

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
 Data File : BF100941.D
 Acq On : 28 Nov 2017 18:33
 Operator : SJ/JU
 Sample : I6610-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 00:39:31 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	67695	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	238628	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	94691	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	149230	20.00	ng	0.00
75) Chrysene-d12	14.03	240	149693	20.00	ng	0.00
86) Perylene-d12	15.50	264	137735	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	398515	94.37	ng	0.01
7) Phenol-d6	6.49	99	451023	86.61	ng	0.00
23) Nitrobenzene-d5	7.42	82	279510	77.44	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	93211	96.60	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	542156	87.18	ng	0.00
78) Terphenyl-d14	12.97	244	395292	60.68	ng	0.00

Target Compounds

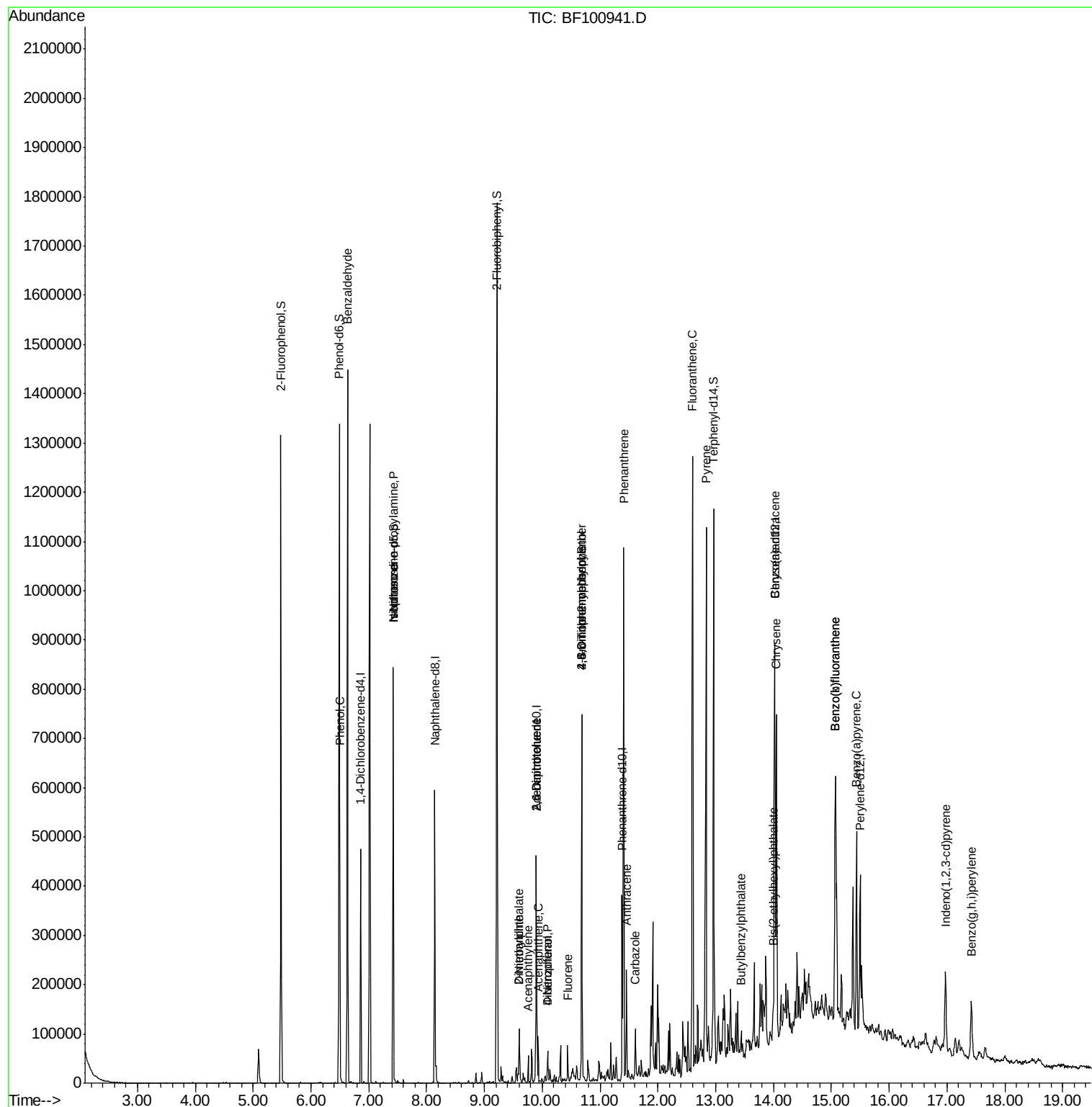
						Qvalue
9) Benzaldehyde	6.63	77	8671	2.332	ng	82
10) Phenol	6.50	94	15781	2.887	ng	98
19) n-Nitroso-di-n-propylamine	7.42	70	37111	10.276	ng	# 81
25) Isophorone	7.42	82	279504	36.850	ng	# 64
47) 2-Nitroaniline	9.60	65	343	2.968	ng	# 1
48) Acenaphthylene	9.76	152	21118	2.145	ng	96
49) Dimethylphthalate	9.60	163	38198	5.283	ng	99
50) 2,6-Dinitrotoluene	9.89	165	12579	8.790	ng	# 24
51) Acenaphthene	9.93	154	17702	2.956	ng	97
54) Dibenzofuran	10.10	168	19002	2.264	ng	# 97
55) 4-Nitrophenol	10.10	139	7125	5.192	ng	# 9
56) 2,4-Dinitrotoluene	9.89	165	12579	6.968	ng	# 21
57) Fluorene	10.44	166	20434	3.323	ng	# 94
64) 4,6-Dinitro-2-methylphenol	10.69	198	106	8.686	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	5881	3.676	ng	# 1
70) Phenanthrene	11.41	178	383488	48.807	ng	98
71) Anthracene	11.46	178	79310	9.949	ng	99
72) Carbazole	11.61	167	35267	4.795	ng	97
74) Fluoranthene	12.60	202	542105	65.101	ng	97
77) Pvrene	12.83	202	489118	45.837	ng	99
79) Butylbenzylphthalate	13.44	149	11159	2.564	ng	# 87
80) Benzo(a)anthracene	14.02	228	284884	31.603	ng	98
82) Chrysene	14.05	228	244310	27.987	ng	97
83) Bis(2-ethylhexyl)phthalate	13.99	149	17423	3.044	ng	100
85) Indeno(1,2,3-cd)pyrene	16.97	276	99164	14.045	ng	# 88
87) Benzo(b)fluoranthene	15.07	252	398625	48.851	ng	96
88) Benzo(k)fluoranthene	15.07	252	398625	51.702	ng	96
89) Benzo(a)pyrene	15.44	252	194929	26.946	ng	96
91) Benzo(g,h,i)perylene	17.42	276	94145	16.256	ng	# 91

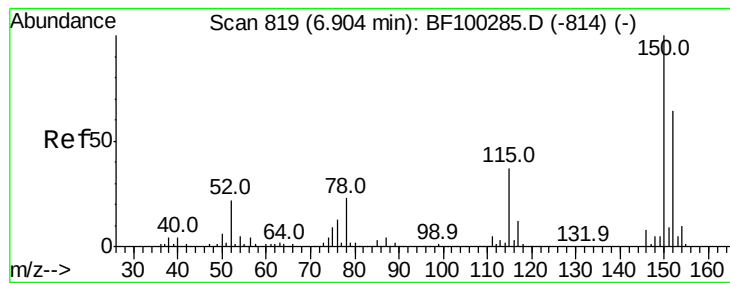
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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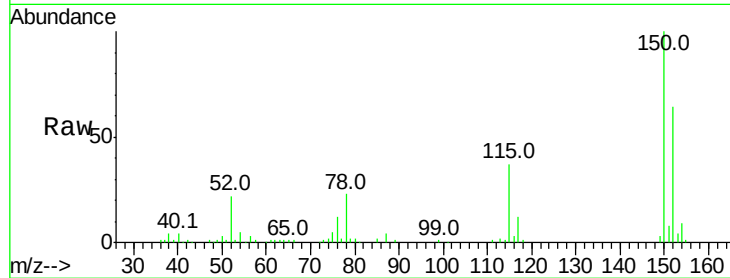


#1

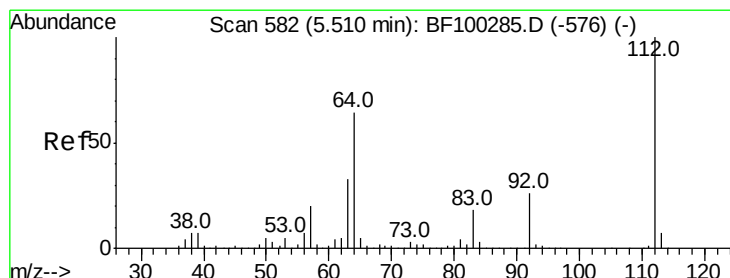
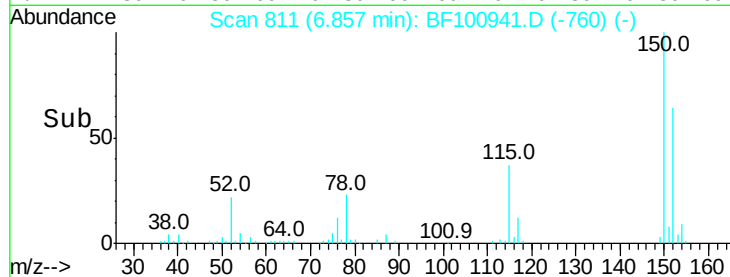
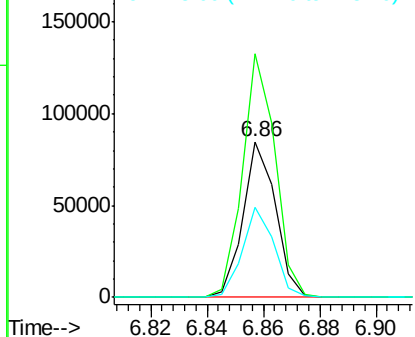
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 67695
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 57.9 50.1 75.1



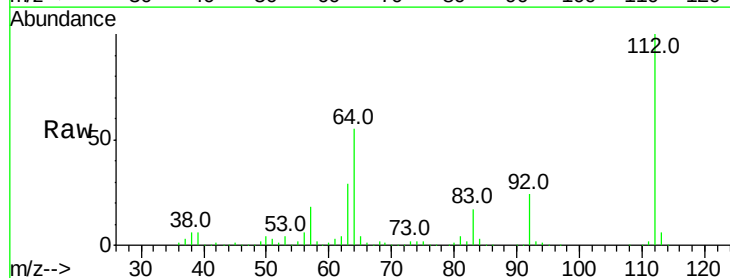
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



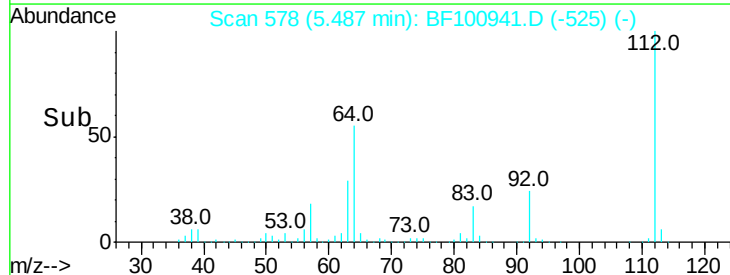
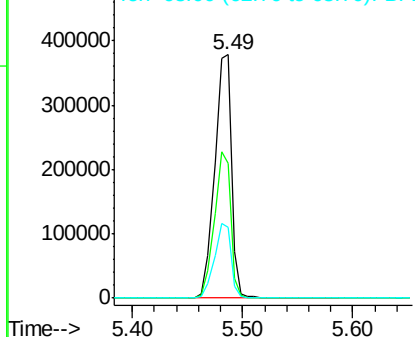
#5

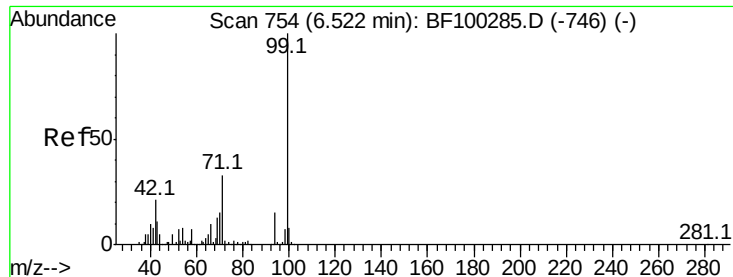
2-Fluorophenol
Concen: 94.367 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Tgt Ion:112 Resp: 398515
Ion Ratio Lower Upper
112 100
64 55.2 47.9 71.9
63 28.9 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: 86.609 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Instrument :

BNA_F

ClientSampleId :

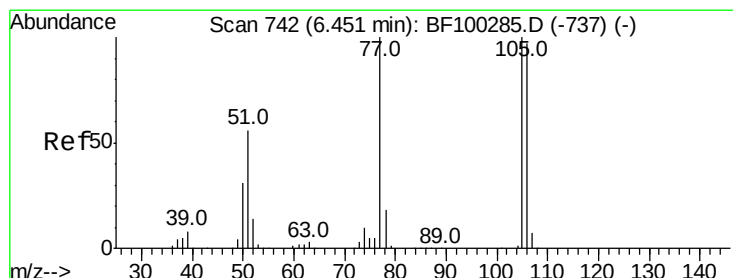
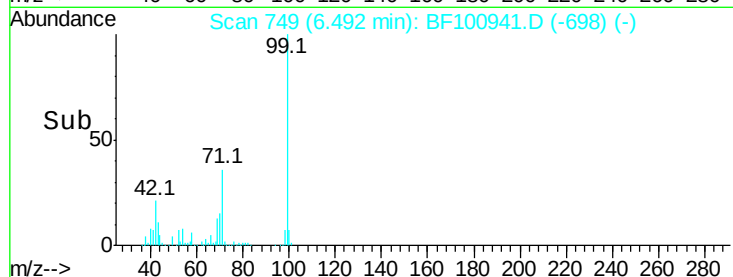
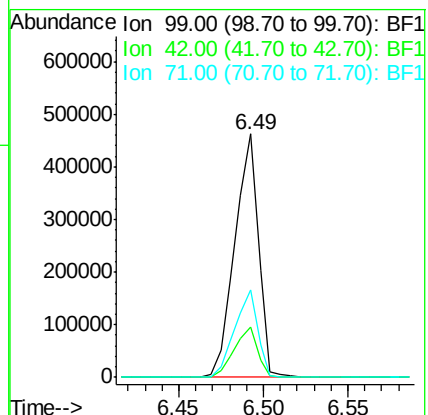
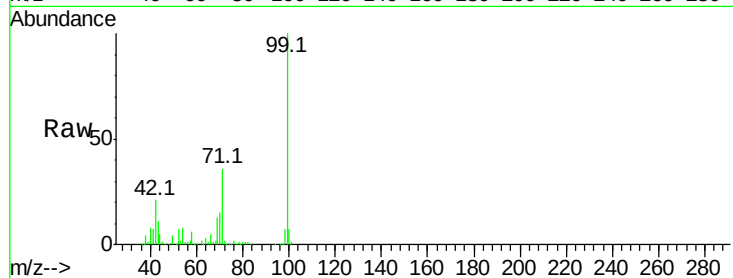
Tot Ion: 99 Resp: 451023

