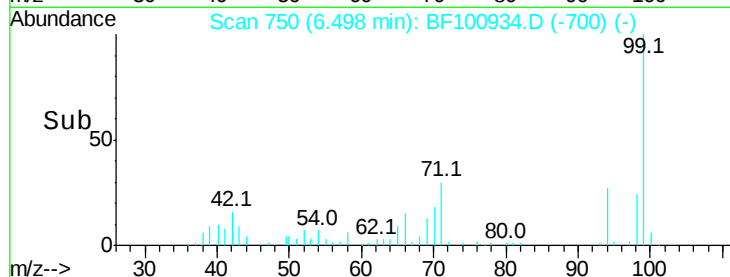
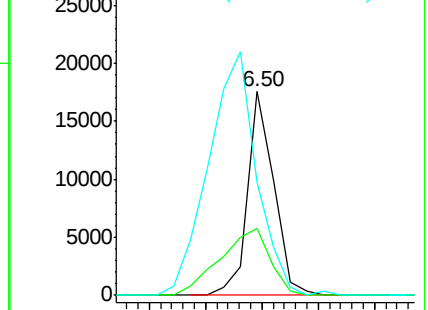
66 55.5 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 9.532 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF100934.D

Acq: 28 Nov 2017 15:22

Tgt Ion: 70 Resp: 34772

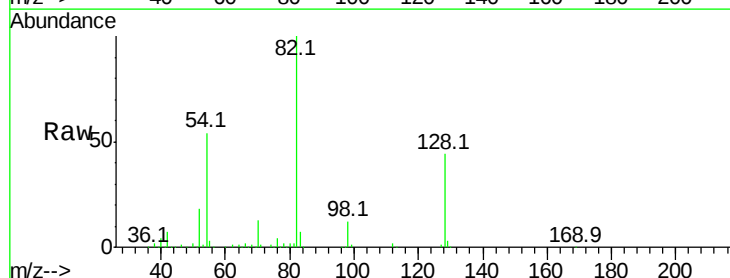
Ion Ratio Lower Upper

70 100

42 52.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

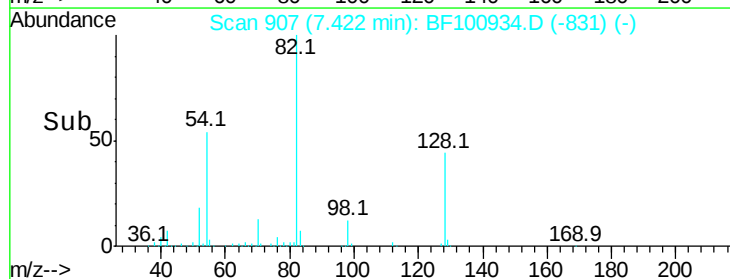
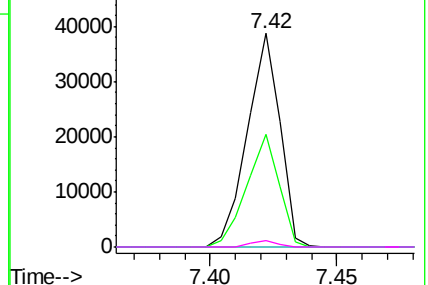


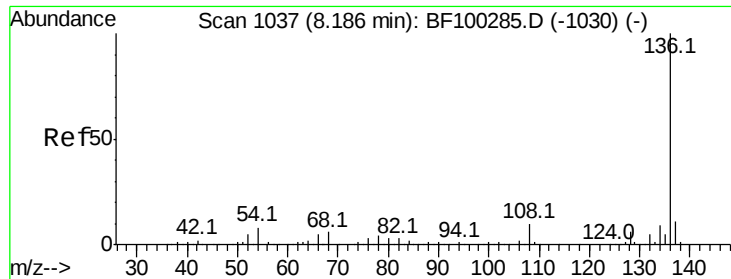
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

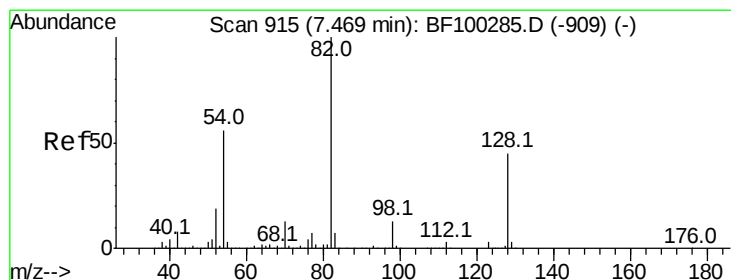
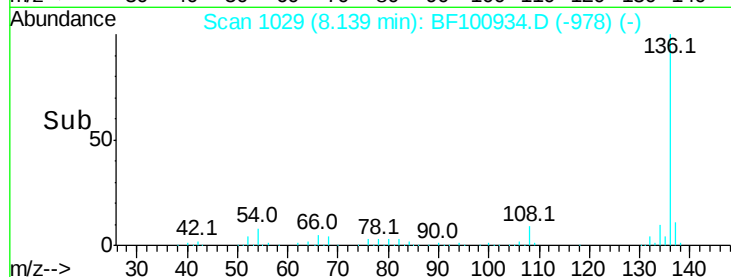
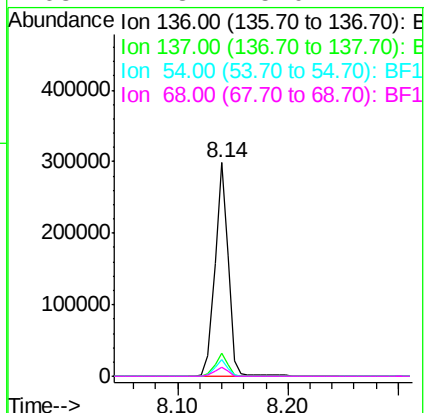
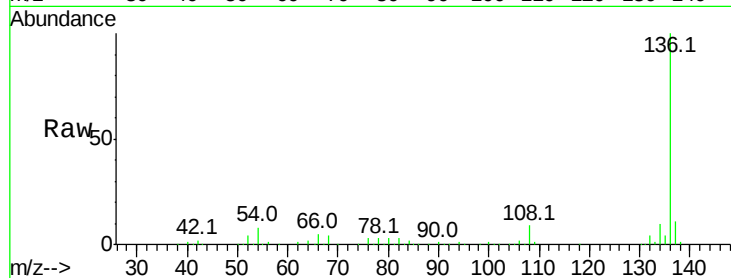




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF100934.D
Acq: 28 Nov 2017 15:22

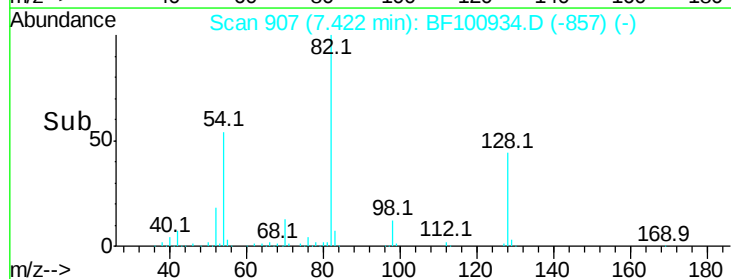
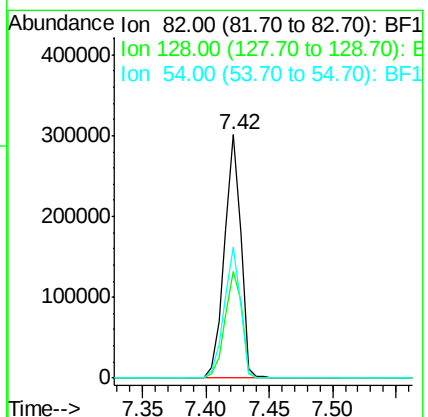
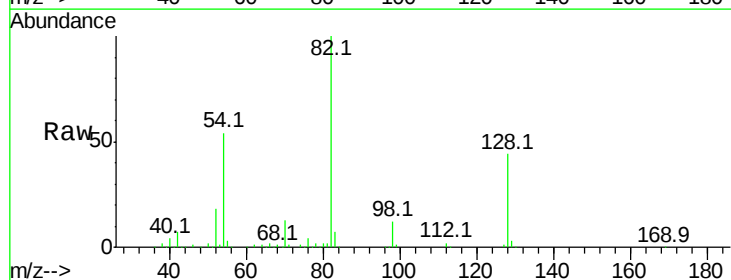
Instrument :
BNA_F
ClientSampled :

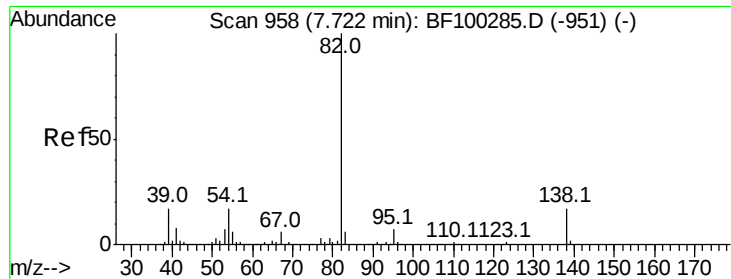
Tot Ion:	136	Resp:	245402
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.5	6.6	9.8
68	4.3	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 73.214 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100934.D
Acq: 28 Nov 2017 15:22

