

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103895.D
 Acq On : 23 Mar 2018 22:45
 Operator : JU/SJ
 Sample : J1996-02 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 24 00:52:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	140394	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	536757	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	217903	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	333595	20.00	ng	0.00
75) Chrysene-d12	14.17	240	232062	20.00	ng	0.00
86) Perylene-d12	15.72	264	202795	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	216596	23.47	ng	0.00
7) Phenol-d6	6.59	99	274658	24.32	ng	-0.01
23) Nitrobenzene-d5	7.53	82	153759	19.98	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	38760	20.69	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	275718	20.18	ng	0.00
78) Terphenyl-d14	13.10	244	212437	21.25	ng	0.00

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.53	70	19789	2.734	ng	# 73
25) Isophorone	7.53	82	153757	8.629	ng	# 64
26) 2-Nitrophenol	7.83	139	1016	9.683	ng	# 1
31) Naphthalene	8.28	128	799717	29.494	ng	# 99
32) Benzoic acid	8.03	122	7112	10.953	ng	# 21
33) 4-Chloroaniline	8.28	127	106263	9.342	ng	# 32
37) 2-Methylnaphthalene	8.97	142	272794	15.865	ng	# 96
45) 1,1'-Biphenyl	9.43	154	106370	5.854	ng	# 97
47) 2-Nitroaniline	9.53	65	1254	7.099	ng	# 47
48) Acenaphthylene	9.88	152	624770	27.918	ng	# 100
50) 2,6-Dinitrotoluene	9.70	165	1762	4.486	ng	# 30
51) Acenaphthene	10.05	154	77619	5.841	ng	# 97
52) 3-Nitroaniline	10.22	138	6479	5.362	ng	# 13
54) Dibenzofuran	10.22	168	418587	22.056	ng	# 100
55) 4-Nitrophenol	10.22	139	157152	53.394	ng	# 10
56) 2,4-Dinitrotoluene	10.19	165	2632	6.776	ng	# 61
57) Fluorene	10.57	166	615696	41.809	ng	# 99
61) 4-Nitroaniline	10.57	138	7058	5.503	ng	# 25
64) 4,6-Dinitro-2-methylphenol	10.83	198	113	8.217	ng	# 1
70) Phenanthrene	11.55	178	2471057	135.412	ng	# 99
71) Anthracene	11.59	178	858709	46.331	ng	# 99
72) Carbazole	11.74	167	299739	16.639	ng	# 100
74) Fluoranthene	12.75	202	2699586	143.595	ng	# 99
77) Pyrene	12.98	202	2579464	151.355	ng	# 99
80) Benzo(a)anthracene	14.20	228	1193023	81.216	ng	# 93
82) Chrysene	14.20	228	1193023	85.199	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.13	276	115062	9.409	ng	# 94
87) Benzo(b)fluoranthene	15.27	252	1695356	132.325	ng	# 96
88) Benzo(k)fluoranthene	15.27	252	1695356	137.656	ng	# 99
89) Benzo(a)pyrene	15.66	252	894596	76.983	ng	# 96
90) Dibenzo(a,h)anthracene	17.32	278	132863	13.204	ng	# 94
91) Benzo(a,h,i)perylene	17.80	276	538529	55.013	ng	# 96

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Quant Time: Mar 24 00:52:04 2018
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QLast Update : Fri Mar 23 13:26:17 2018
Response via : Initial Calibration