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

71 35.9 25.4 38.0



#9

Benzaldehyde

Concen: 2.332 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.22 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

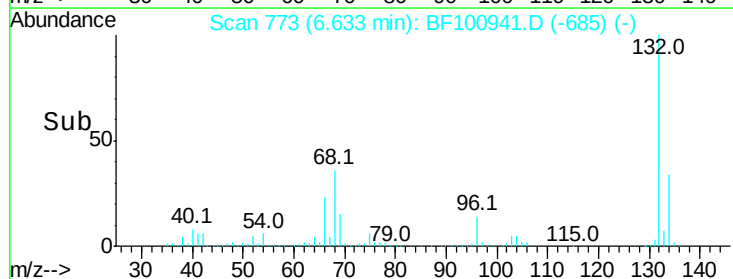
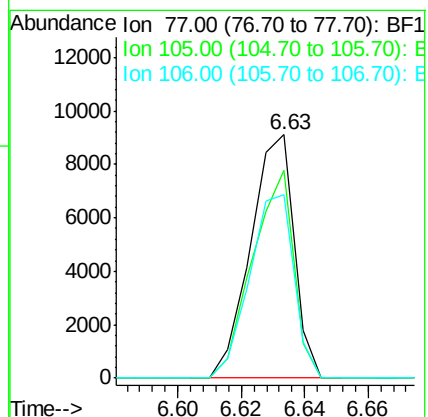
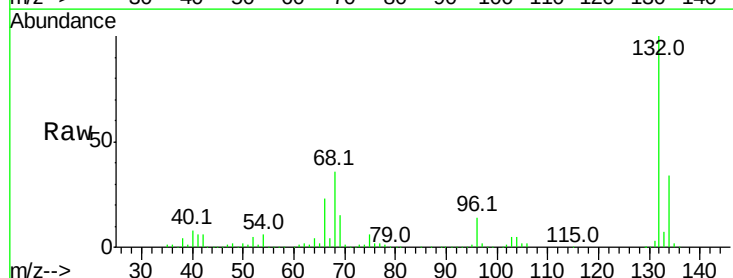
Tgt Ion: 77 Resp: 8671

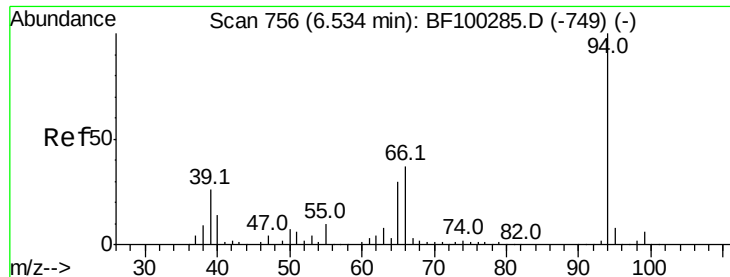
Ion Ratio Lower Upper

77 100

105 85.2 81.1 121.1

106 75.4 74.5 114.5





#10

Phenol

Concen: 2.887 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Instrument :

BNA_F

ClientSampled :

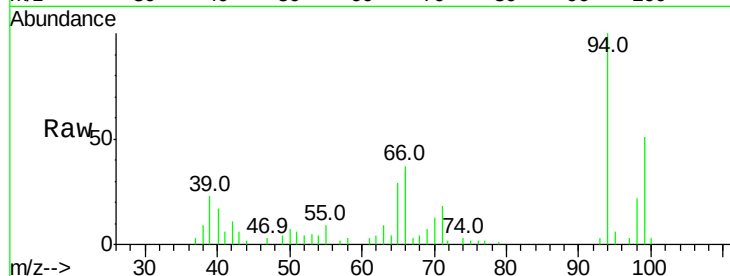
Tot Ion: 94 Resp: 15781

Ion Ratio Lower Upper

94 100

65 29.4 7.9 47.9

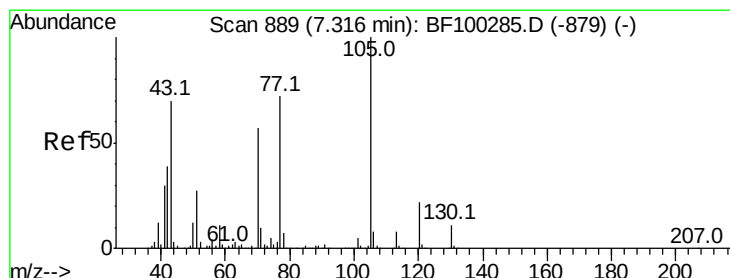
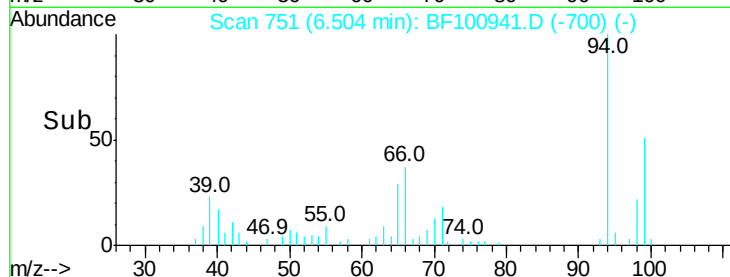
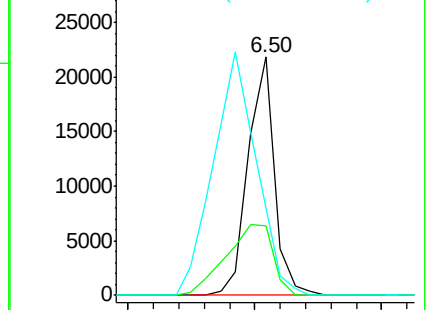
66 36.9 16.2 56.2



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: 10.276 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Tgt Ion: 70 Resp: 37111

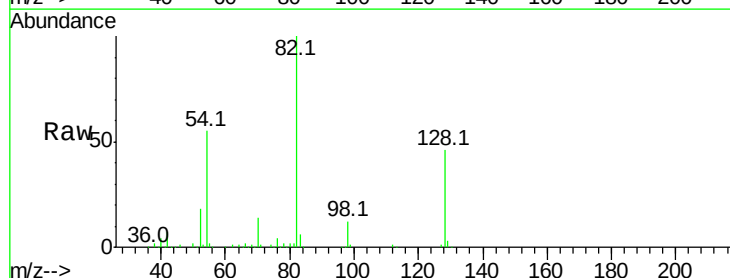
Ion Ratio Lower Upper

70 100

42 52.2 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

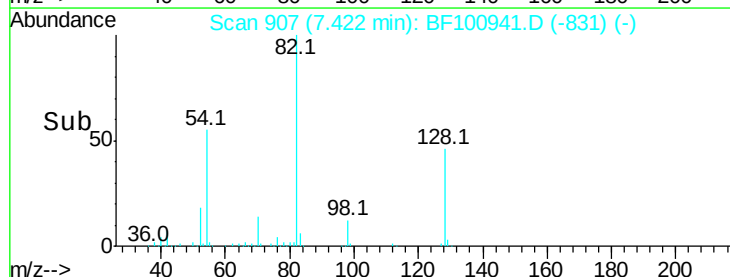
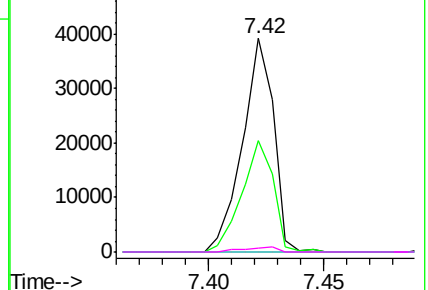


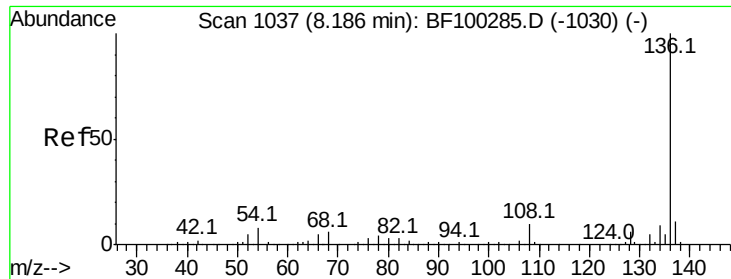
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

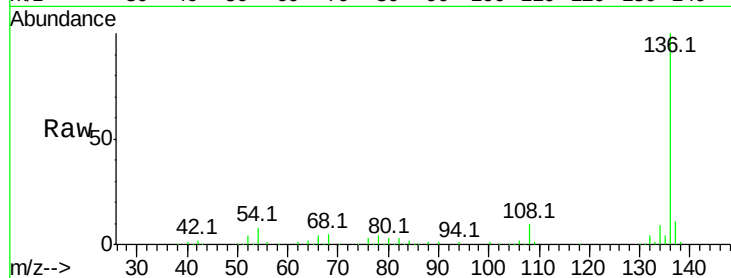




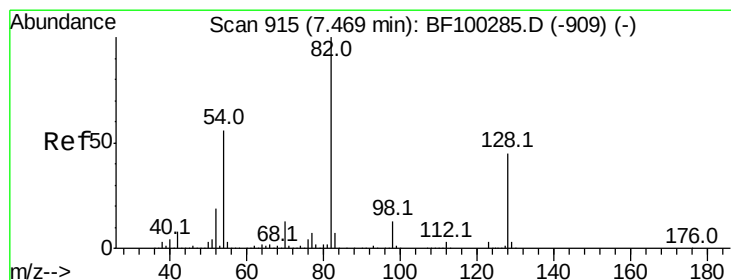
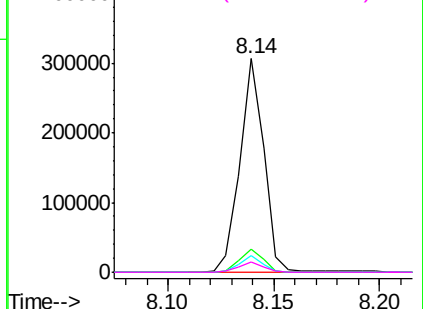
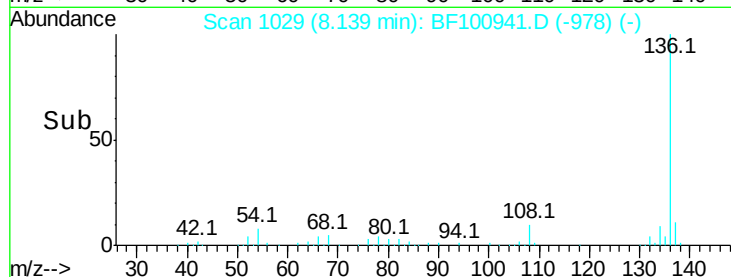
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	238628
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.0	6.6	9.8
68	4.9	5.0	7.4#

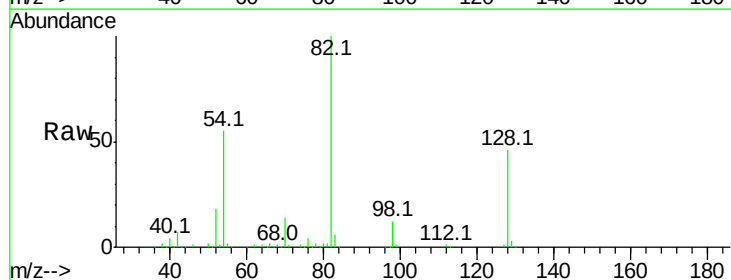


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

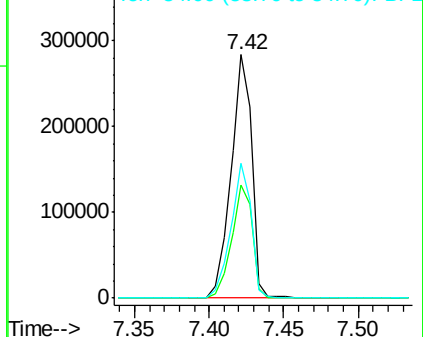
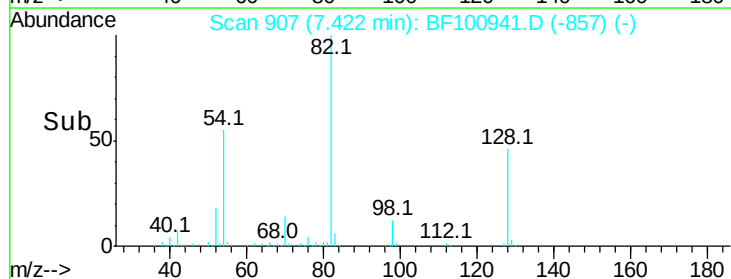


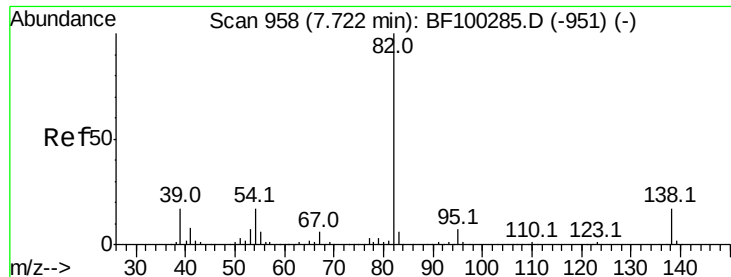
#23
Nitrobenzene-d5
Concen: 77.440 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Tgt Ion:	82	Resp:	279510
Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	55.2	41.4	62.2



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





#25

Isophorone

Concen: 36.850 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Instrument :

BNA_F

ClientSampleId :