Tgt Ion:	82	Resp:	271757
Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.1	54.1
54	53.9	41.4	62.2





#25

Isophorone

Concen: 34.840 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF100934.D

Acq: 28 Nov 2017 15:22

Instrument :

BNA_F

ClientSampleId :

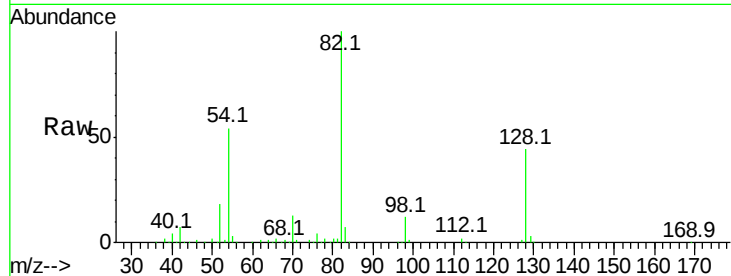
Tot Ion: 82 Resp: 271753

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

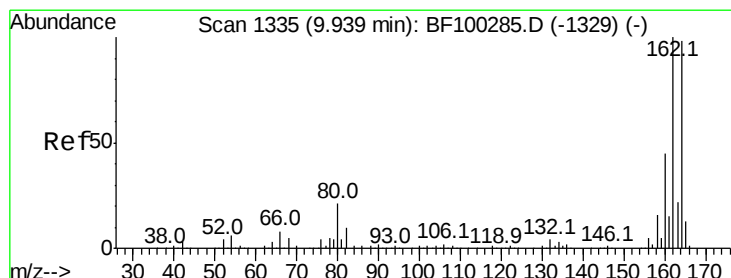
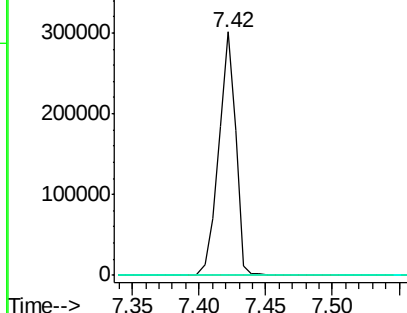
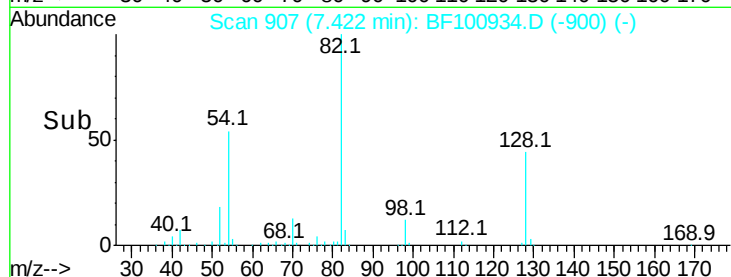
138 0.0 14.9 22.3#



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: BF100934.D

Acq: 28 Nov 2017 15:22

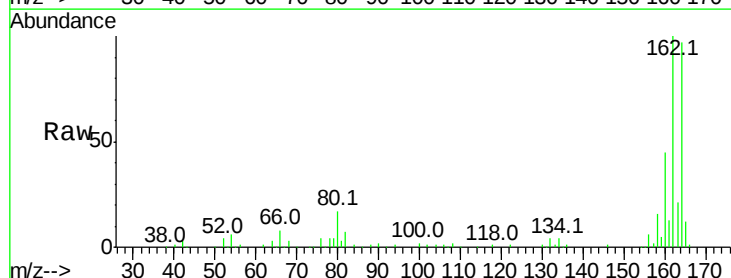
Tgt Ion:164 Resp: 101353

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

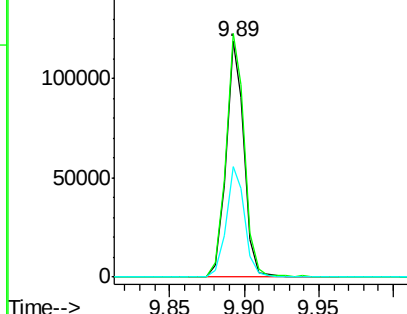
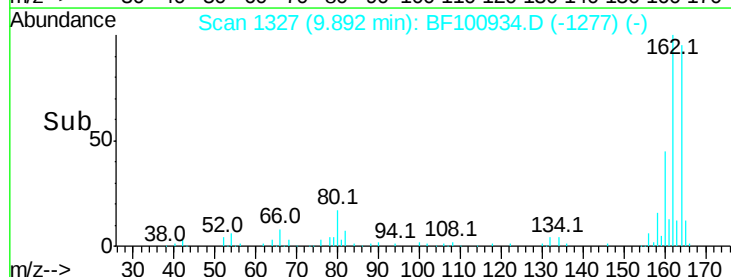
160 47.0 38.3 57.5

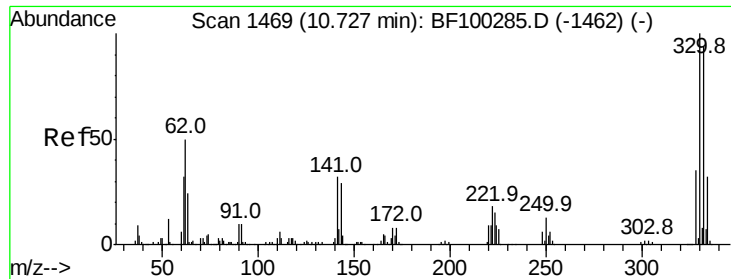


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

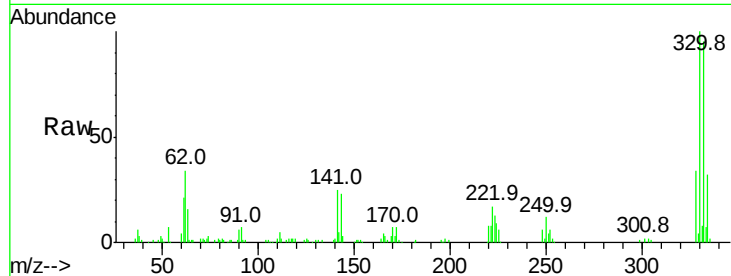




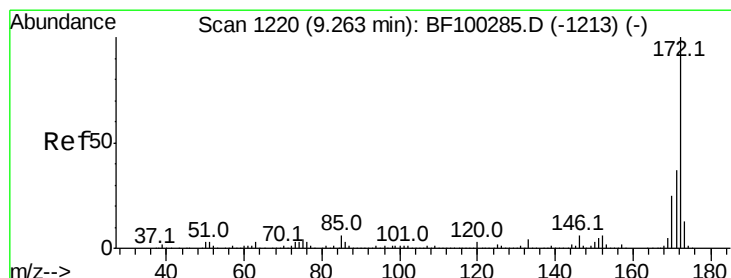
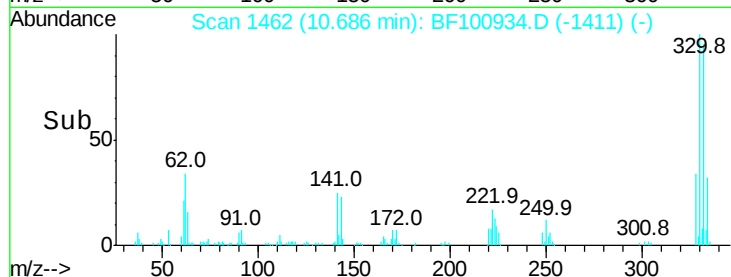
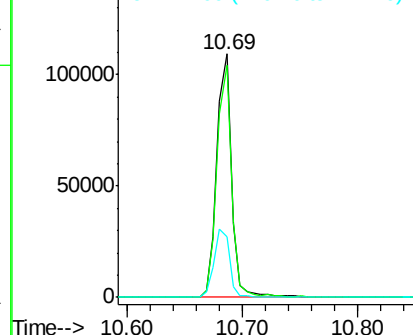
#41
 2,4,6-Tribromophenol
 Concen: 94.777 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: BF100934.D
 Acq: 28 Nov 2017 15:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	29.1	29.9	44.9#