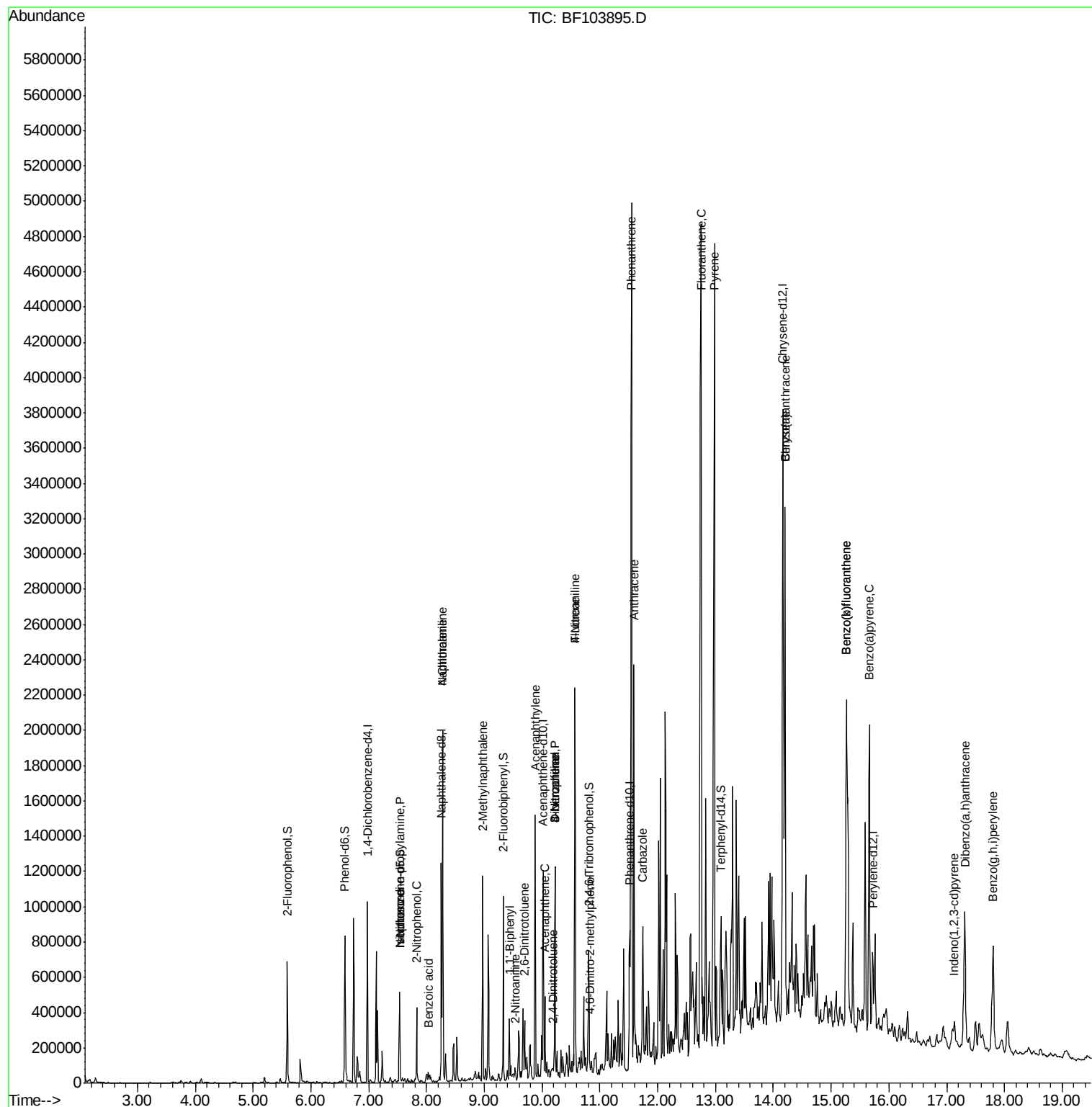
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

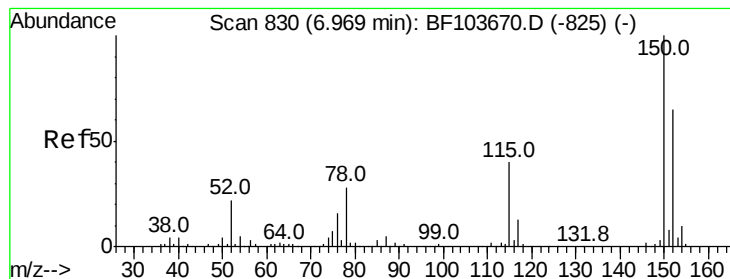
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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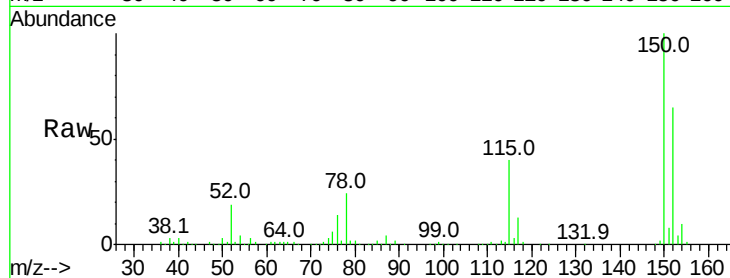