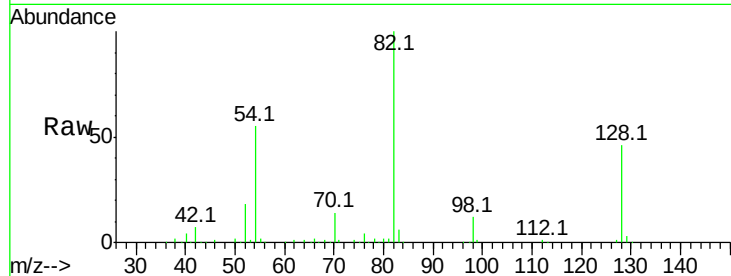
Tot Ion: 82 Resp: 279504

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

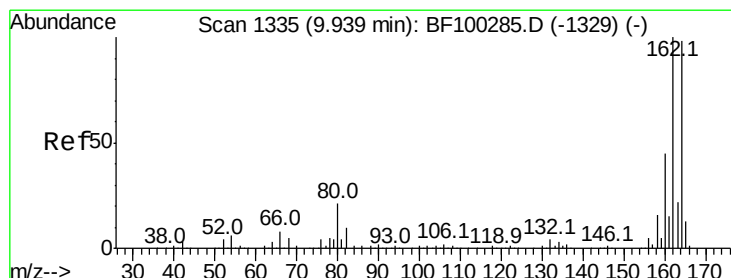
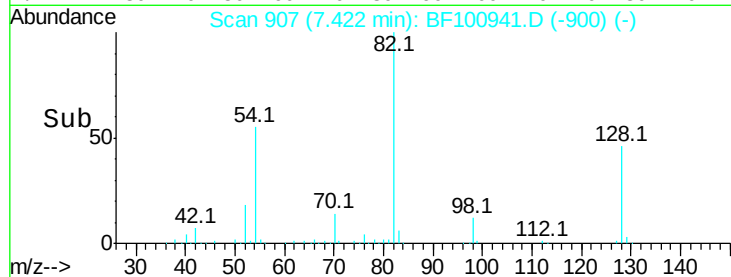
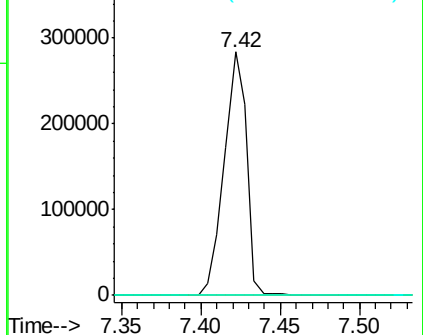
138 0.0 14.9 22.3#



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: 9.90 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

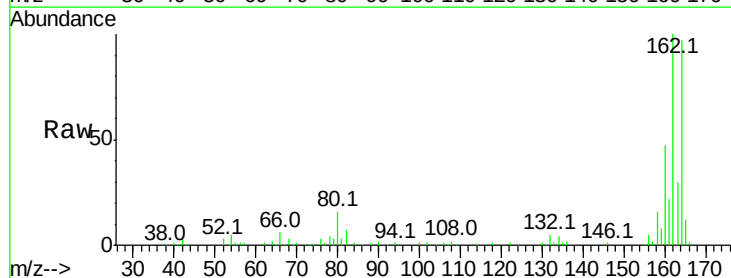
Tgt Ion:164 Resp: 94691

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

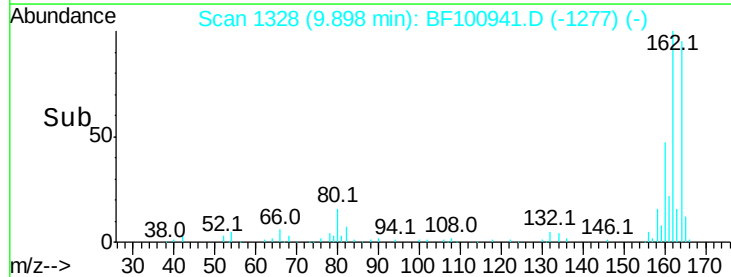
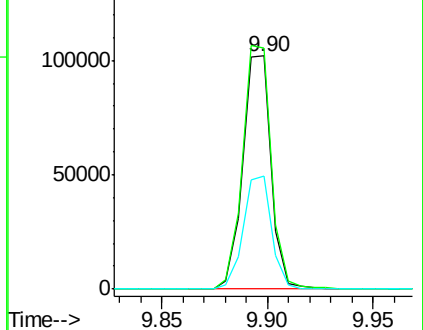
160 48.3 38.3 57.5

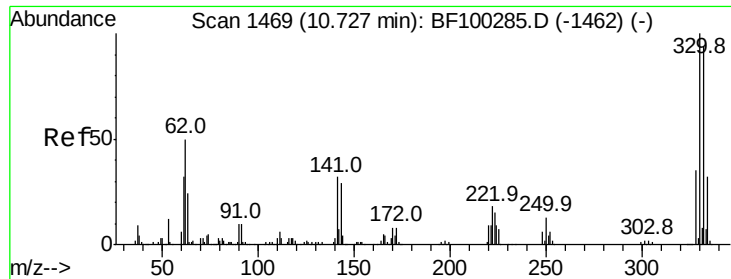


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

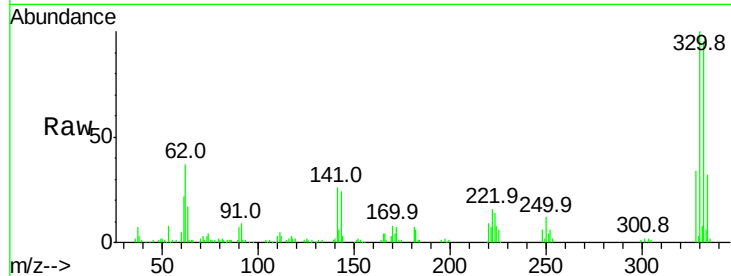




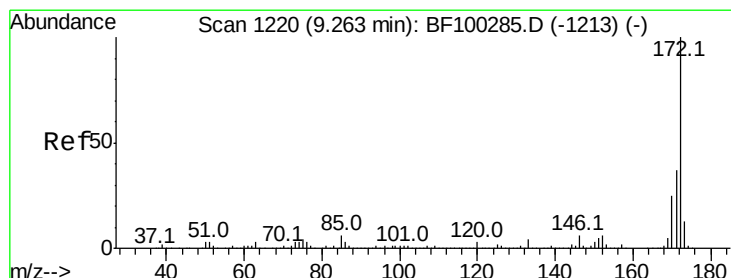
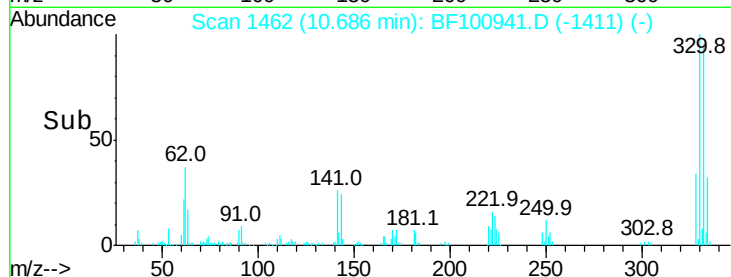
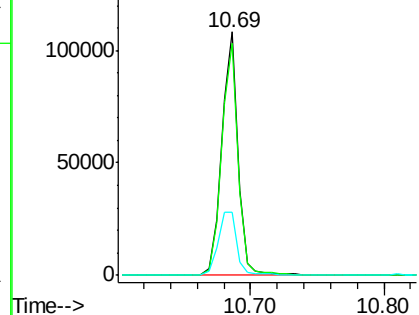
#41
 2,4,6-Tribromophenol
 Concen: 96.602 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	30.2	29.9	44.9

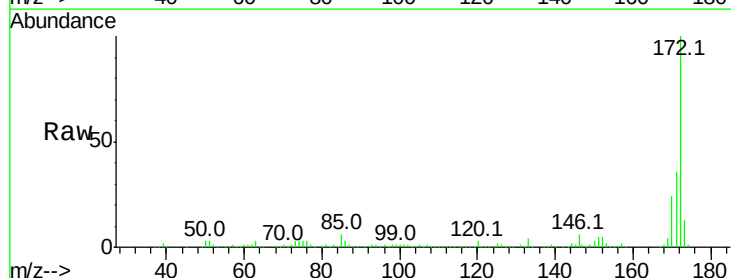


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

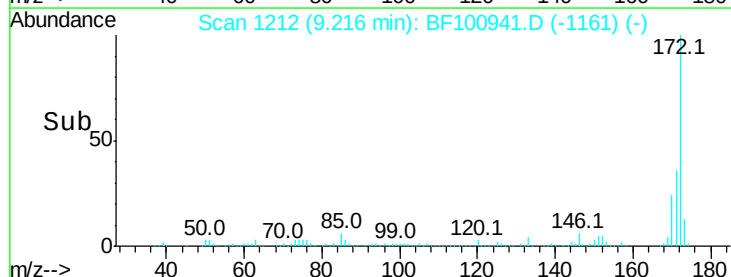
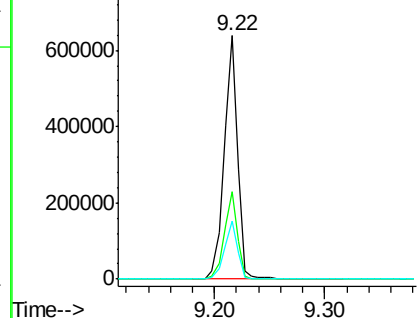


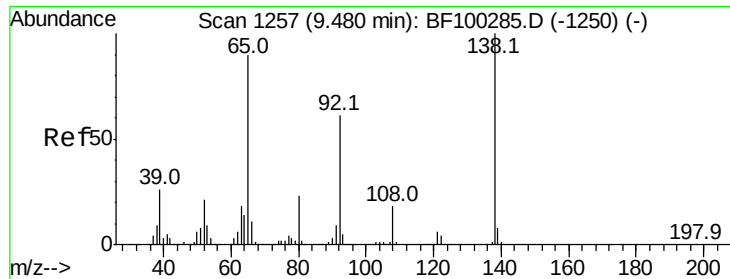
#44
 2-Fluorobiphenyl
 Concen: 87.183 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

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

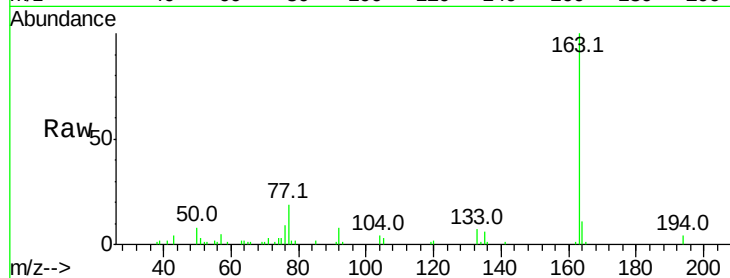




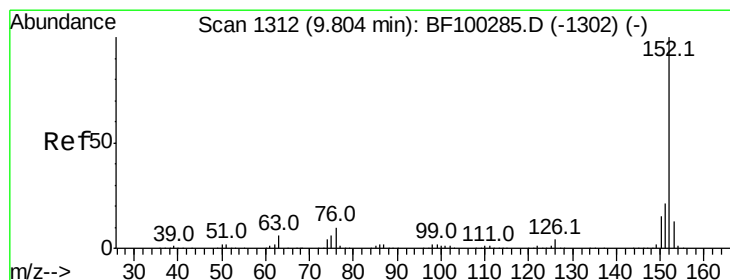
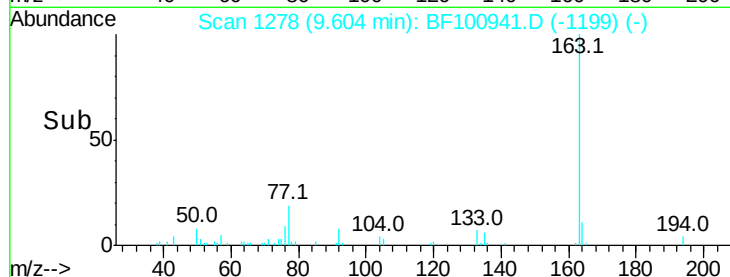
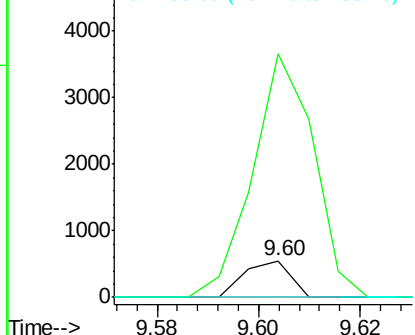
#47
2-Nitroaniline
Concen: 2.968 ng
RT: 9.60 min Scan# 1278
Delta R.T. 0.16 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Instrument :
BNA_F
ClientSampled :

Tot Ion: 65 Resp: 343
Ion Ratio Lower Upper
65 100
92 664.4 55.8 83.6#
138 0.0 91.2 136.8#

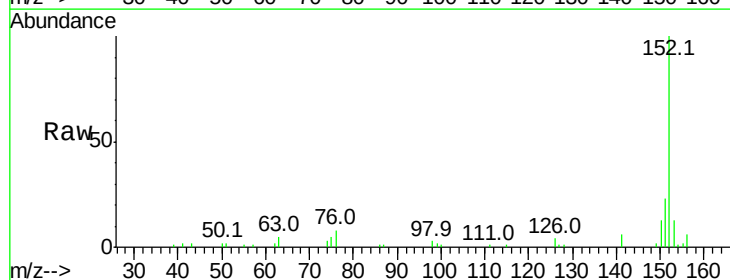


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

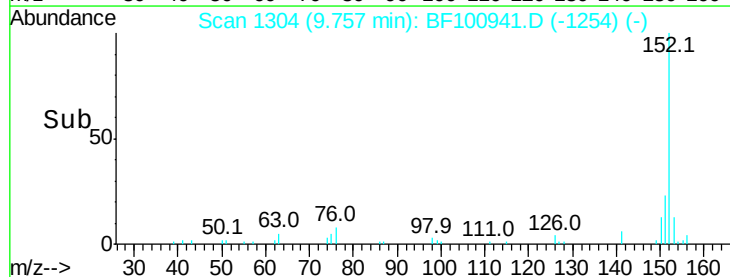
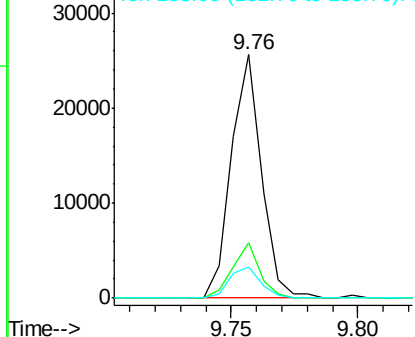