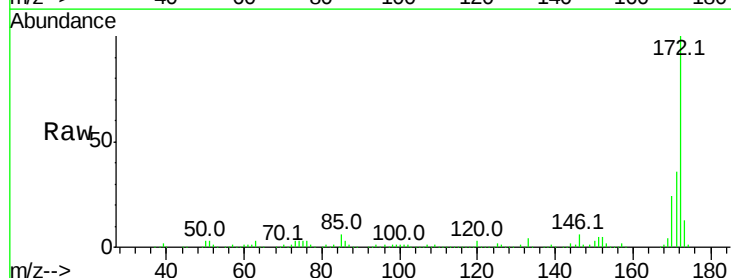


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

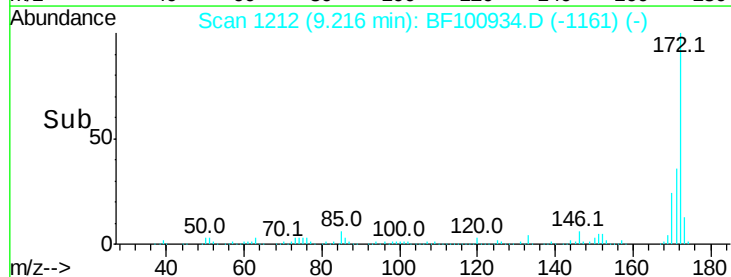
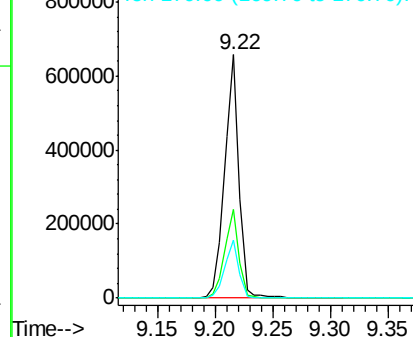


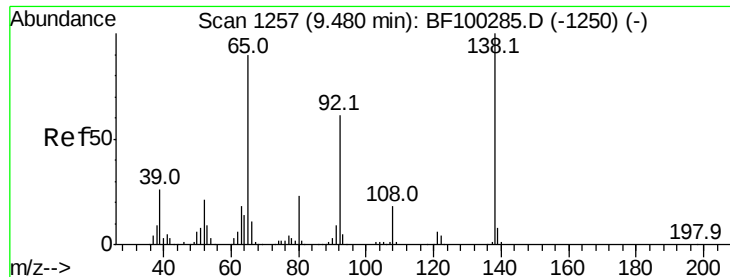
#44
 2-Fluorobiphenyl
 Concen: 85.490 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: BF100934.D
 Acq: 28 Nov 2017 15:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	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

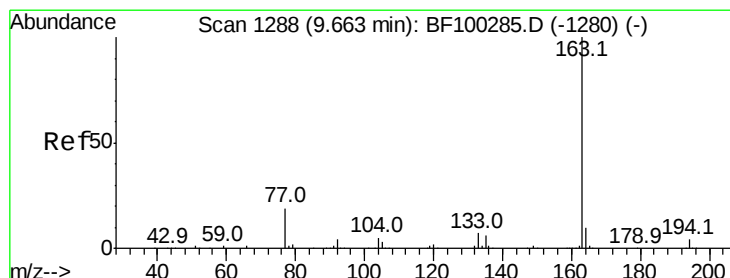
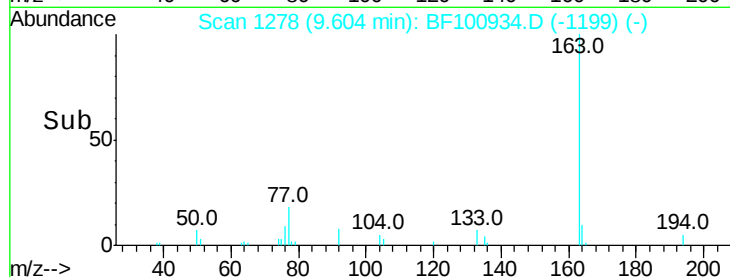
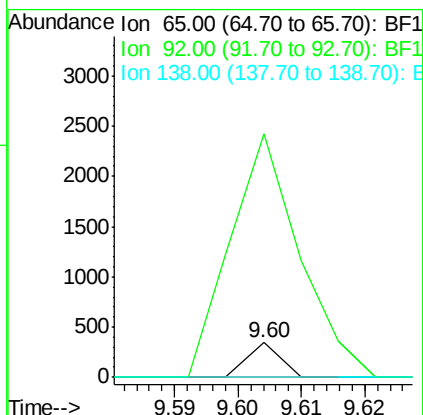
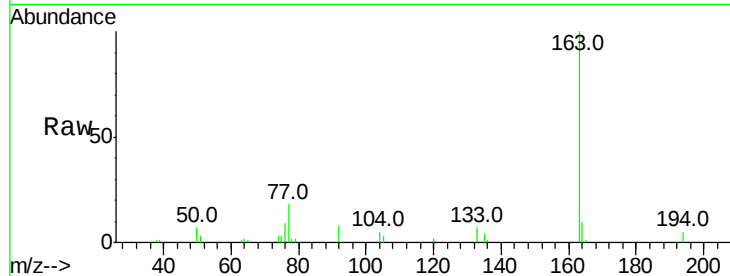




#47
2-Nitroaniline
Concen: 2.845 ng
RT: 9.60 min Scan# 1278
Delta R.T. 0.16 min
Lab File: BF100934.D
Acq: 28 Nov 2017 15:22

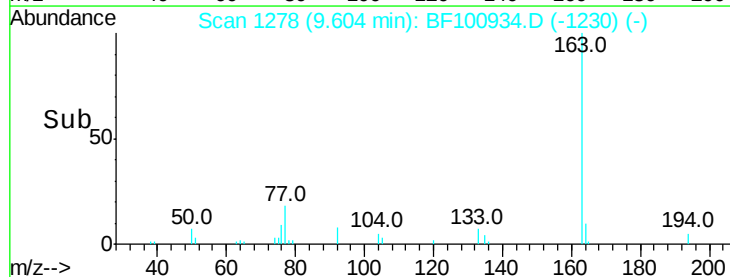
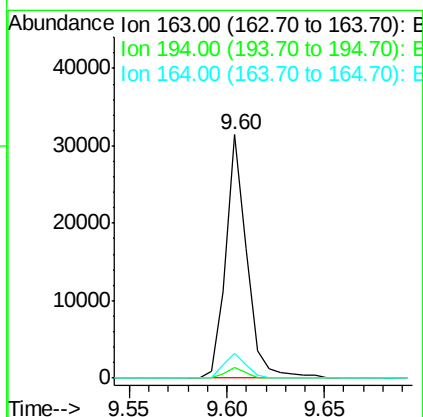
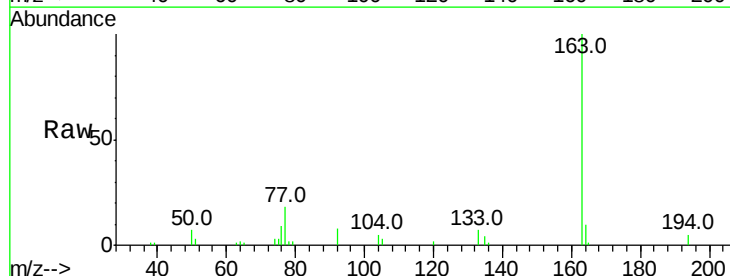
Instrument :
BNA_F
ClientSampleId :

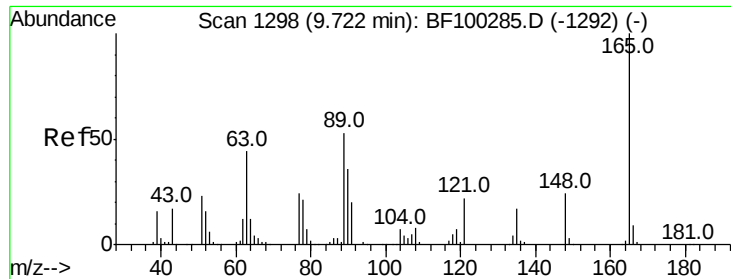
Tot Ion: 65 Resp: 122
Ion Ratio Lower Upper
65 100
92 700.3 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 3.050 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100934.D
Acq: 28 Nov 2017 15:22

Tgt Ion:163 Resp: 23600
Ion Ratio Lower Upper
163 100
194 4.6 2.7 4.1#
164 10.2 8.2 12.2

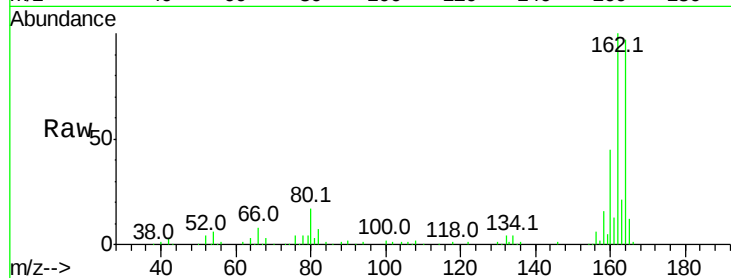




#50
 2,6-Dinitrotoluene
 Concen: 8.360 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF100934.D
 Acq: 28 Nov 2017 15:22

Instrument :
 BNA_F
 ClientSampleId :