#1

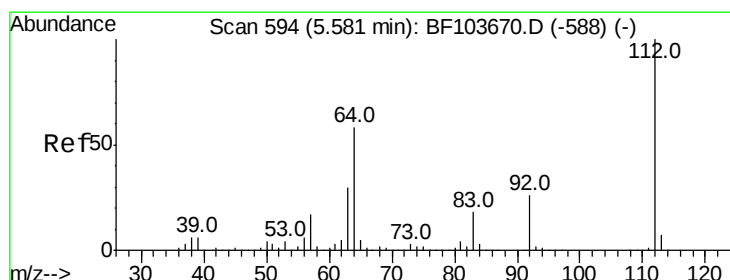
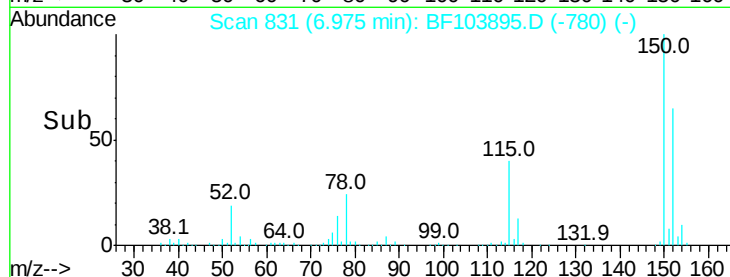
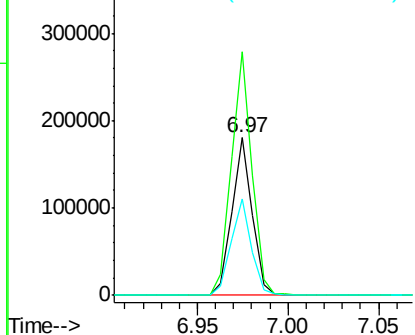
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103895.D
Acq: 23 Mar 2018 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 140394
Ion Ratio Lower Upper
152 100
150 154.4 124.6 186.8
115 61.2 50.1 75.1



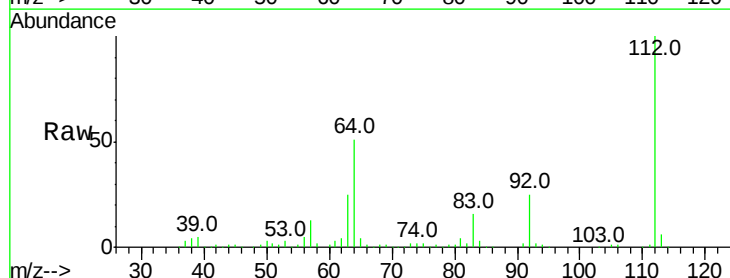
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



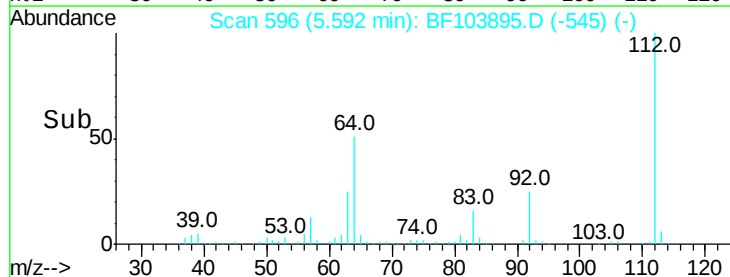
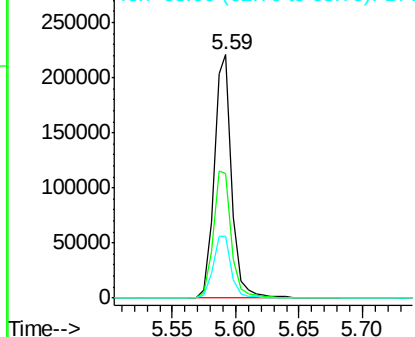
#5

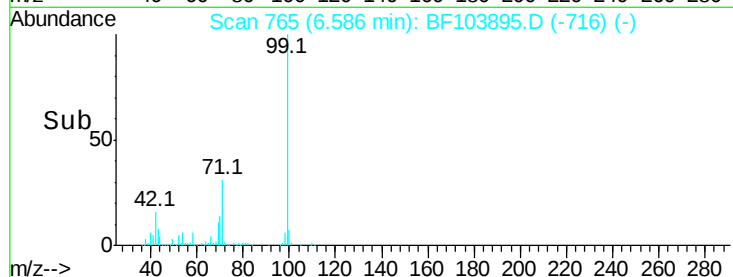
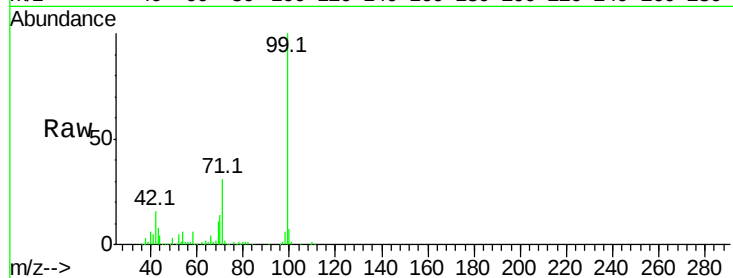
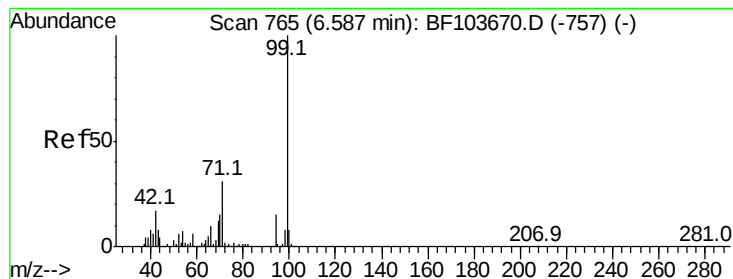
2-Fluorophenol
Concen: 23.465 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.00 min
Lab File: BF103895.D
Acq: 23 Mar 2018 22:45