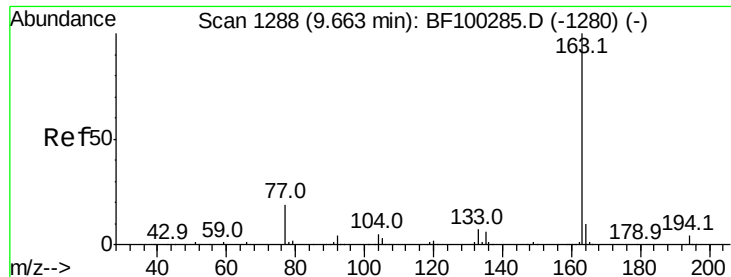
#48
Acenaphthylene
Concen: 2.145 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Tgt Ion: 152 Resp: 21118
Ion Ratio Lower Upper
152 100
151 22.8 16.3 24.5
153 12.6 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

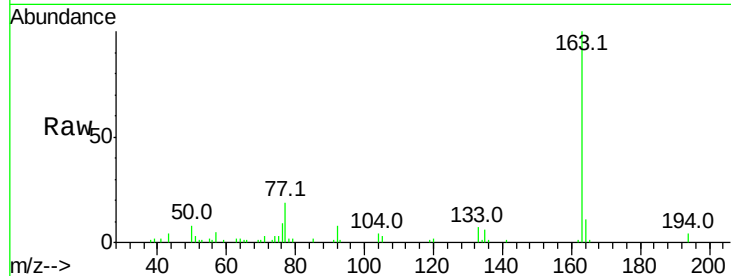




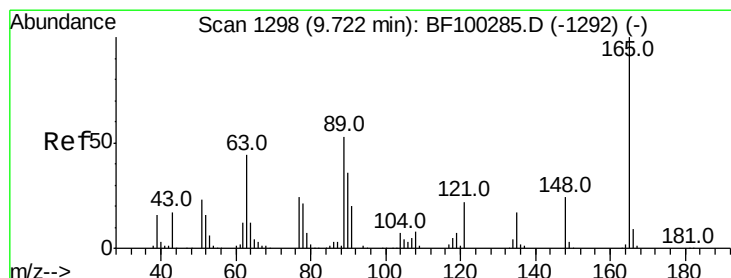
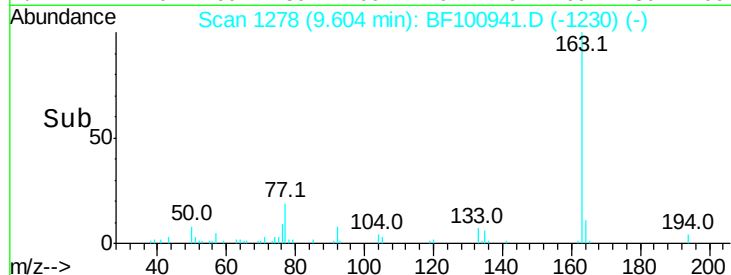
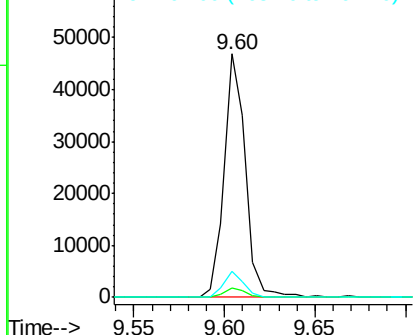
#49
Dimethylphthalate
Concen: 5.283 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 38198
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.5 8.2 12.2

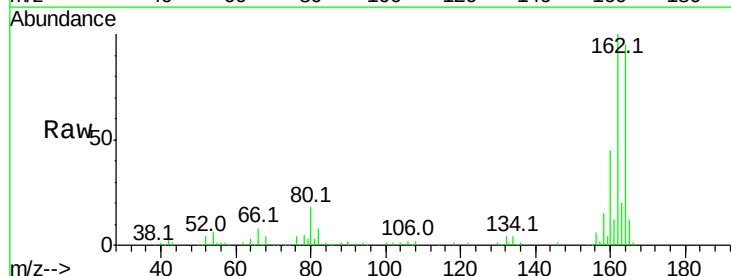


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

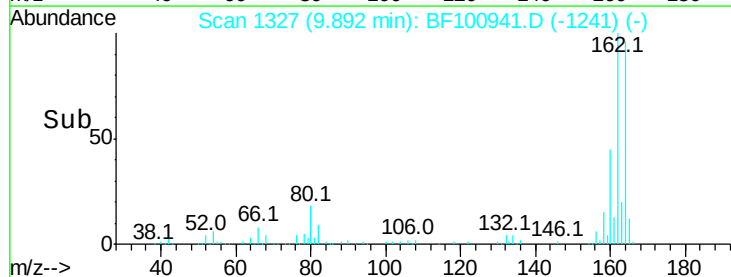
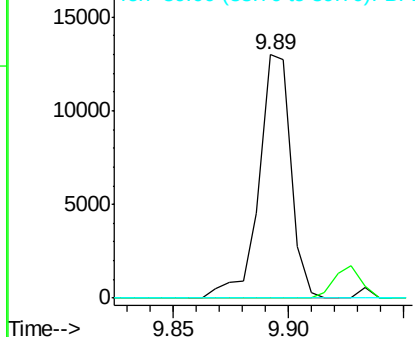


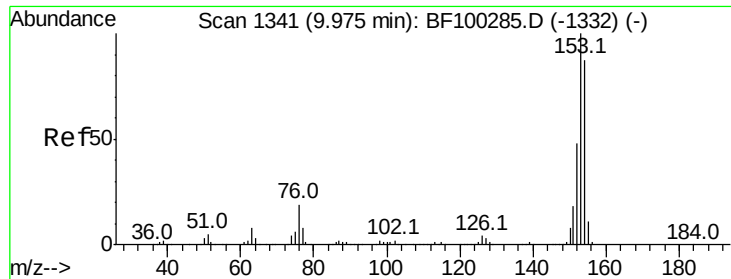
#50
2,6-Dinitrotoluene
Concen: 8.790 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Tgt Ion:165 Resp: 12579
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





#51

Acenaphthene

Concen: 2.956 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Instrument :

BNA_F

ClientSampleId :

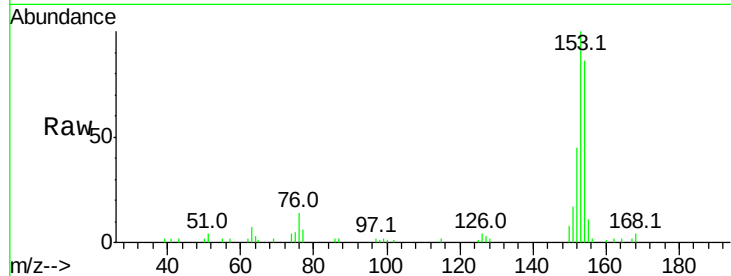
Tot Ion:154 Resp: 17702

Ion Ratio Lower Upper

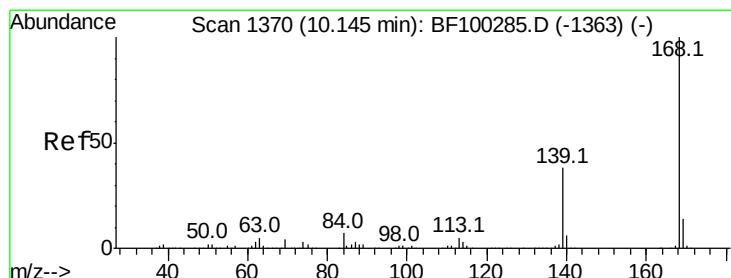
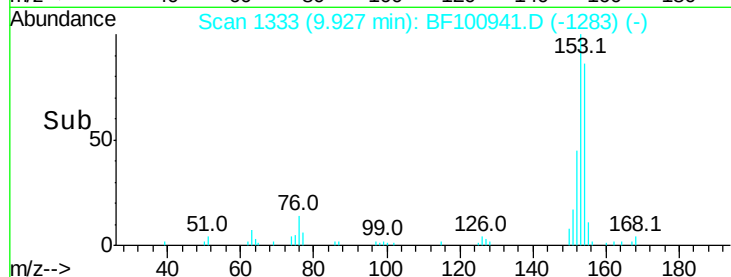
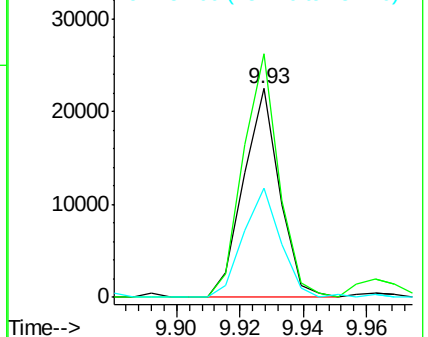
154 100

153 116.6 91.2 136.8

152 52.3 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.264 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

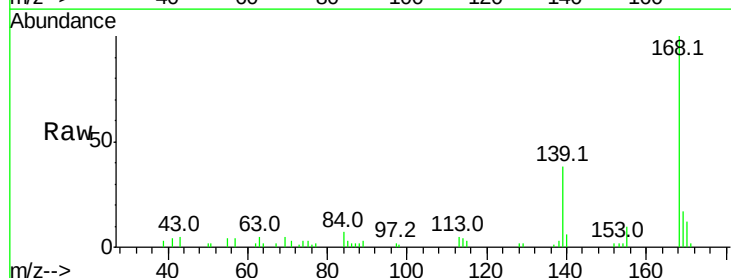
Tgt Ion:168 Resp: 19002

Ion Ratio Lower Upper

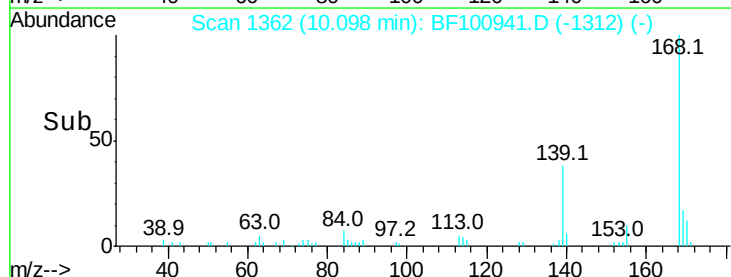
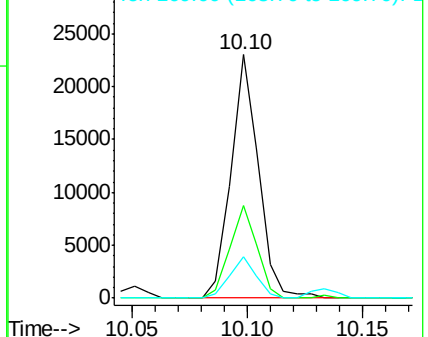
168 100

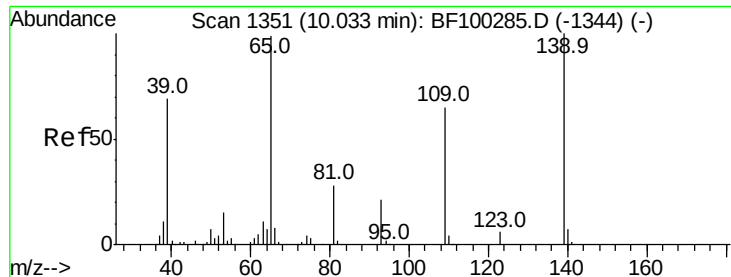
139 37.9 30.1 45.1

169 17.2 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 5.192 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.09 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Instrument :

BNA_F

ClientSampleId :

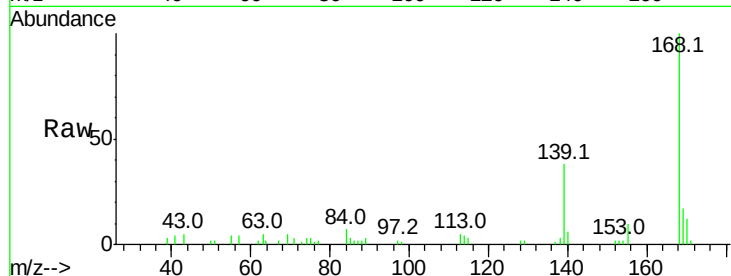
Tot Ion:139 Resp: 7125

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

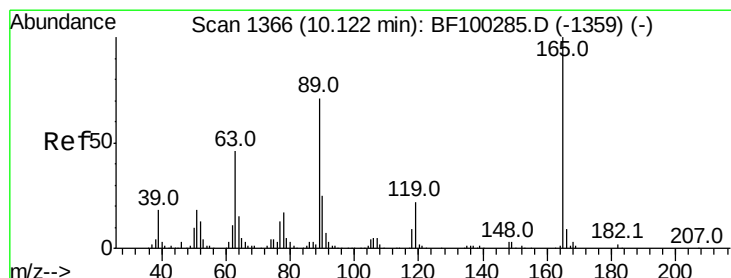
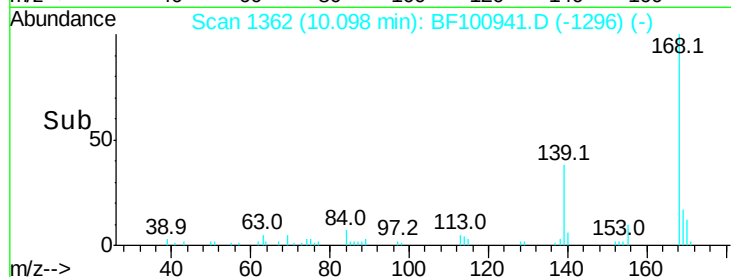
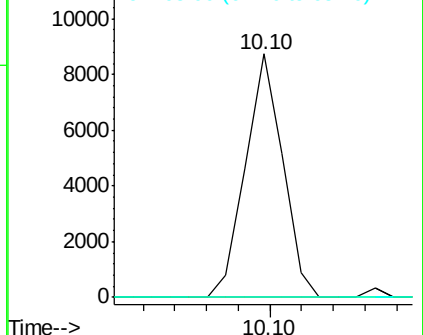
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 6.968 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Tgt Ion:165 Resp: 12579

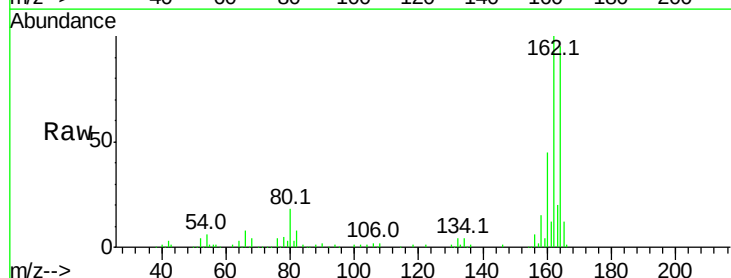
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