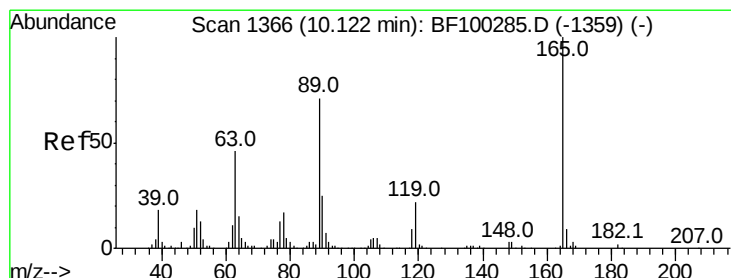
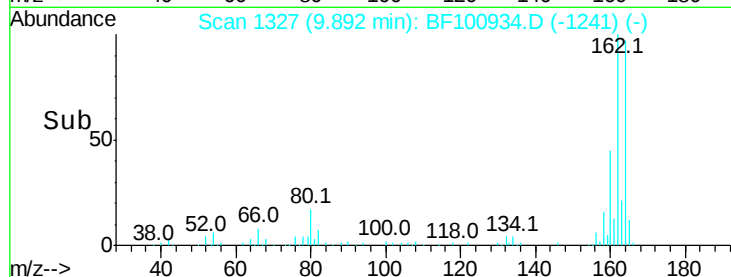
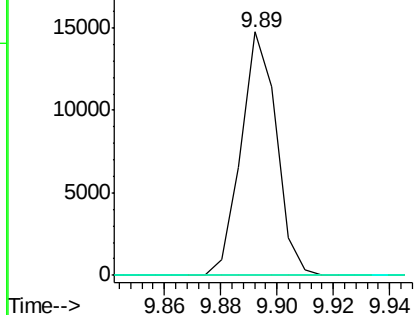
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.627 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF100934.D
 Acq: 28 Nov 2017 15:22

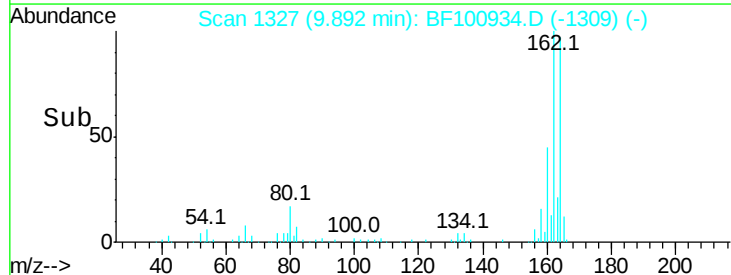
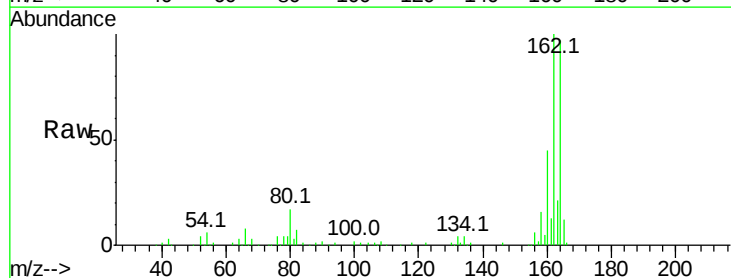
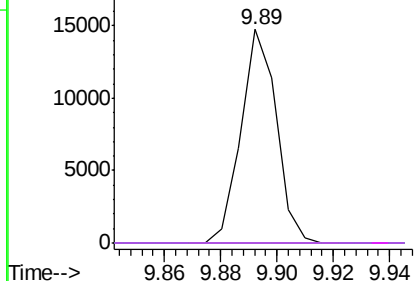
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

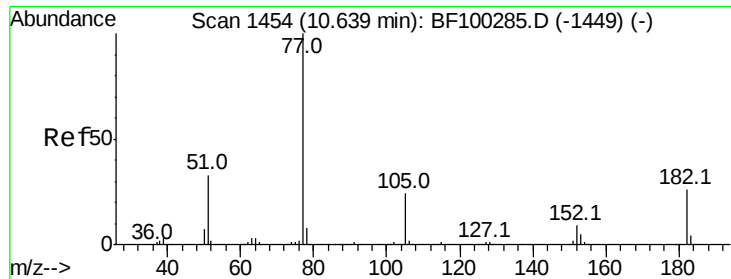
Abundance Ion 165.00 (164.70 to 165.70): E

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: 6.980 ng

RT: 10.60 min Scan# 1448

Delta R.T. 0.01 min

Lab File: BF100934.D

Acq: 28 Nov 2017 15:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 50913

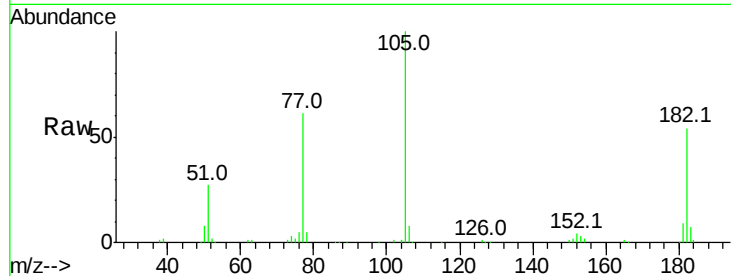
Ion Ratio Lower Upper

77 100

182 88.2 1.7 41.7#

105 162.8 3.0 43.0#

51 43.5 9.9 49.9

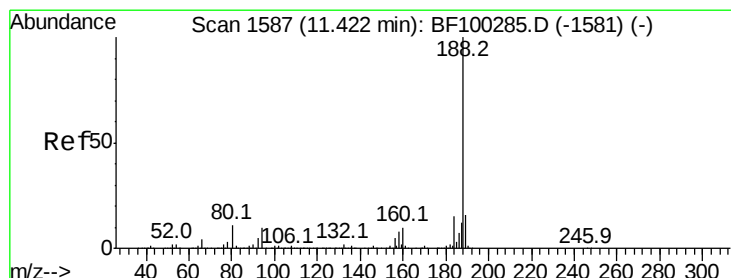
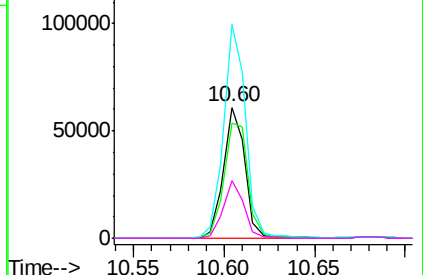
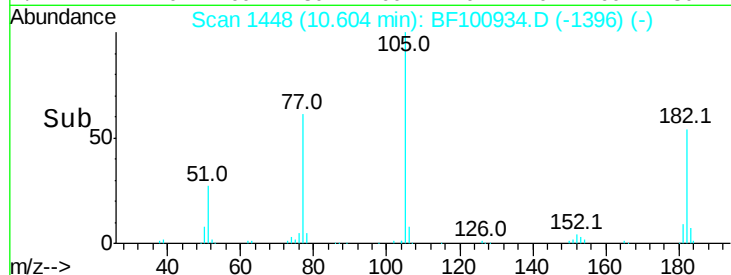


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

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: BF100934.D

Acq: 28 Nov 2017 15:22

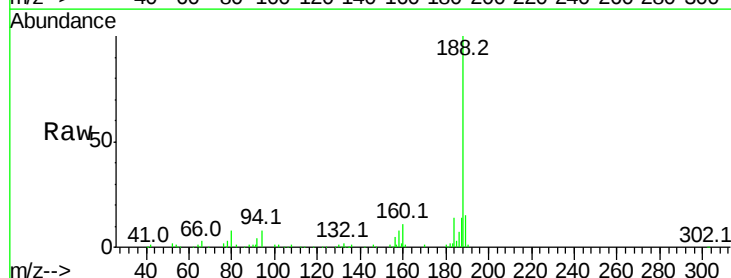
Tgt Ion: 188 Resp: 155854

Ion Ratio Lower Upper

188 100

94 8.1 8.5 12.7#

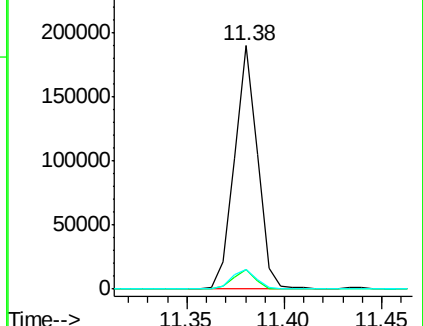
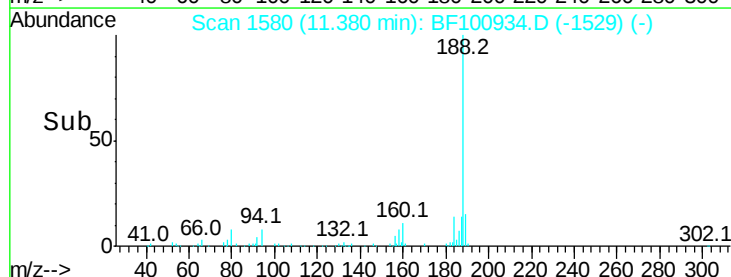
80 8.1 9.2 13.8#