Tgt Ion:112 Resp: 216596
Ion Ratio Lower Upper
112 100
64 51.2 47.9 71.9
63 25.5 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: 24.322 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

Instrument :

BNA_F

ClientSampleId :

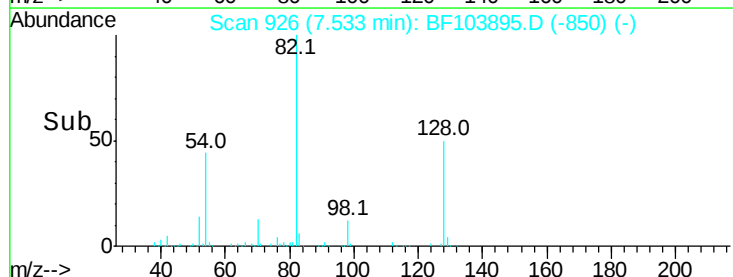
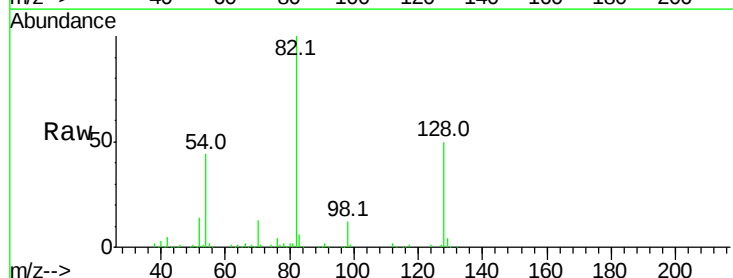
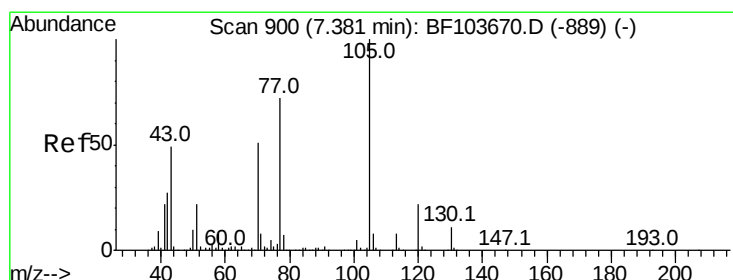
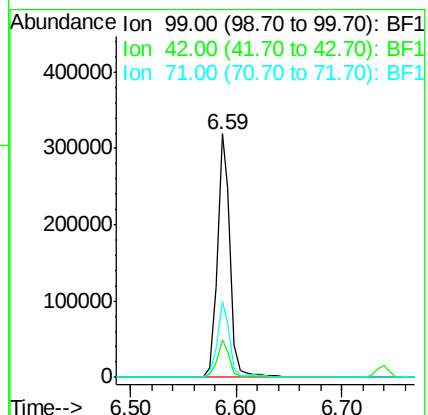
Tot Ion: 99 Resp: 274658

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

71 31.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.734 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