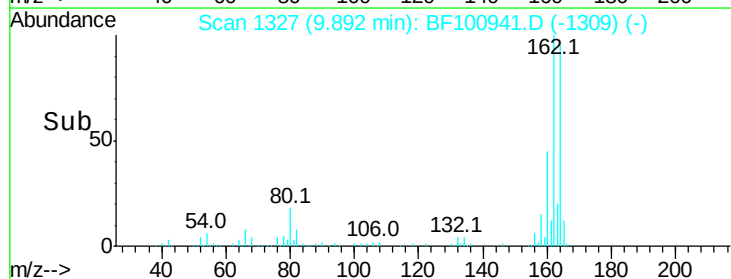
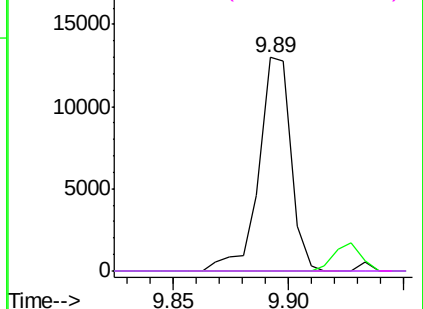


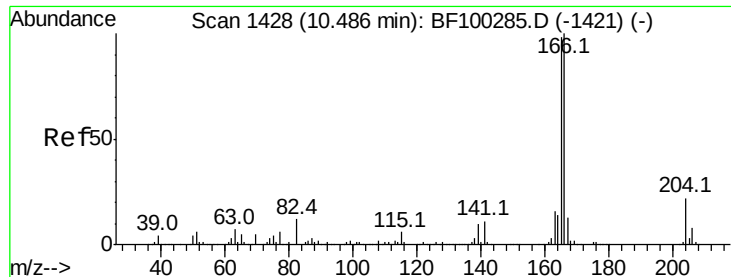
Abundance Ion 165.00 (164.70 to 165.70): E

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

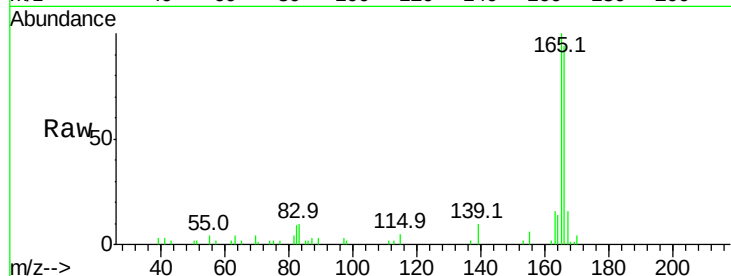




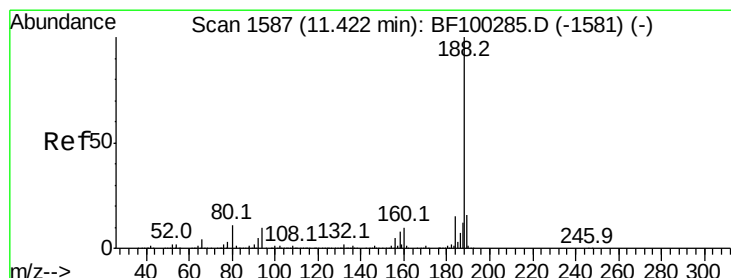
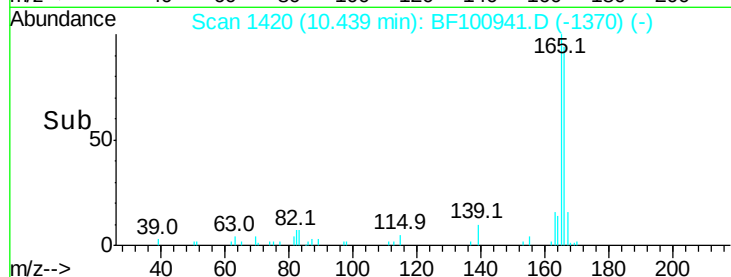
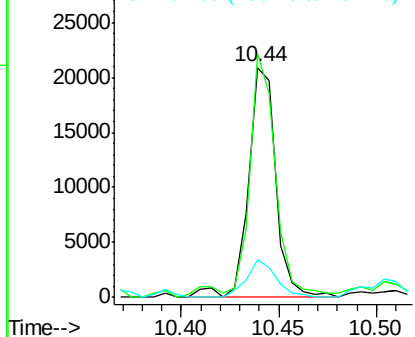
#57
Fluorene
 Concen: 3.323 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 20434
 Ion Ratio Lower Upper
 166 100
 165 106.0 79.8 119.8
 167 16.5 10.6 16.0#

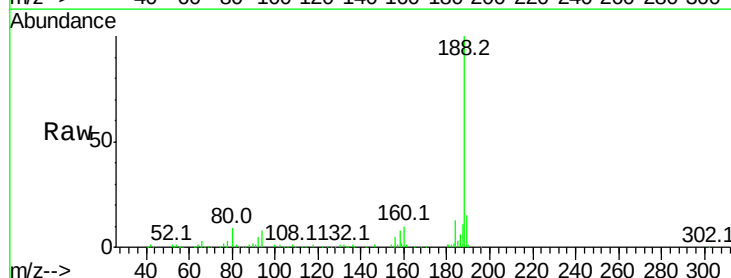


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

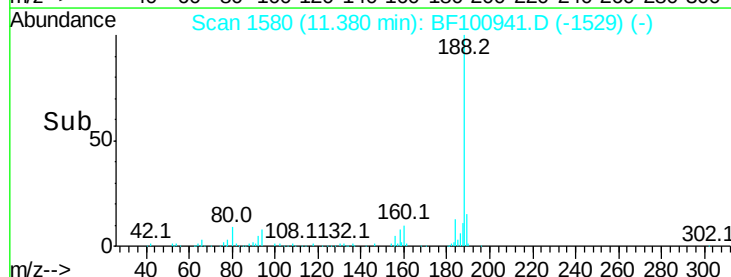
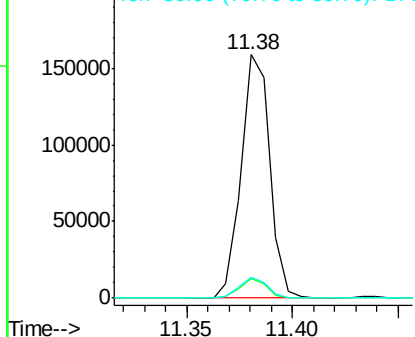


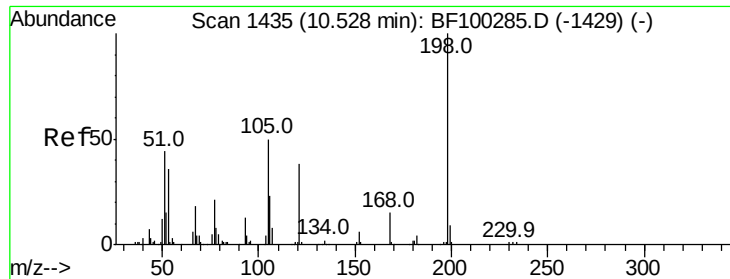
#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

Tgt Ion:188 Resp: 149230
 Ion Ratio Lower Upper
 188 100
 94 8.2 8.5 12.7#
 80 8.8 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 8.686 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.19 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Instrument :

BNA_F

ClientSampleId :

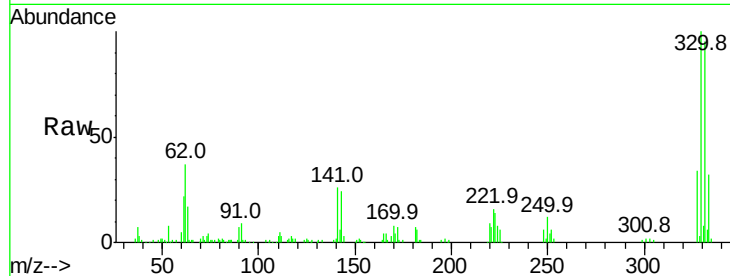
Tot Ion:198 Resp: 106

Ion Ratio Lower Upper

198 100

51 200.0 37.7 77.7#

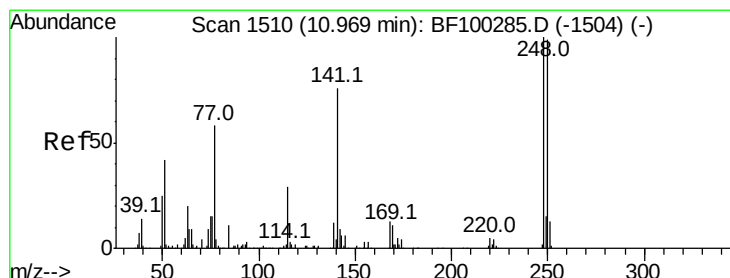
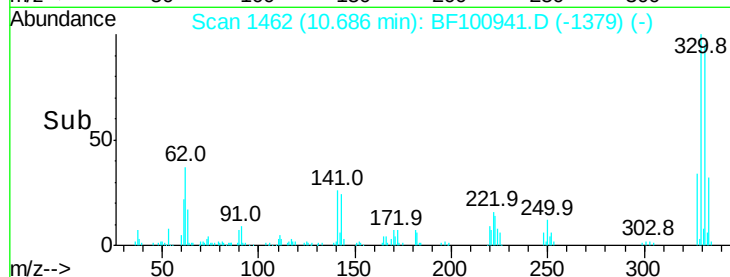
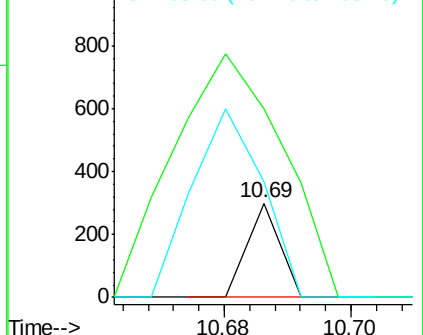
105 123.0 36.3 76.3#



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: 3.676 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.24 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

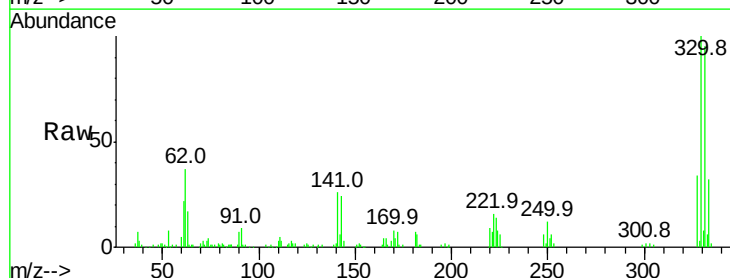
Tgt Ion:248 Resp: 5881

Ion Ratio Lower Upper

248 100

250 199.8 76.9 115.3#

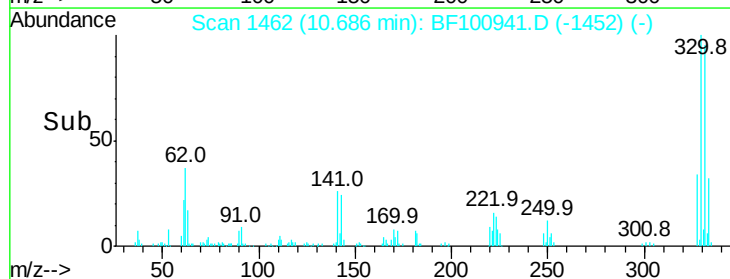
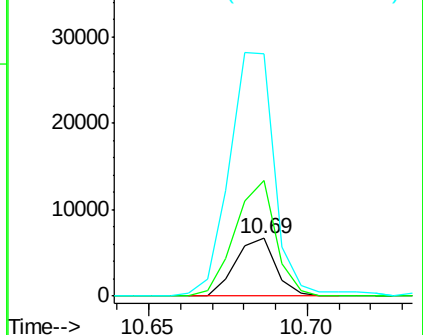
141 418.4 74.4 111.6#

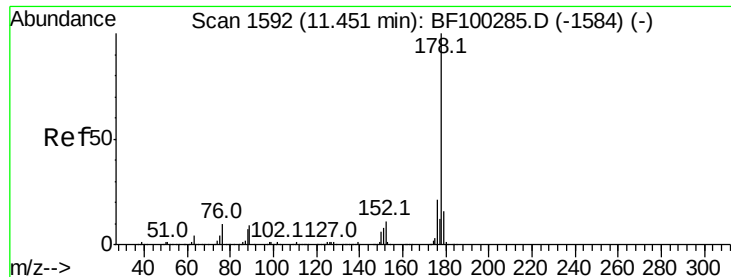


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 48.807 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Instrument :

BNA_F

ClientSampleId :

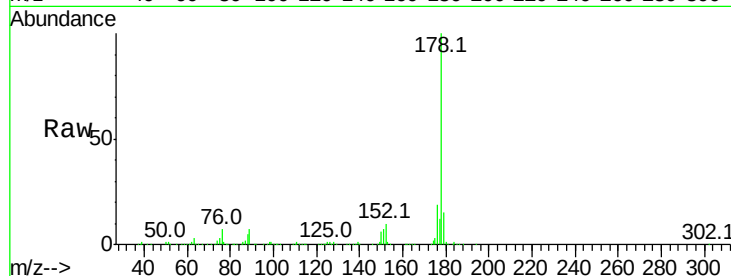
Tot Ion:178 Resp: 383488

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

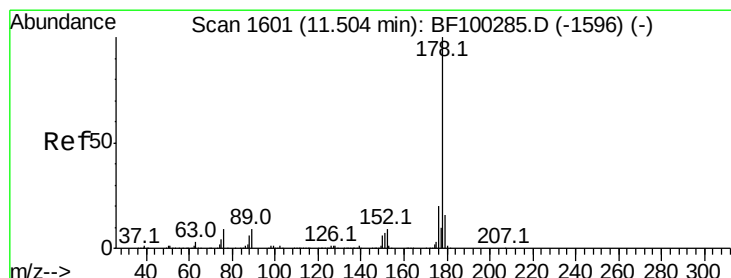
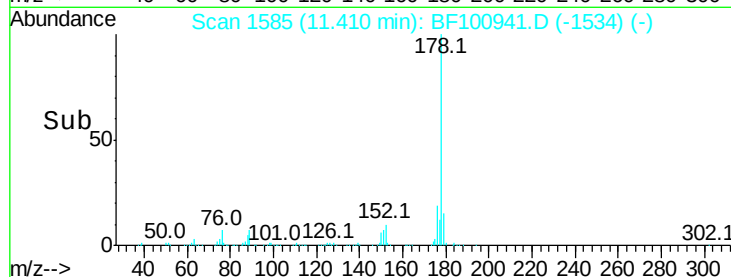
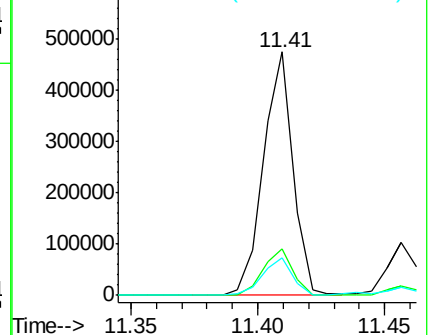
179 15.4 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 9.949 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