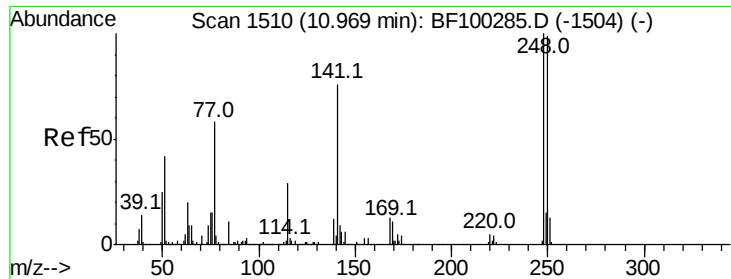


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

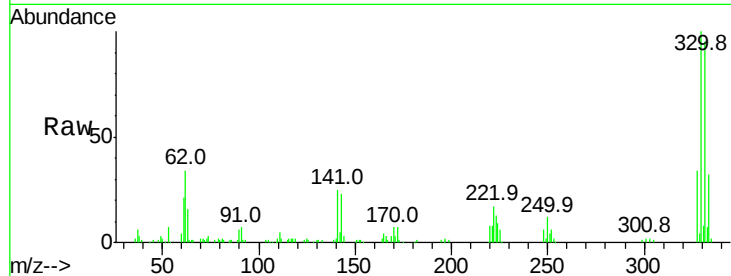




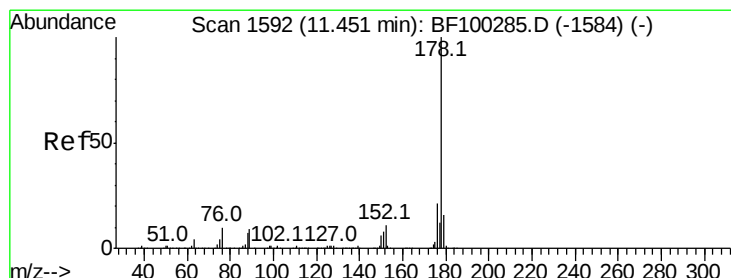
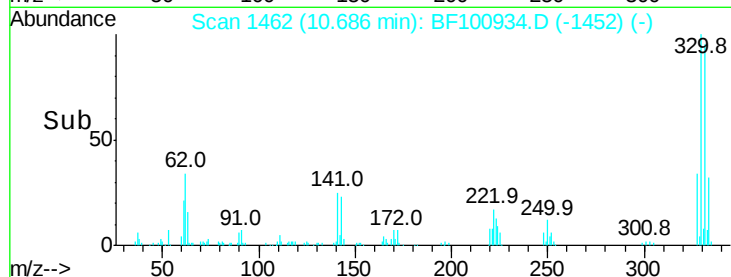
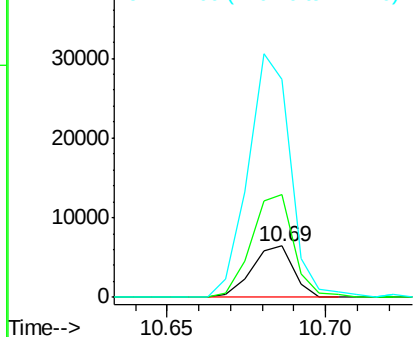
#66
 4-Bromophenyl-phenylether
 Concen: 3.515 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.24 min
 Lab File: BF100934.D
 Acq: 28 Nov 2017 15:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 5872
 Ion Ratio Lower Upper
 248 100
 250 200.2 76.9 115.3#
 141 423.4 74.4 111.6#

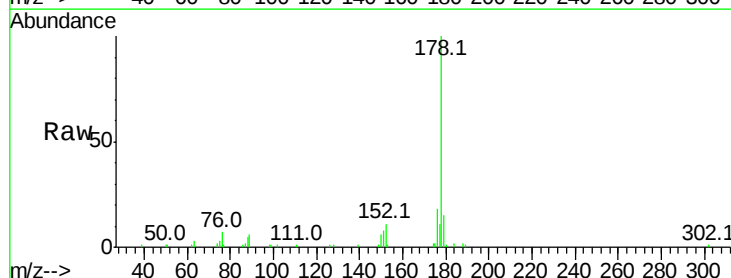


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

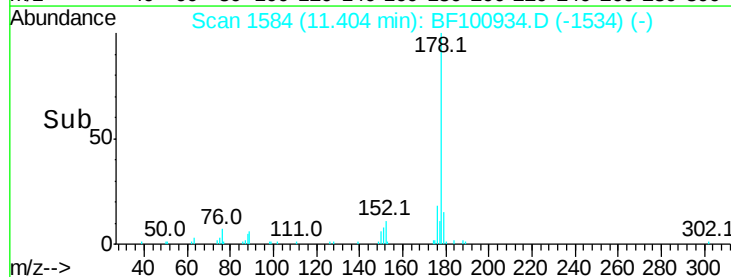
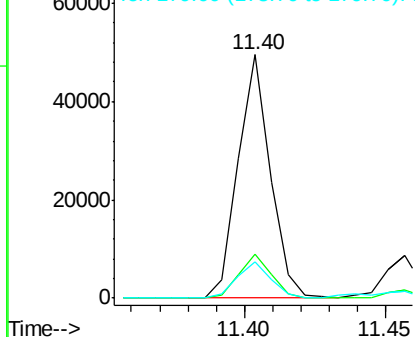


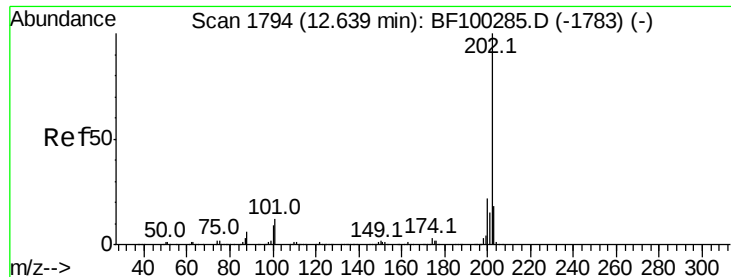
#70
 Phenanthrene
 Concen: 4.783 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF100934.D
 Acq: 28 Nov 2017 15:22

Tgt Ion:178 Resp: 39249
 Ion Ratio Lower Upper
 178 100
 176 18.0 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: 10.044 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF100934.D

Acq: 28 Nov 2017 15:22

Instrument :

BNA_F

ClientSampled :

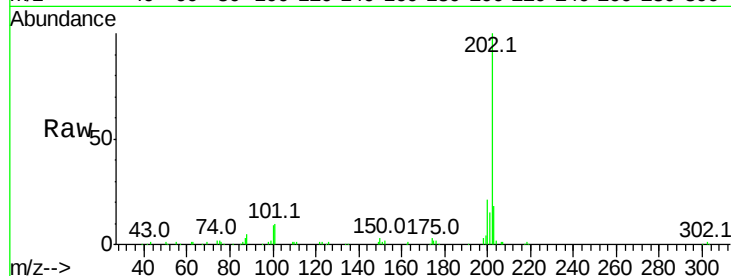
Tot Ion:202 Resp: 87347

Ion Ratio Lower Upper

202 100

101 9.7 0.0 34.1

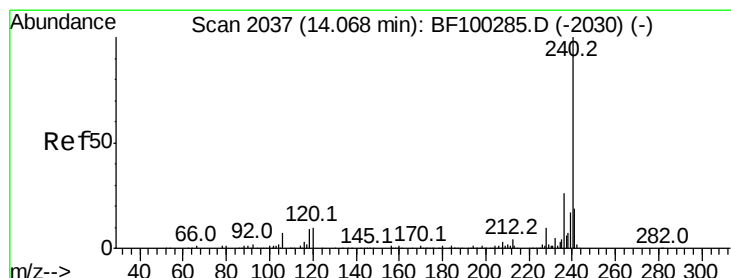
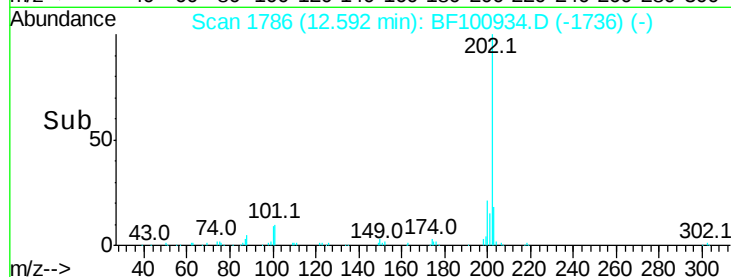
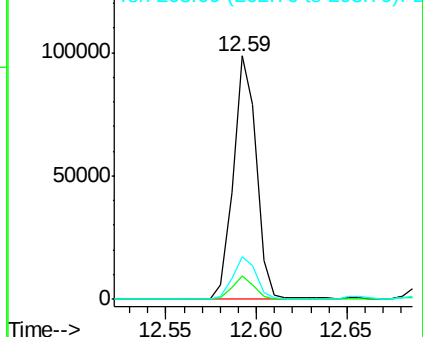
203 17.5 0.0 38.1



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: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF100934.D