Tgt Ion: 70 Resp: 19789

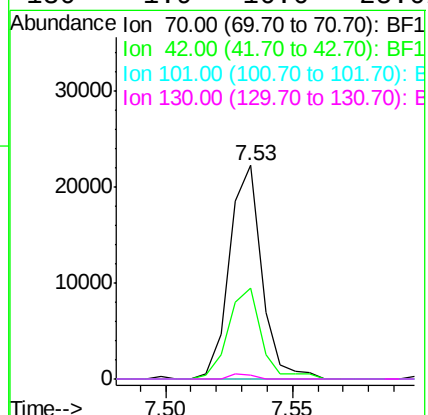
Ion Ratio Lower Upper

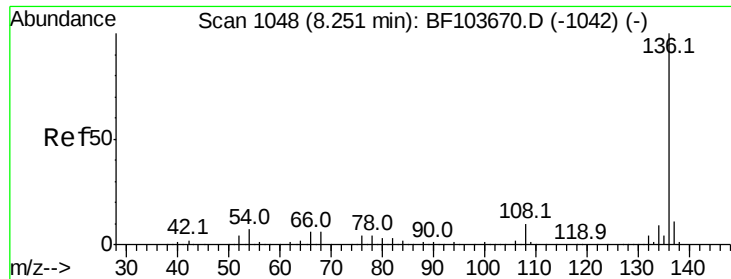
70 100

42 42.3 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

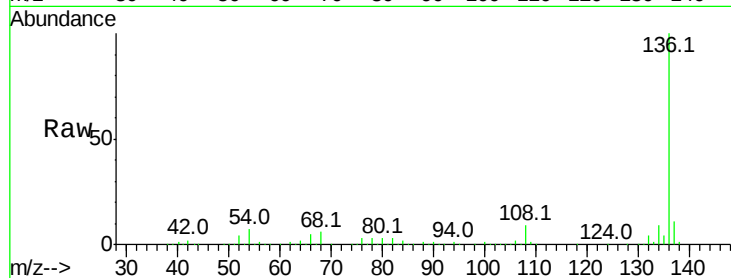




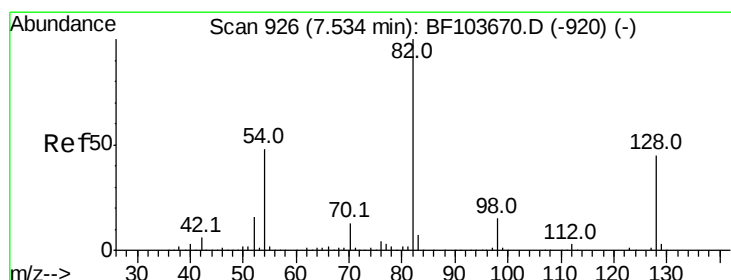
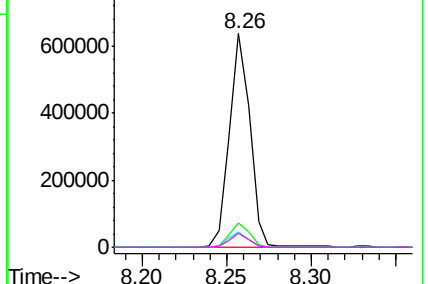
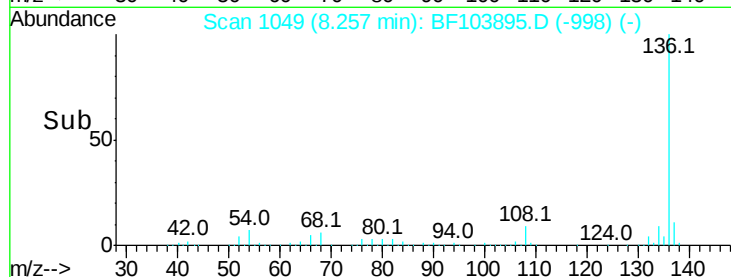
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF103895.D
Acq: 23 Mar 2018 22:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp: 536757
Ion Ratio	Lower Upper
136 100	
137 11.1	8.9 13.3
54 6.9	6.6 9.8
68 6.4	5.0 7.4

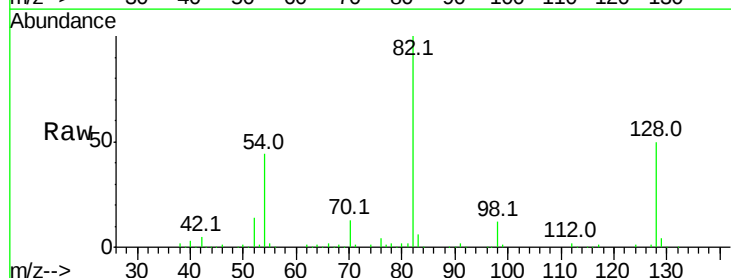


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

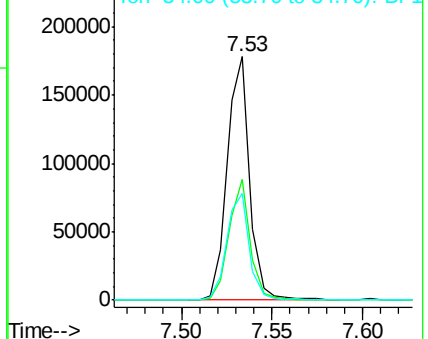
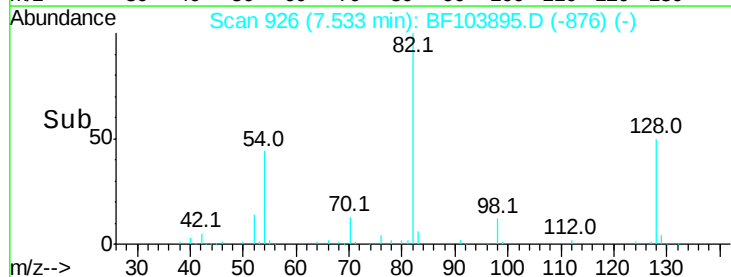