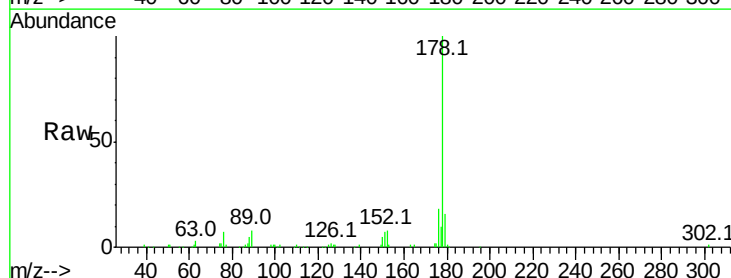
Tgt Ion:178 Resp: 79310

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

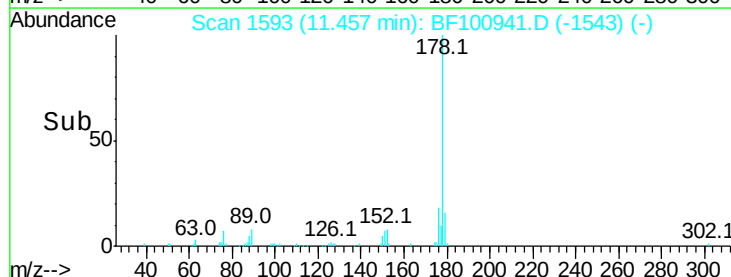
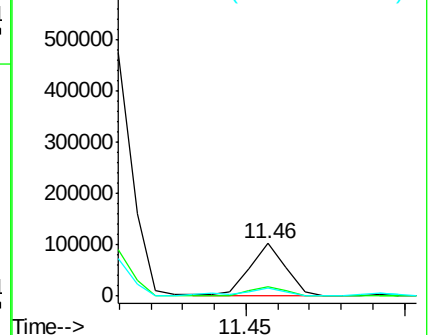
179 15.7 12.6 19.0

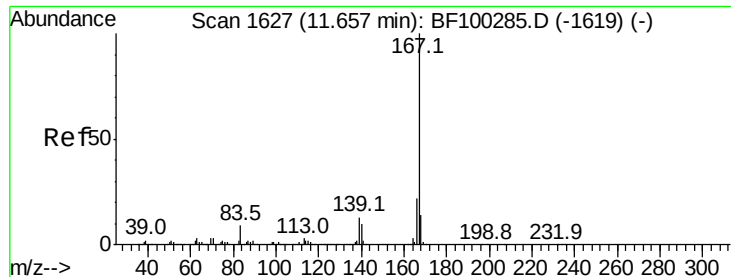


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

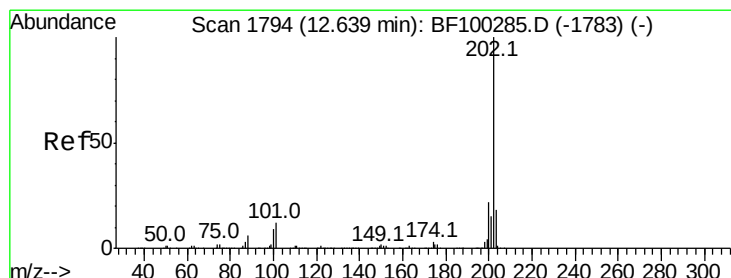
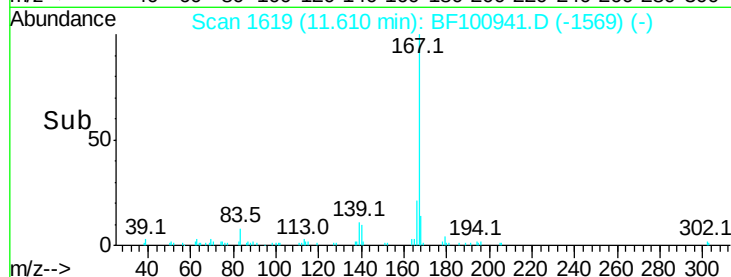
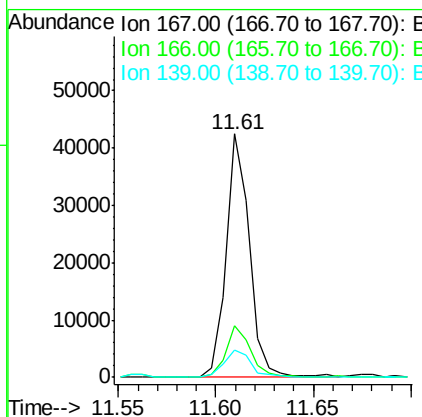
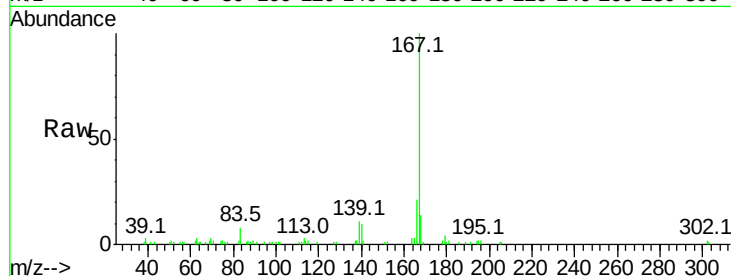




#72
 Carbazole
 Concen: 4.795 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

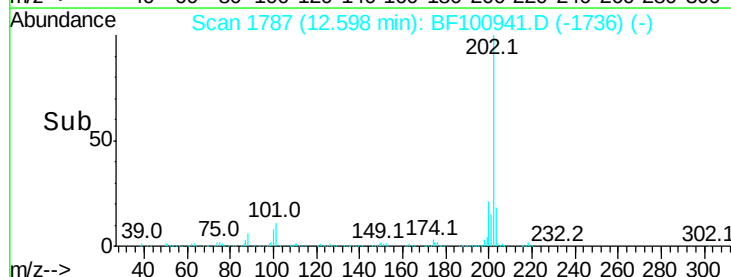
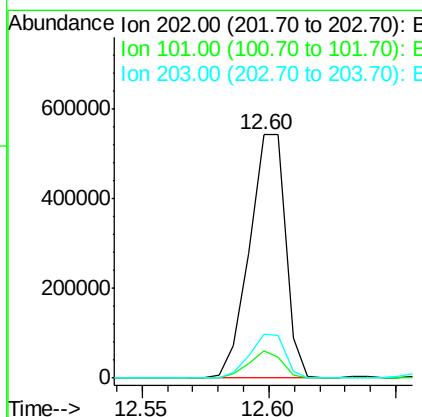
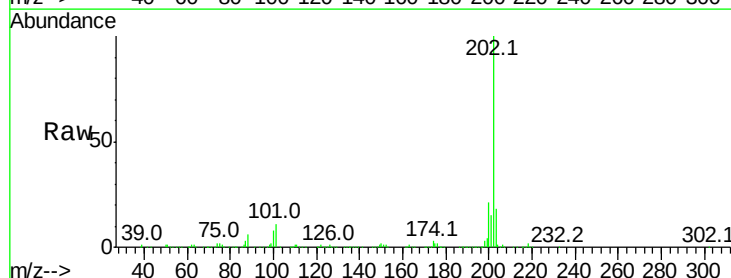
Instrument :
 BNA_F
 ClientSampled :

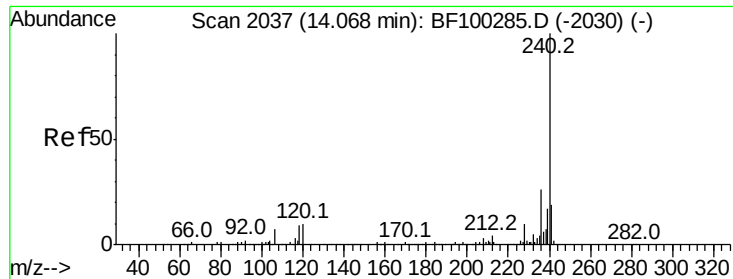
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.6	26.4
139	11.2	10.9	16.3



#74
 Fluoranthene
 Concen: 65.101 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	34.1
203	18.0	0.0	38.1

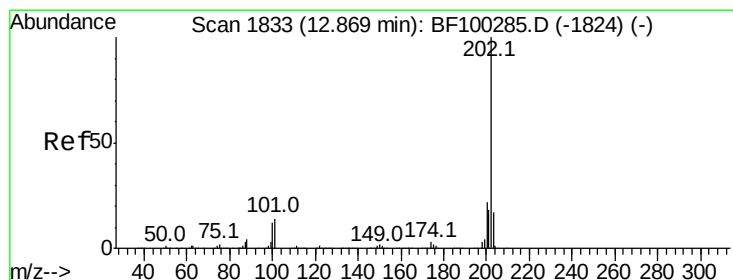
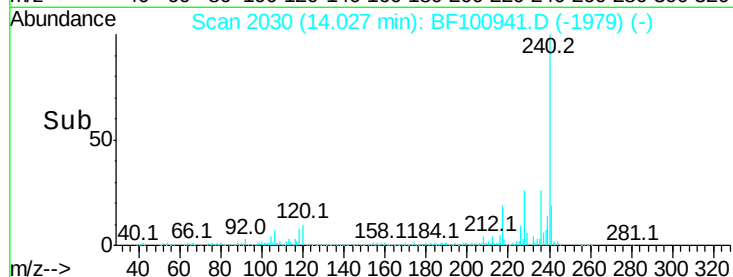
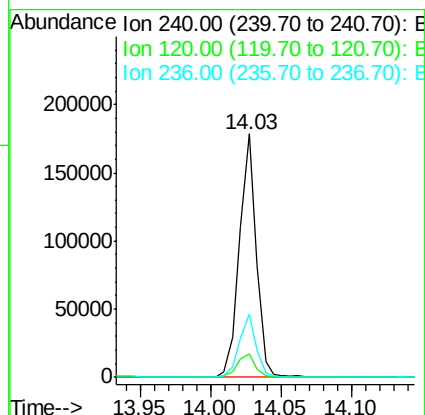
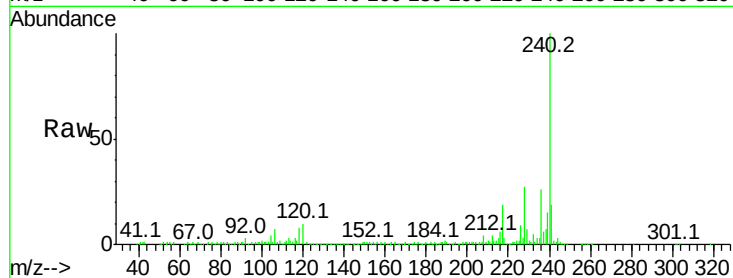




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

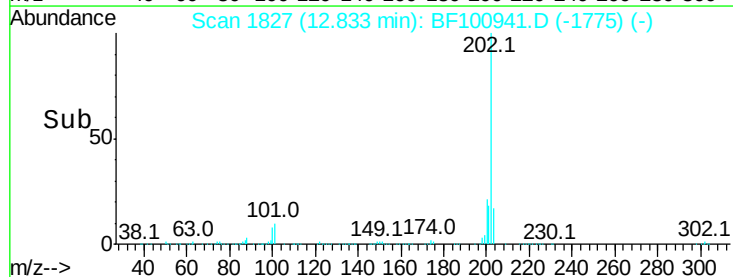
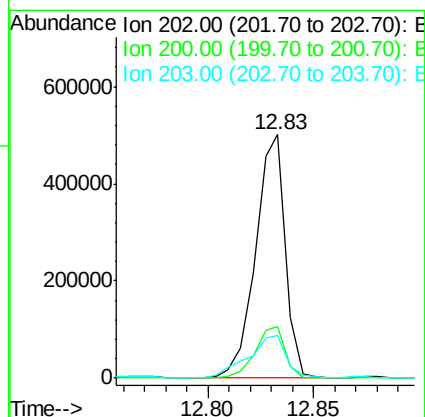
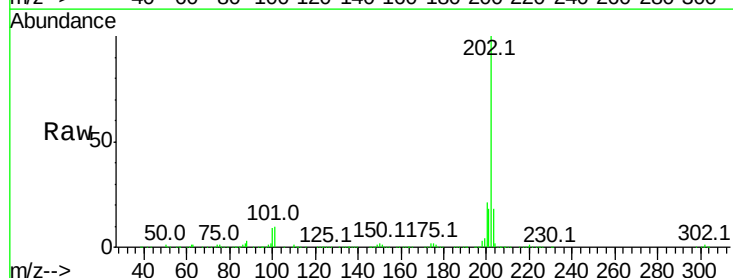
Instrument :
BNA_F
ClientSampleId :

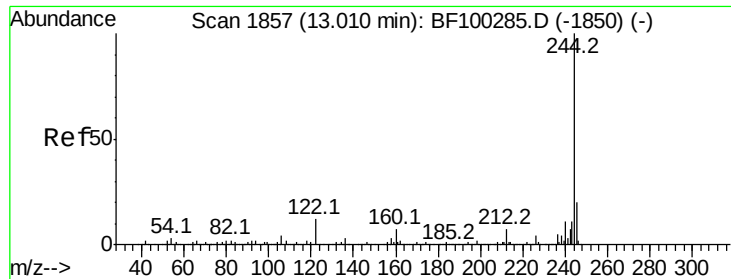
Tot Ion:240 Resp: 149693
Ion Ratio Lower Upper
240 100
120 9.7 9.5 14.3
236 26.0 20.7 31.1



#77
Pyrene
Concen: 45.837 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Tgt Ion:202 Resp: 489118
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 17.8 14.3 21.5





#78

Terphenyl-d14

Concen: 60.675 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Instrument :