Acq: 28 Nov 2017 15:22

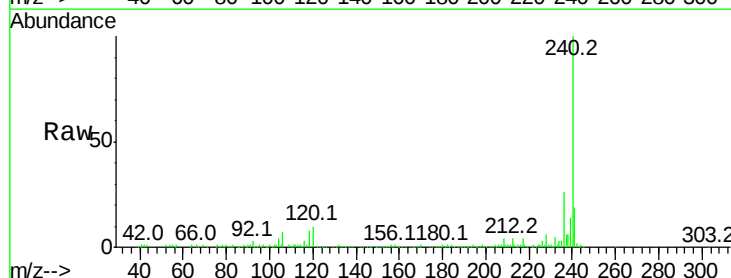
Tgt Ion:240 Resp: 150587

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

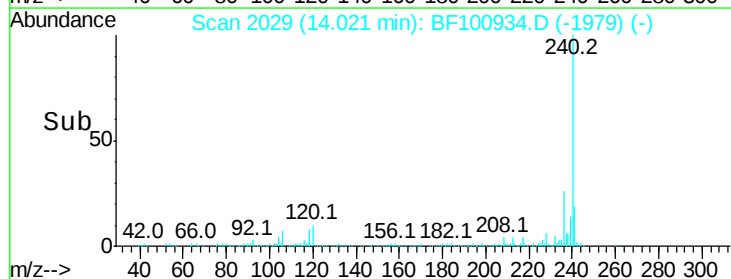
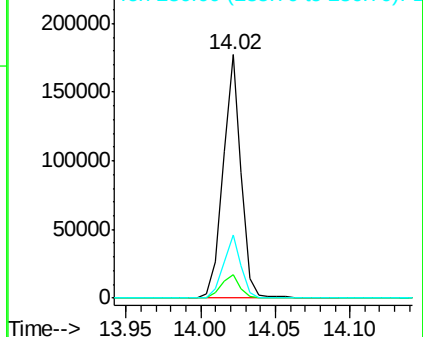
236 26.0 20.7 31.1

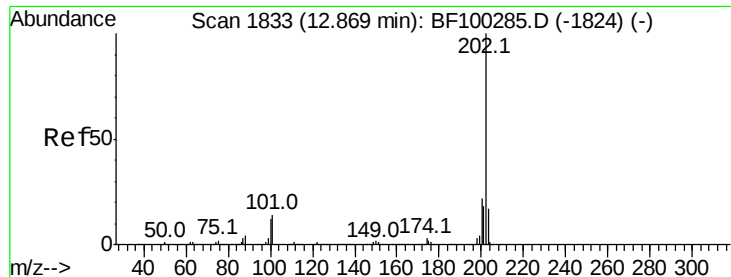


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.286 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF100934.D

Acq: 28 Nov 2017 15:22

Instrument :

BNA_F

ClientSampleId :

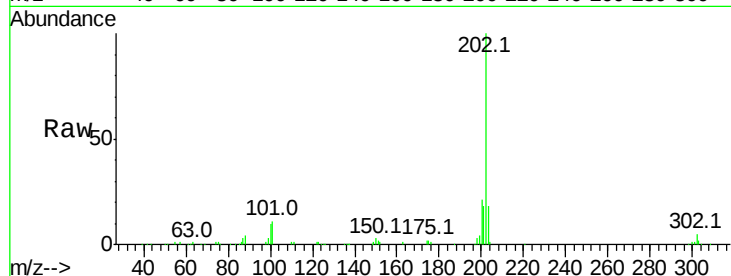
Tot Ion:202 Resp: 88945

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

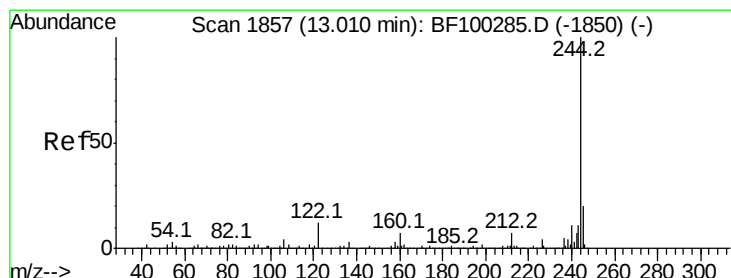
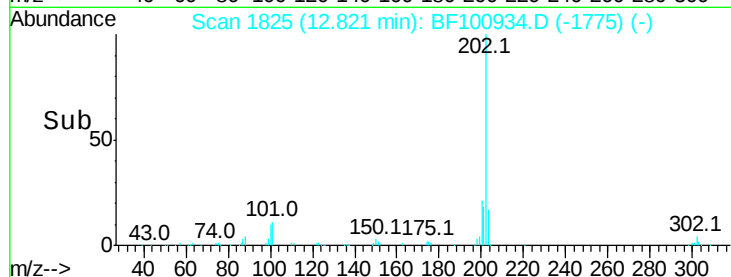
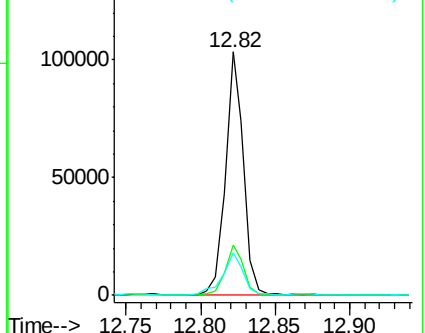
203 17.5 14.3 21.5



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: 62.007 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF100934.D

Acq: 28 Nov 2017 15:22

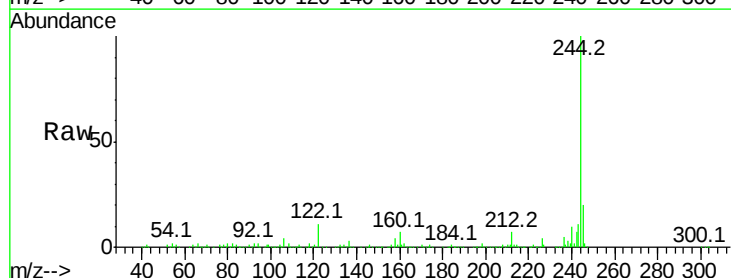
Tgt Ion:244 Resp: 406379

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

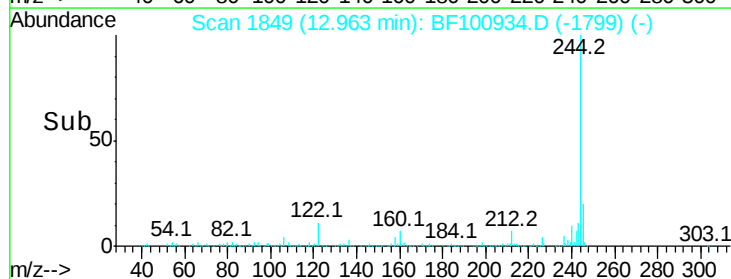
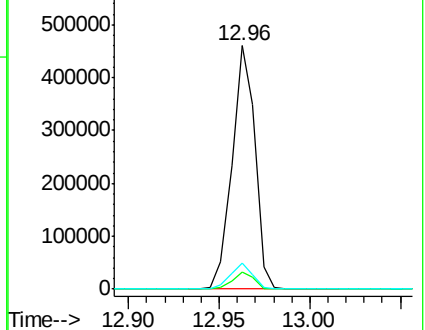
122 10.7 11.0 16.4#

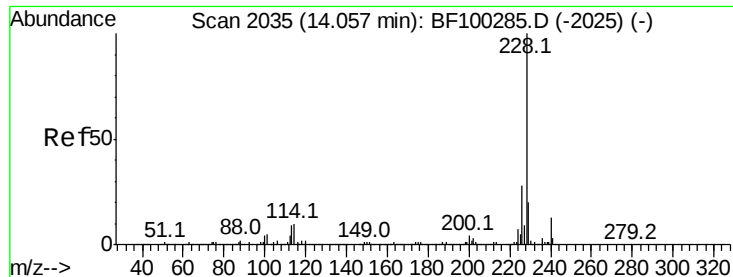


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

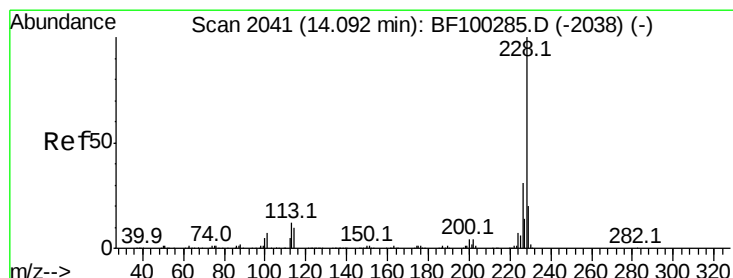
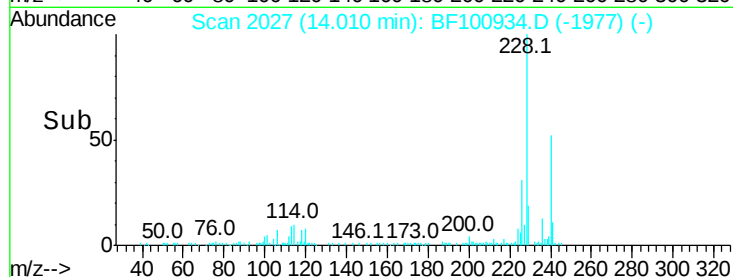
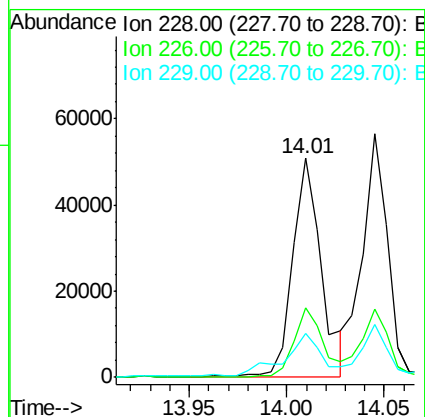
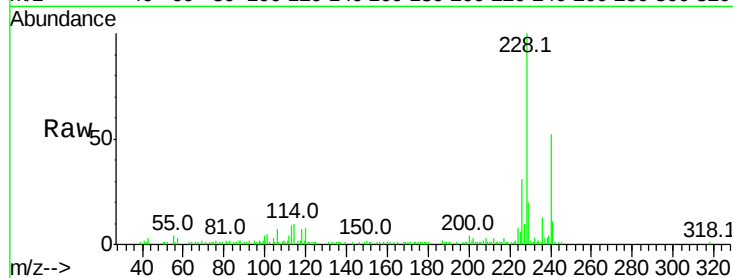