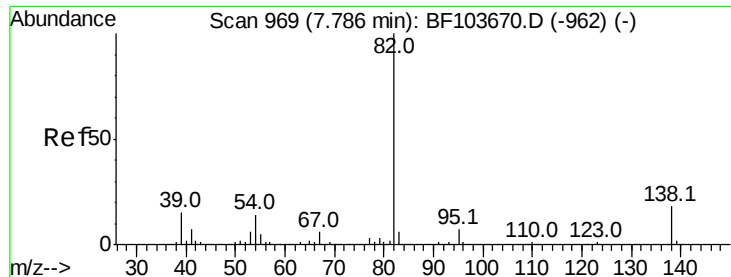
#23
Nitrobenzene-d5
Concen: 19.976 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF103895.D
Acq: 23 Mar 2018 22:45

Tgt Ion: 82	Resp: 153759
Ion Ratio	Lower Upper
82 100	
128 49.8	36.1 54.1
54 43.6	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: 8.629 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.26 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

Instrument :

BNA_F

ClientSampled :

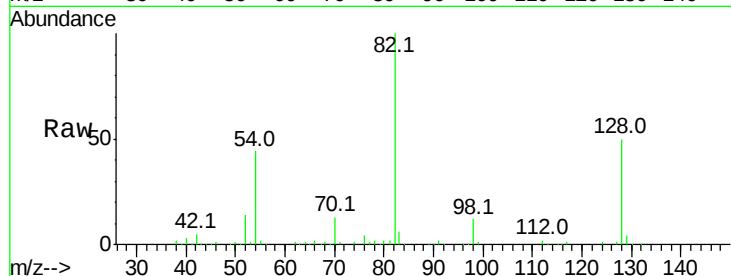
Tot Ion: 82 Resp: 153757

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

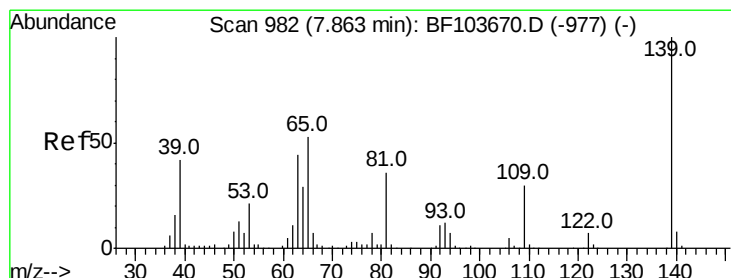
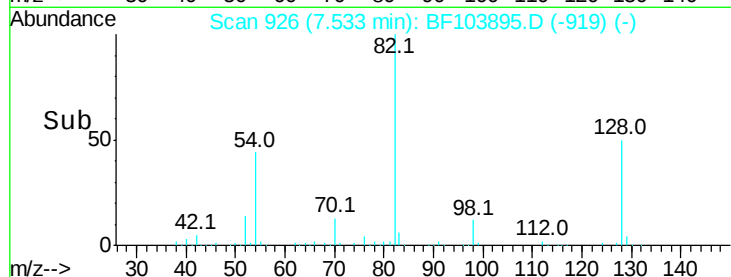
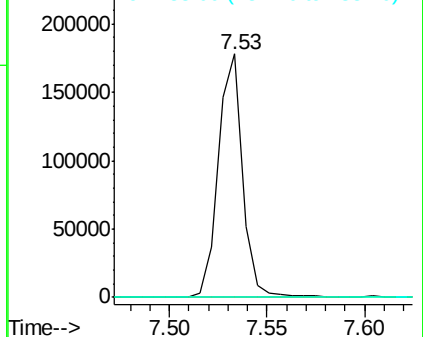
138 0.0 14.9 22.3#



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



#26

2-Nitrophenol

Concen: 9.683 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.05 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