BNA_F

ClientSampleId :

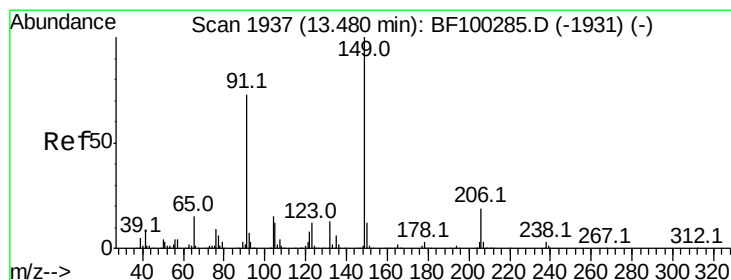
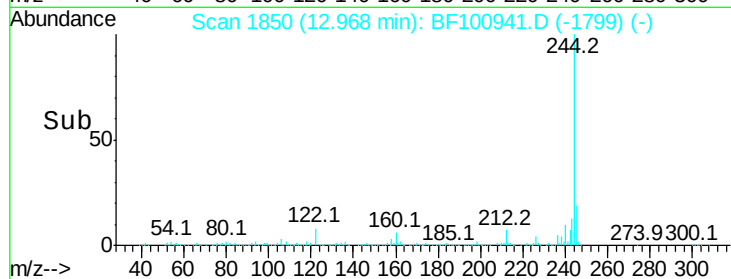
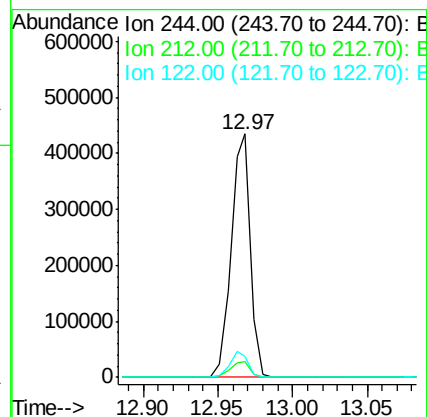
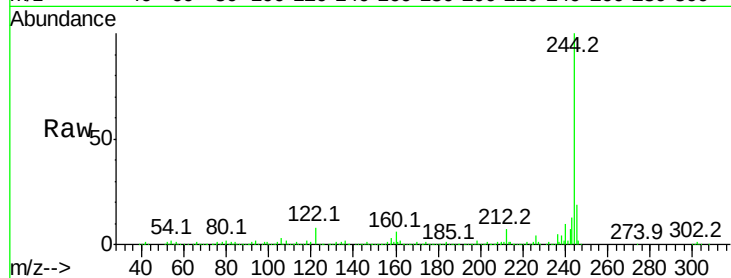
Tot Ion:244 Resp: 395292

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 8.5 11.0 16.4#



#79

Butylbenzylphthalate

Concen: 2.564 ng

RT: 13.44 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

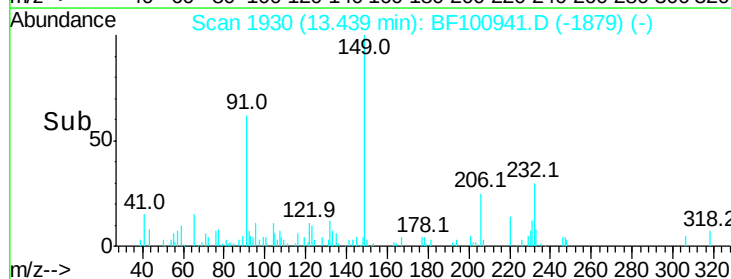
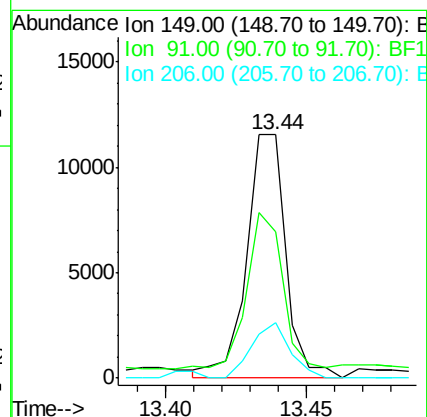
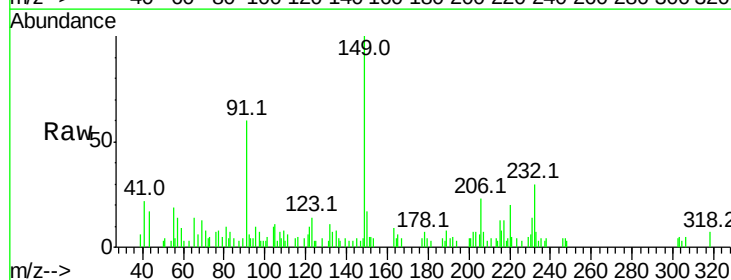
Tgt Ion:149 Resp: 11159

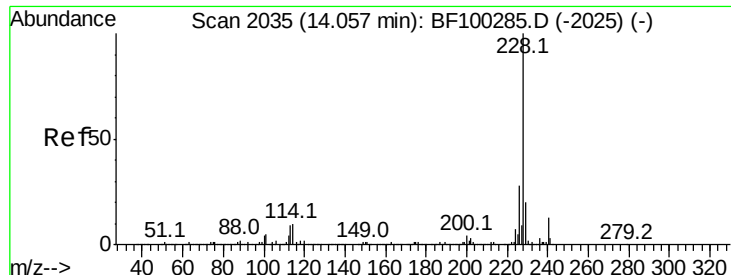
Ion Ratio Lower Upper

149 100

91 60.2 56.8 85.2

206 22.6 14.1 21.1#





#80

Benzo(a)anthracene

Concen: 31.603 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Instrument :

BNA_F

ClientSampleId :

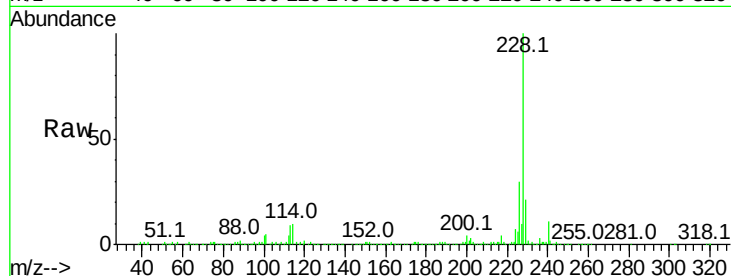
Tot Ion:228 Resp: 284884

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

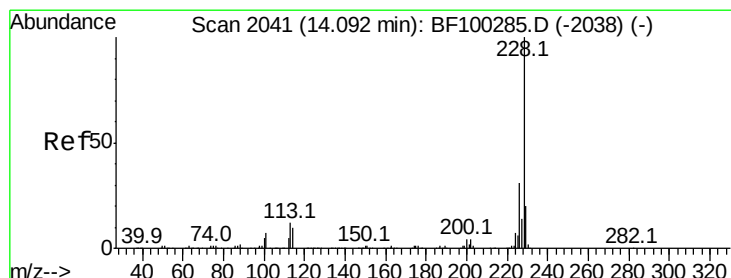
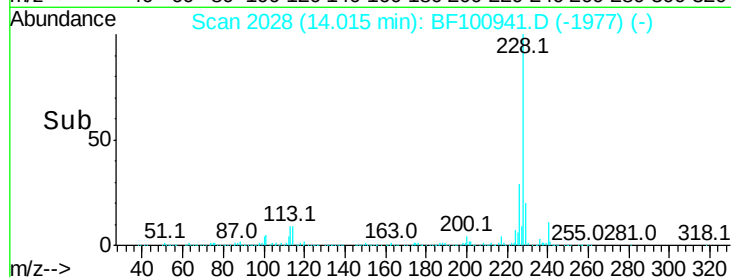
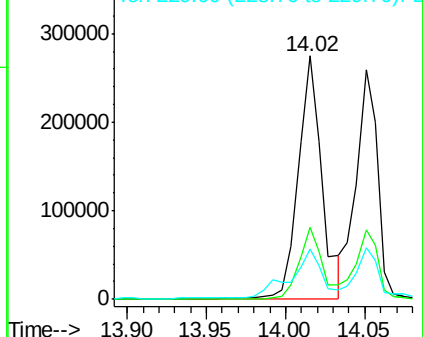
229 20.7 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 27.987 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

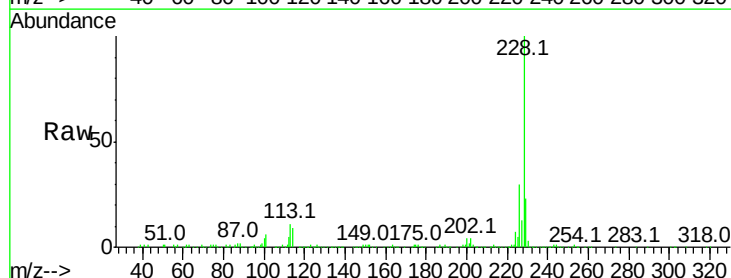
Tgt Ion:228 Resp: 244310

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

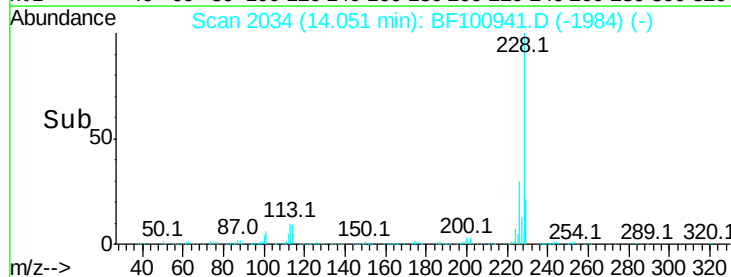
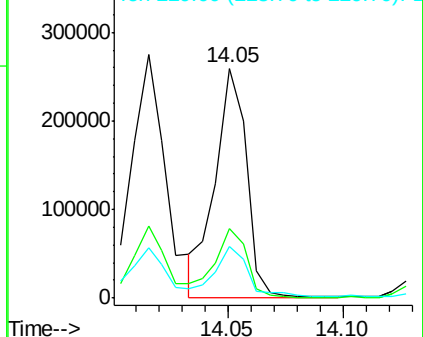
229 22.5 16.2 24.4

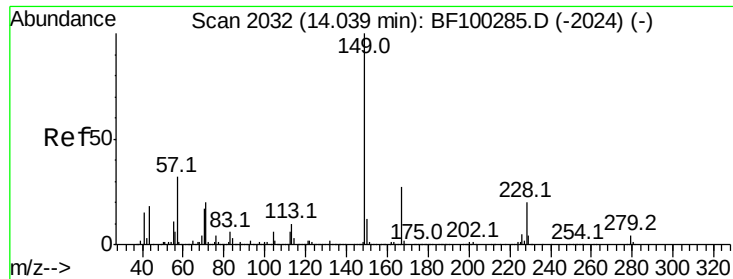


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

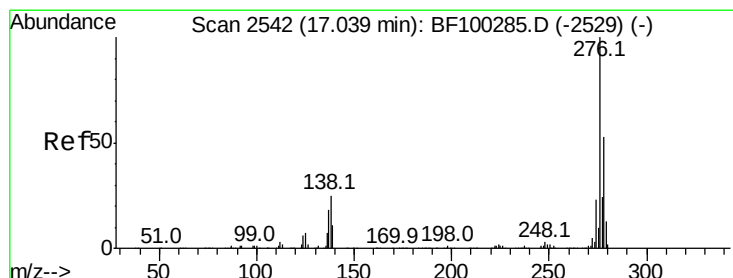
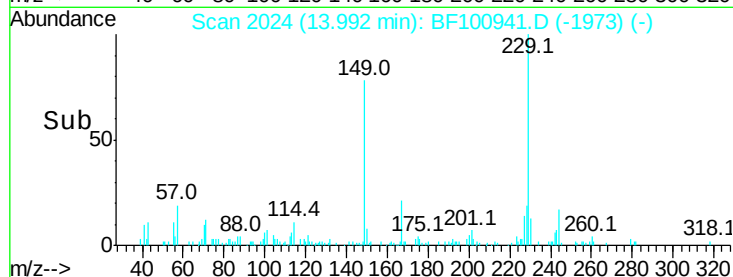
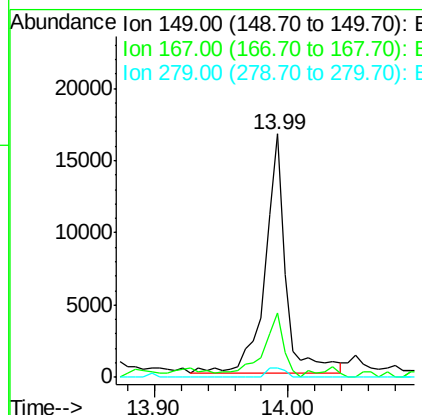
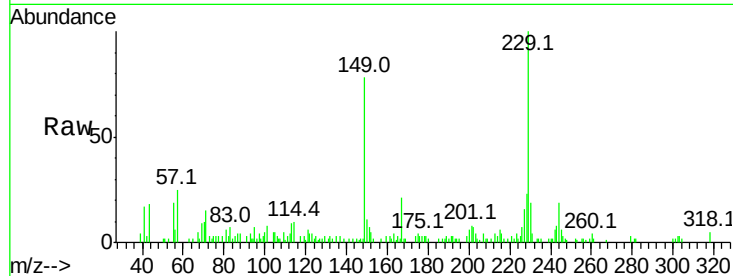




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.044 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.00 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

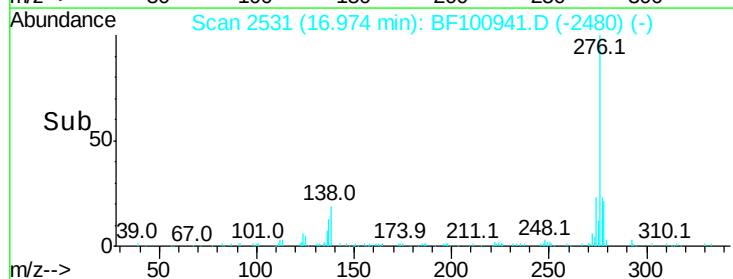
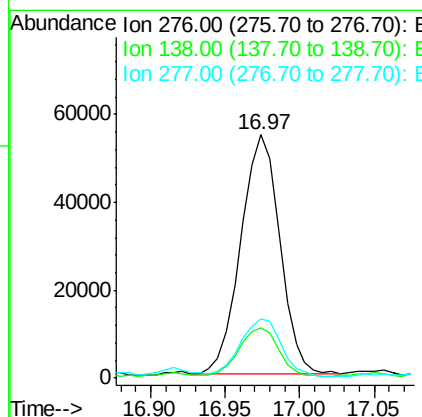
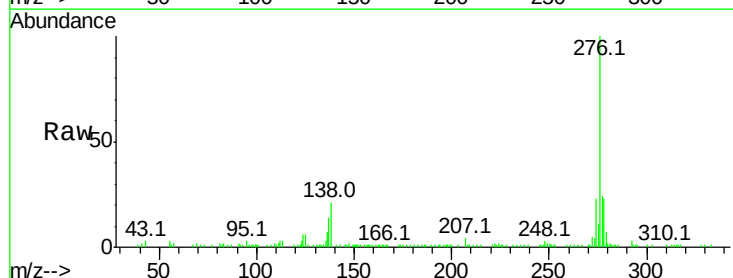
Instrument :
 BNA_F
 ClientSampleId :