#80
Benzo(a)anthracene
Concen: 5.744 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF100934.D
Acq: 28 Nov 2017 15:22

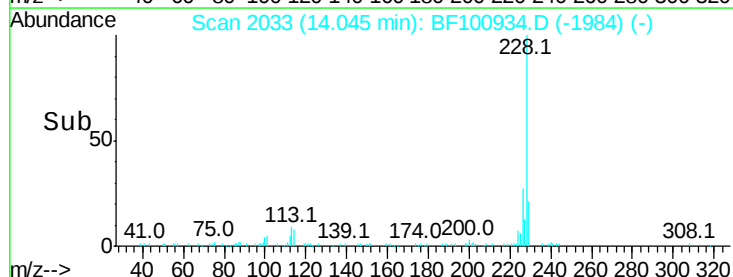
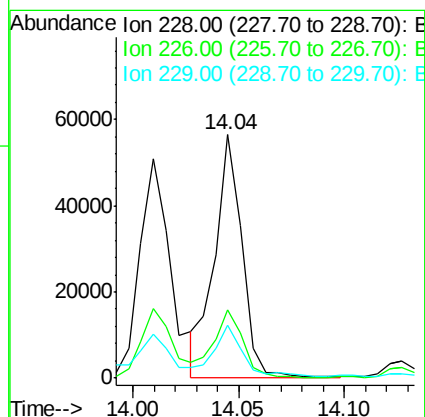
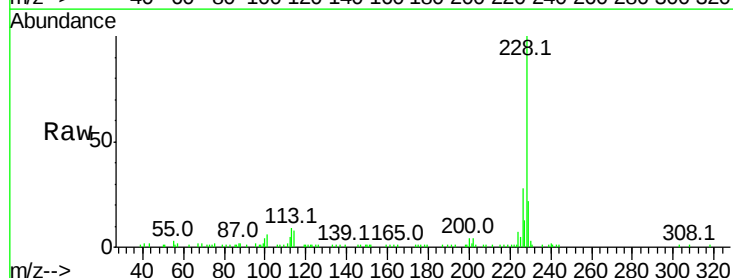
Instrument :
BNA_F
ClientSampleId :

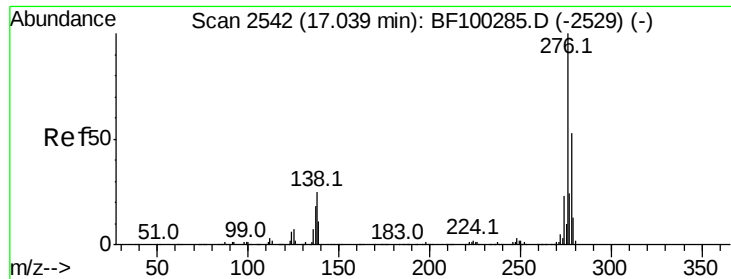
Tot Ion:228 Resp: 52085
Ion Ratio Lower Upper
228 100
226 31.5 22.6 33.8
229 19.9 15.8 23.6



#82
Chrysene
Concen: 5.839 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF100934.D
Acq: 28 Nov 2017 15:22

Tgt Ion:228 Resp: 51279
Ion Ratio Lower Upper
228 100
226 27.8 25.0 37.6
229 21.7 16.2 24.4

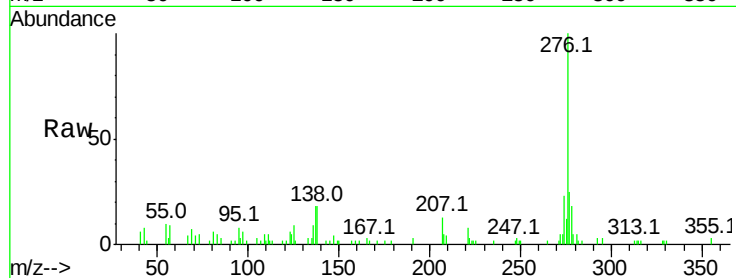




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.935 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF100934.D
Acq: 28 Nov 2017 15:22

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.3	25.0	37.6#
277	25.9	20.1	30.1

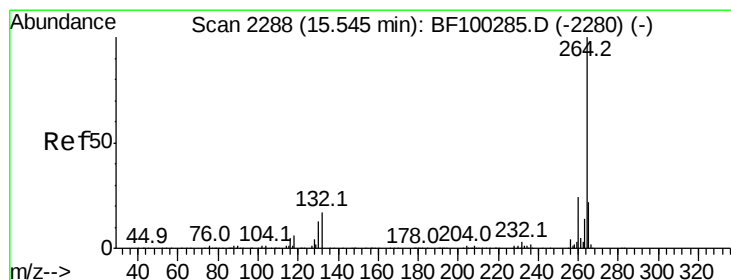
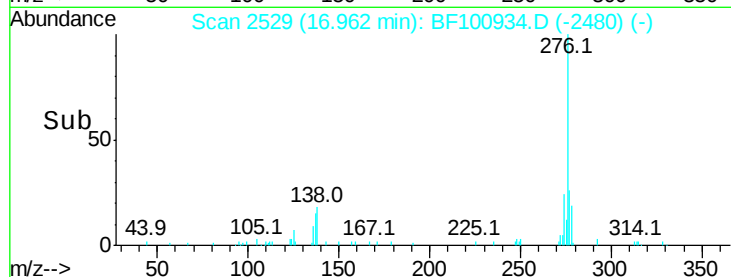
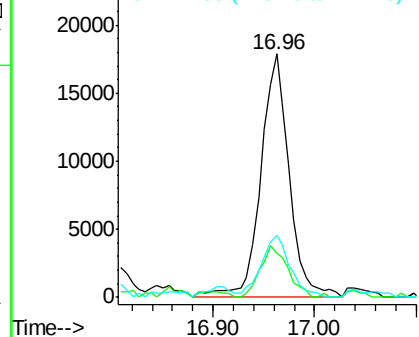


Abundance

Ion 276.00 (275.70 to 276.70): E

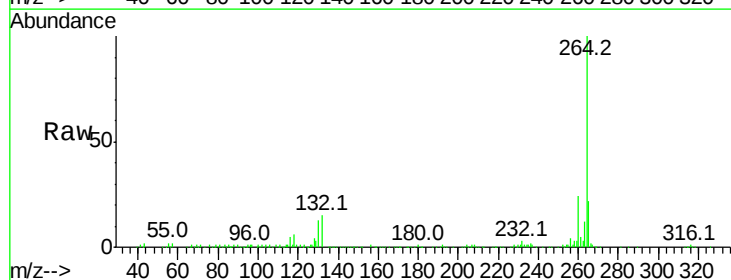
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BF100934.D
Acq: 28 Nov 2017 15:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.7	17.5	26.3

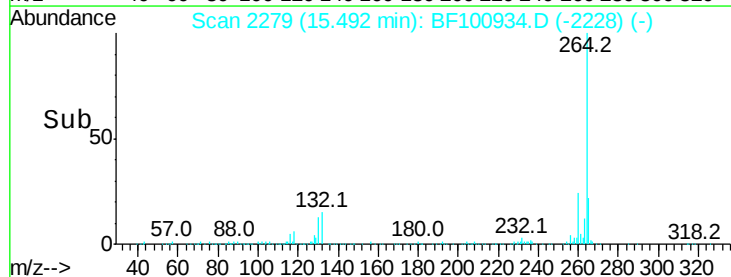
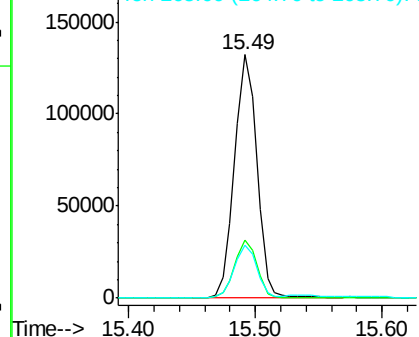