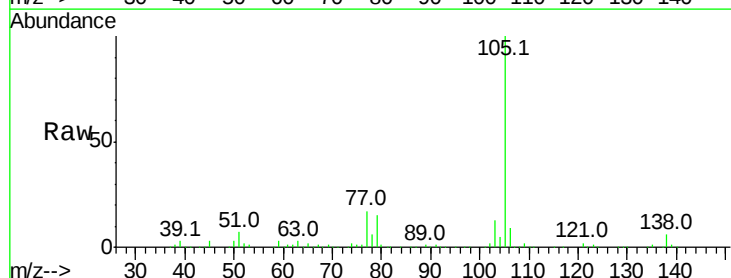
Tgt Ion: 139 Resp: 1016

Ion Ratio Lower Upper

139 100

109 306.5 22.7 34.1#

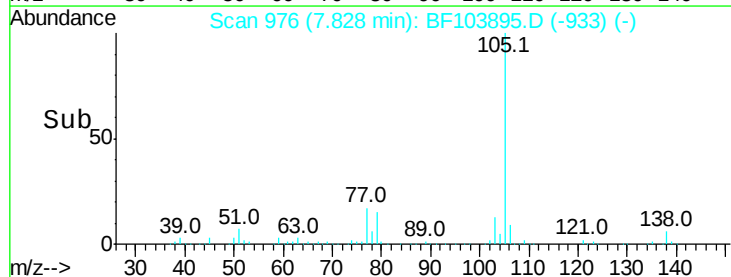
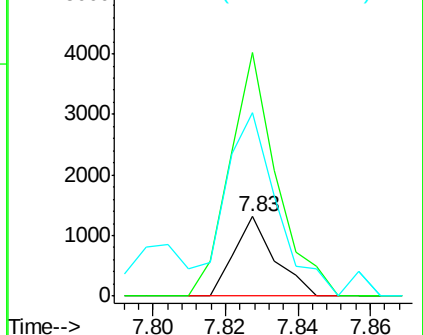
65 231.7 40.5 60.7#

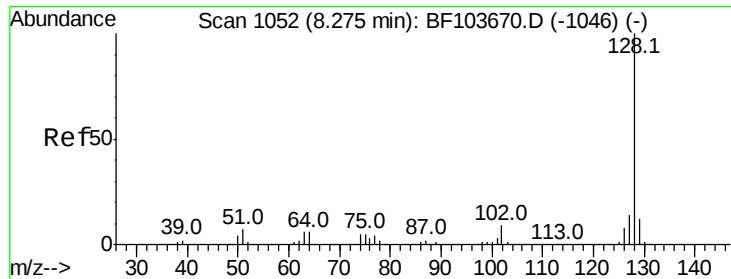


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

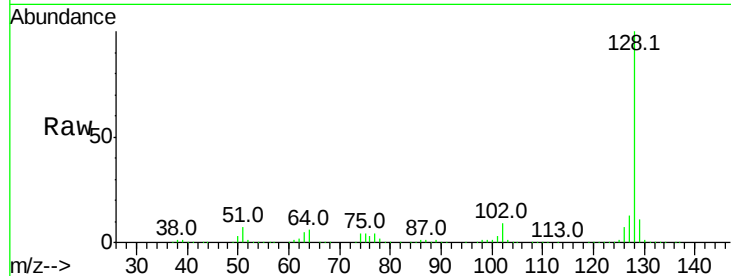




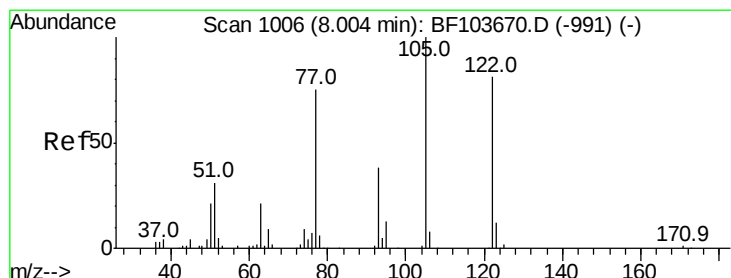
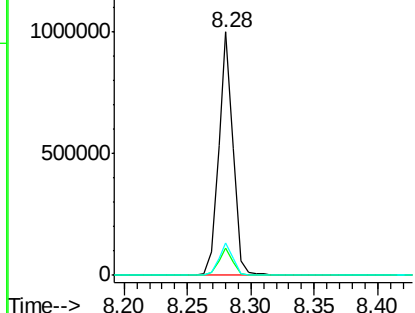
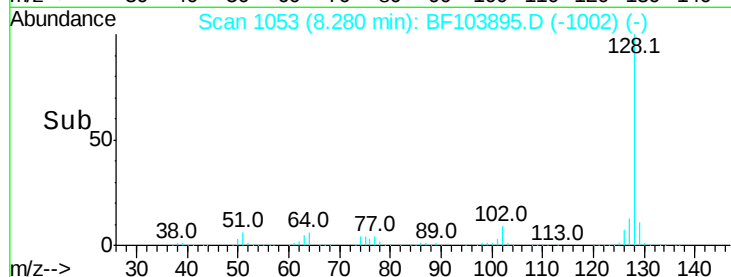
#31
Naphthalene
Concen: 29.494 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BF103895.D
Acq: 23 Mar 2018 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 799717
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.3 10.9 16.3