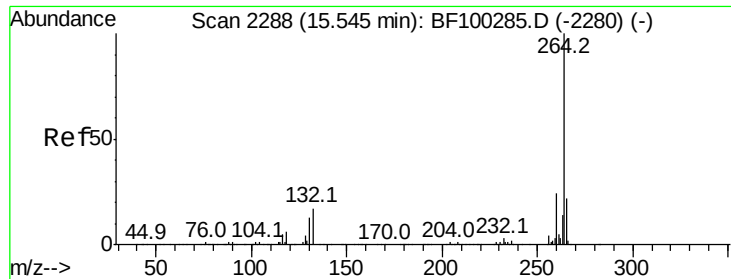
Tot Ion:149 Resp: 17423
 Ion Ratio Lower Upper
 149 100
 167 26.5 21.3 31.9
 279 3.9 3.0 4.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.045 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.00 min
 Lab File: BF100941.D
 Acq: 28 Nov 2017 18:33

Tgt Ion:276 Resp: 99164
 Ion Ratio Lower Upper
 276 100
 138 20.0 25.0 37.6#
 277 24.5 20.1 30.1

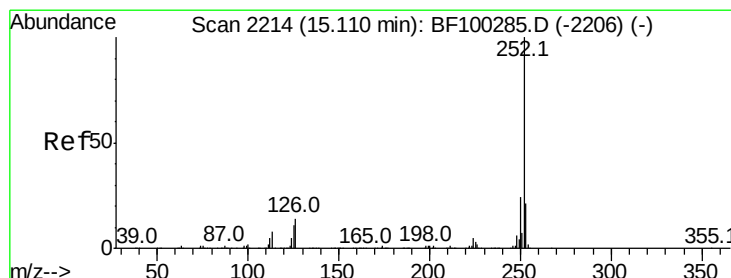
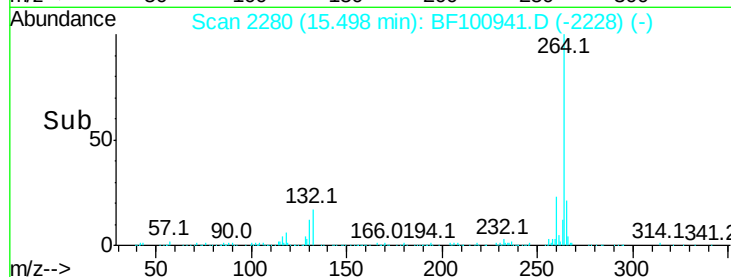
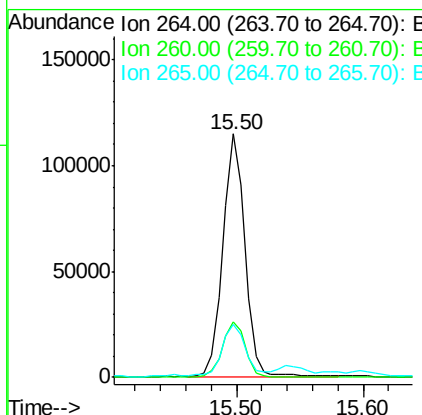
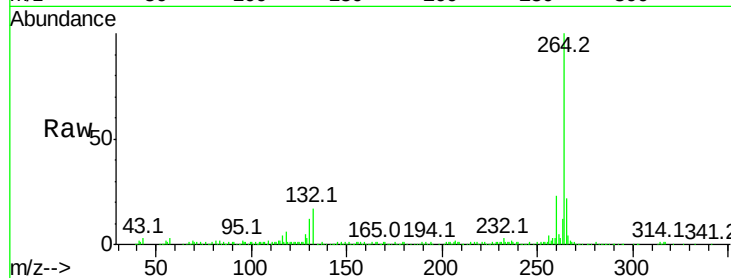




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

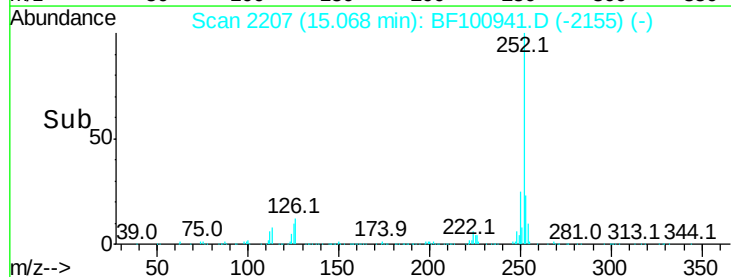
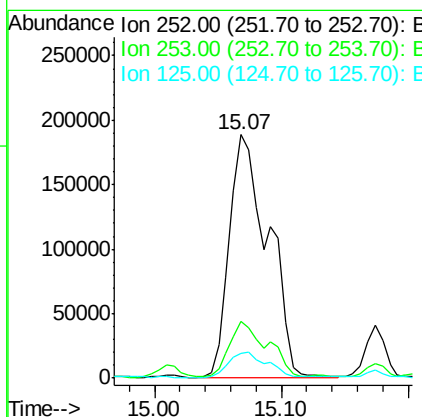
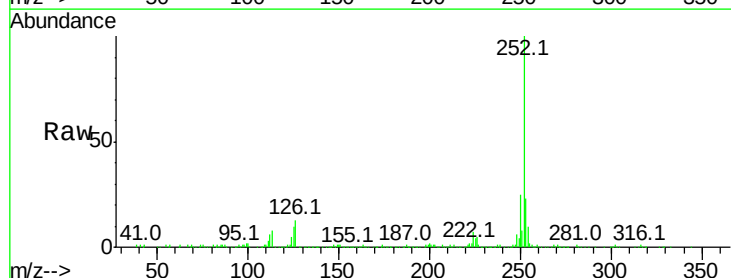
Instrument :
BNA_F
ClientSampleId :

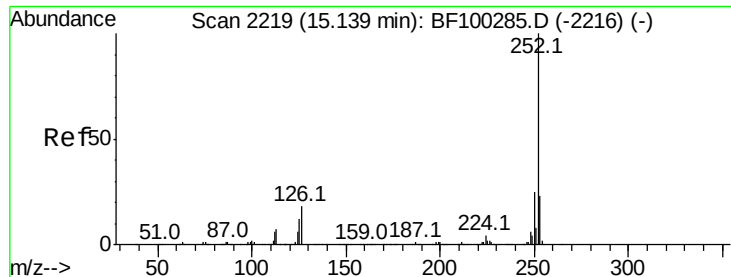
Tot Ion:264 Resp: 137735
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 21.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 48.851 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Tgt Ion:252 Resp: 398625
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 10.2 9.0 13.6

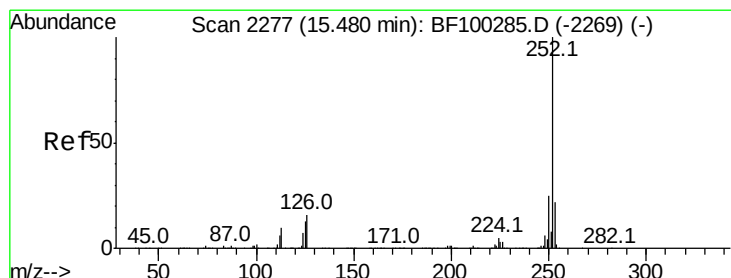
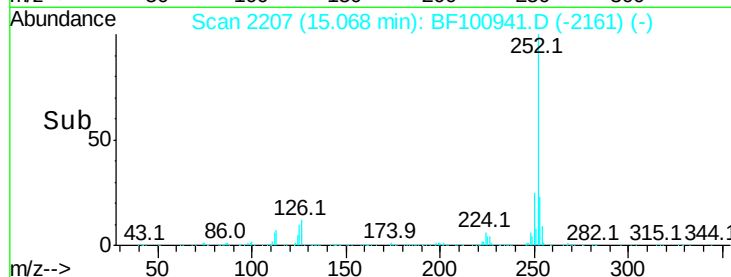
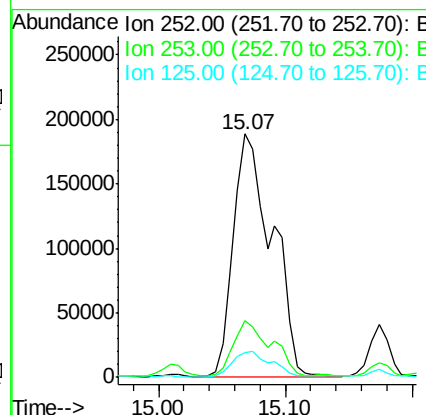
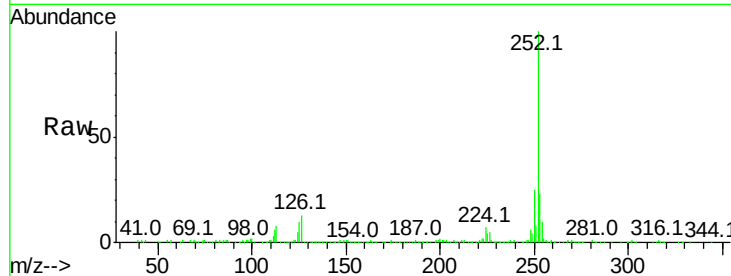




#88
Benzo(k)fluoranthene
Concen: 51.702 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.03 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

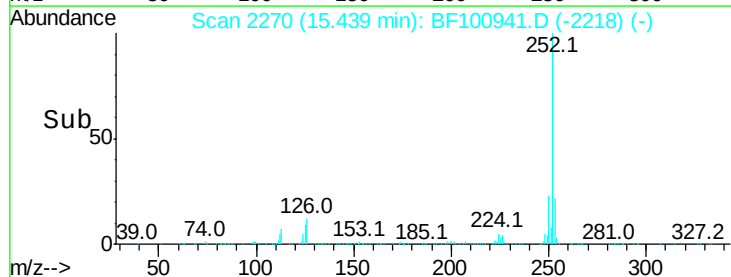
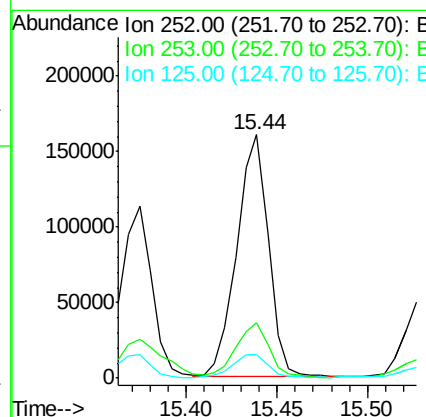
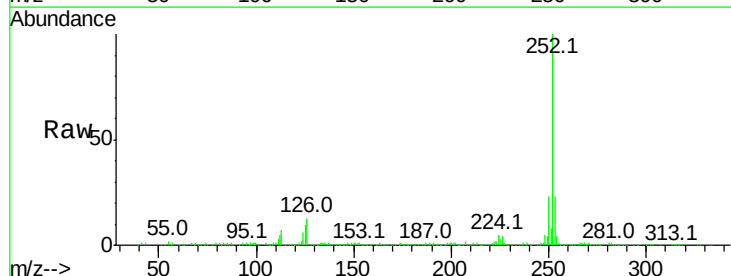
Instrument :
BNA_F
ClientSampleId :

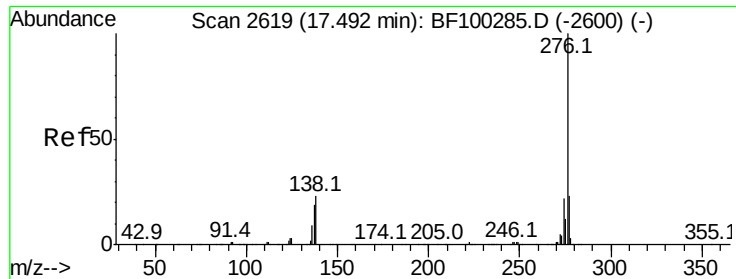
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	10.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 26.946 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF100941.D
Acq: 28 Nov 2017 18:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	9.9	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 16.256 ng

RT: 17.42 min Scan# 2607

Delta R.T. -0.00 min

Lab File: BF100941.D

Acq: 28 Nov 2017 18:33

Instrument :

BNA_F

ClientSampleId :

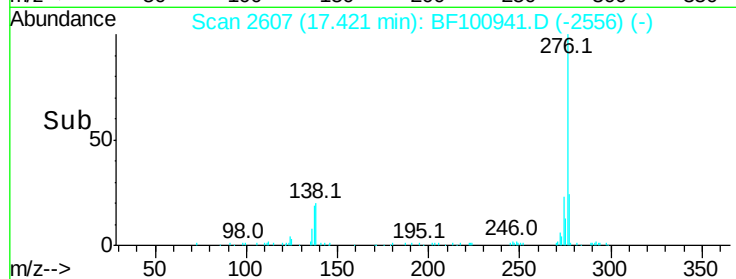
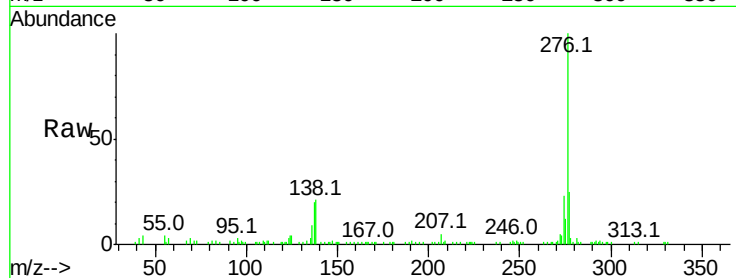
Tot Ion:276 Resp: 94145

Ion Ratio Lower Upper

276 100

277 25.1 17.9 26.9

138 21.0 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