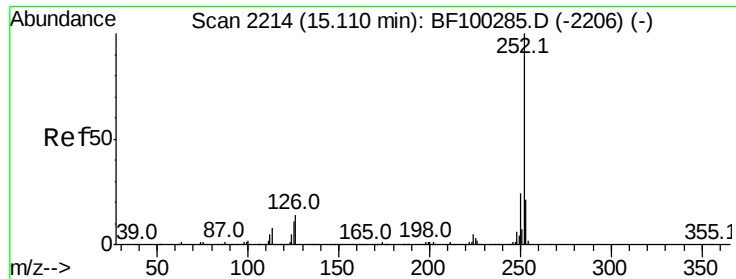
Abundance

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

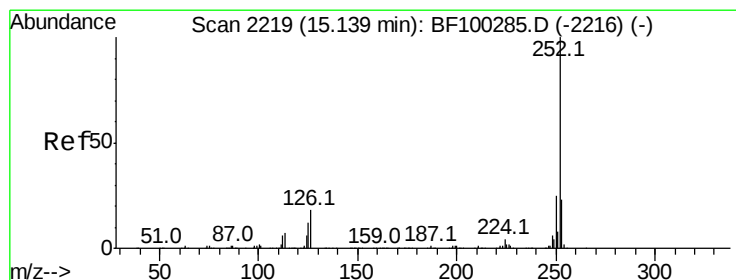
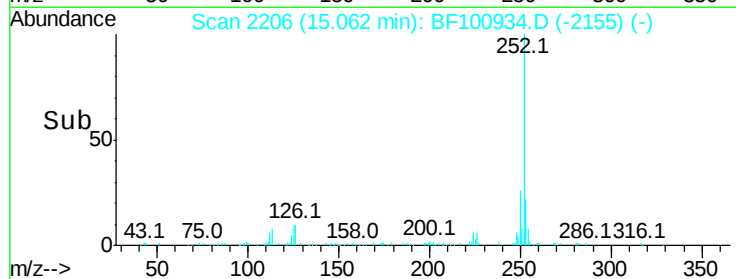
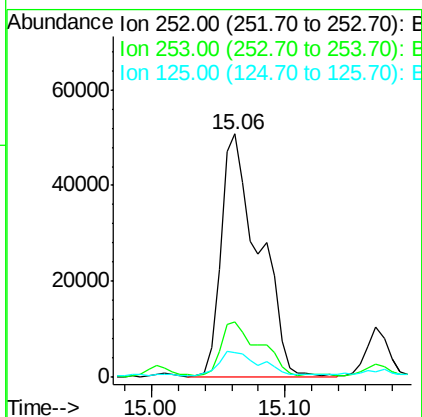
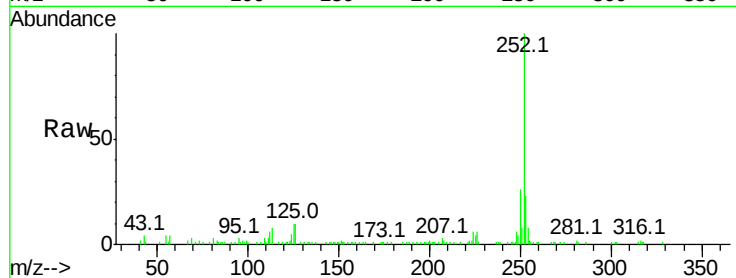




#87
Benzo(b)fluoranthene
Concen: 10.469 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BF100934.D
Acq: 28 Nov 2017 15:22

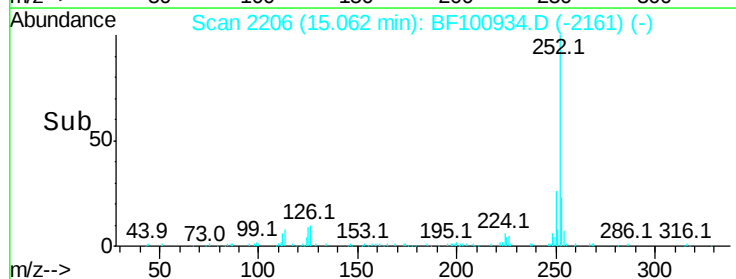
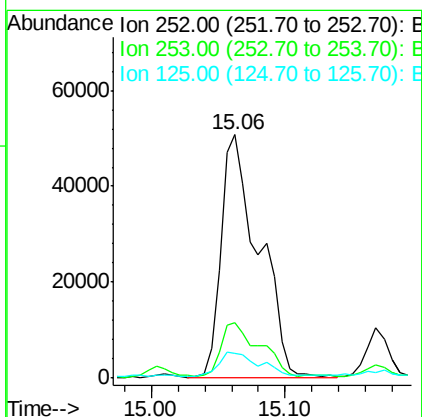
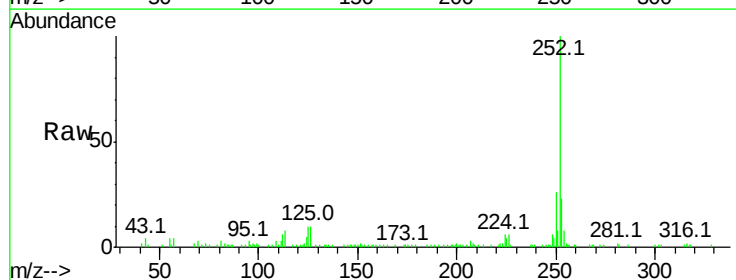
Instrument :
BNA_F
ClientSampleId :

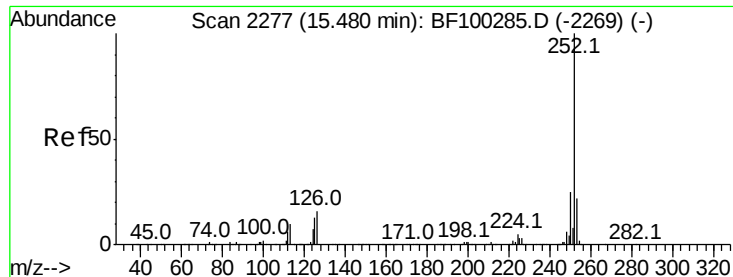
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	10.3	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 11.080 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.04 min
Lab File: BF100934.D
Acq: 28 Nov 2017 15:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	10.3	10.2	15.2

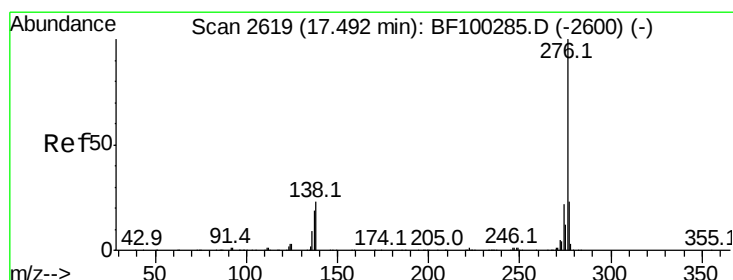
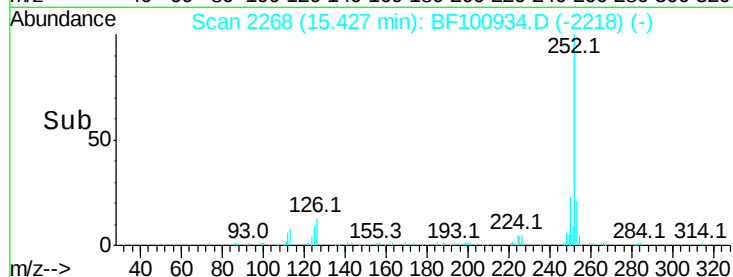
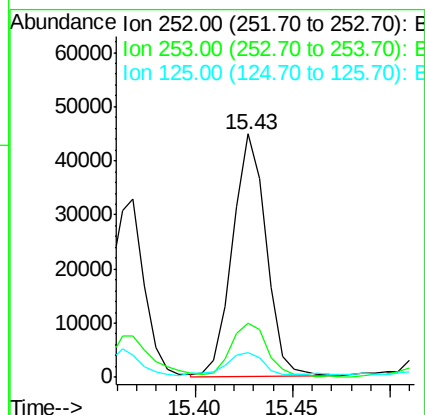
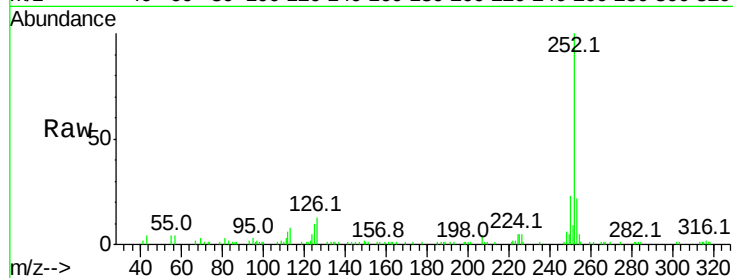




#89
Benzo(a)pyrene
Concen: 6.296 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF100934.D
Acq: 28 Nov 2017 15:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 53695
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 10.3 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 4.686 ng
RT: 17.41 min Scan# 2605
Delta R.T. -0.01 min
Lab File: BF100934.D
Acq: 28 Nov 2017 15:22

Tgt Ion:276 Resp: 31989
Ion Ratio Lower Upper
276 100
277 23.1 17.9 26.9
138 21.1 21.8 32.8#