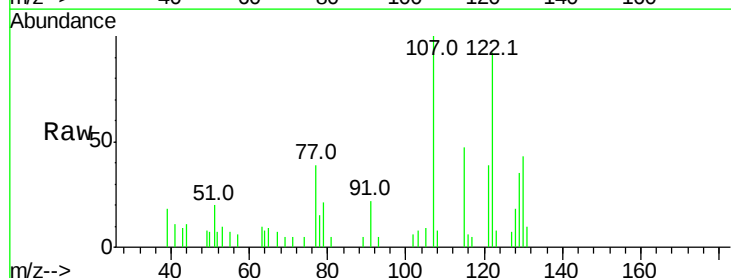


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

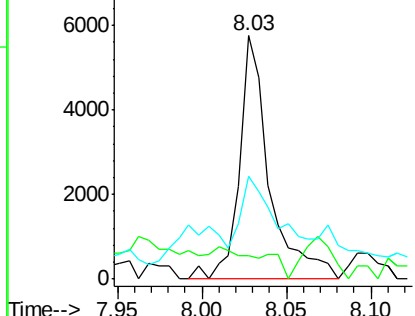
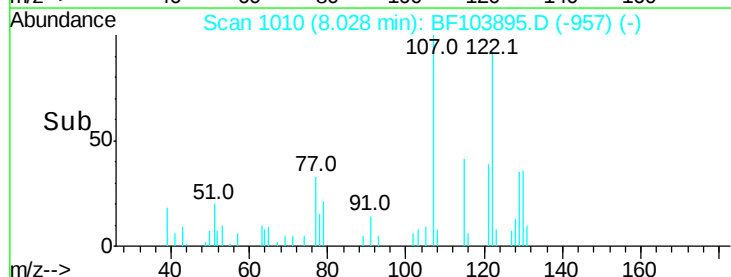


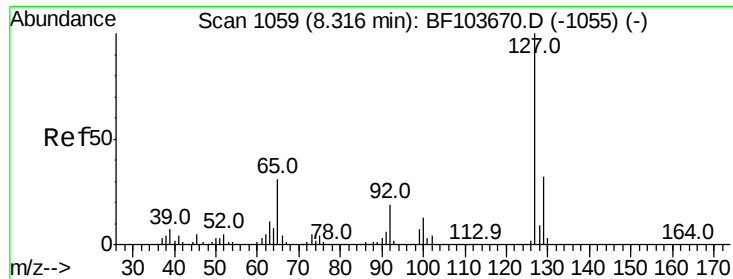
#32
Benzoic acid
Concen: 10.953 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BF103895.D
Acq: 23 Mar 2018 22:45

Tgt Ion:122 Resp: 7112
Ion Ratio Lower Upper
122 100
105 9.5 101.1 141.1#
77 42.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

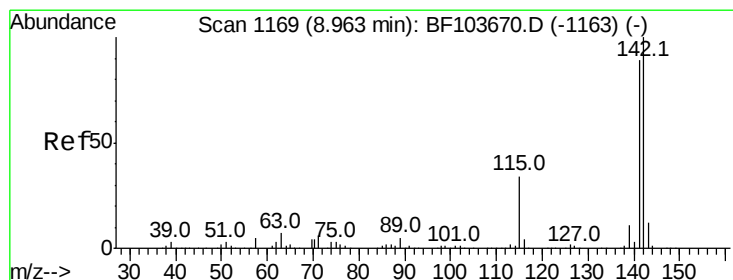
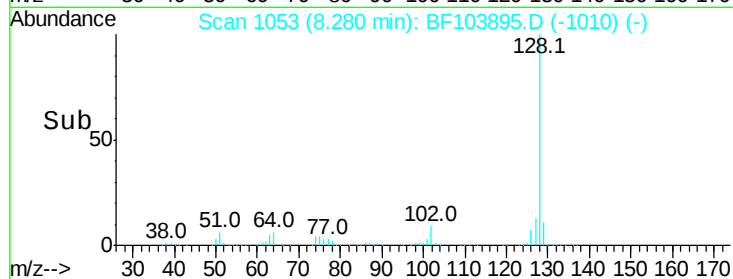
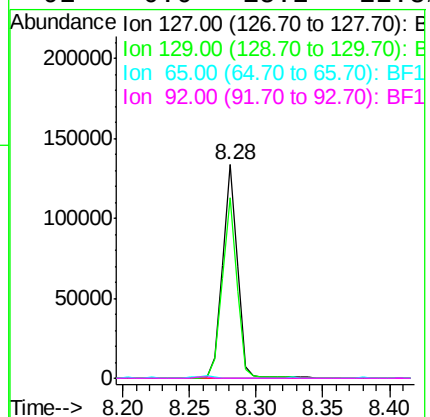
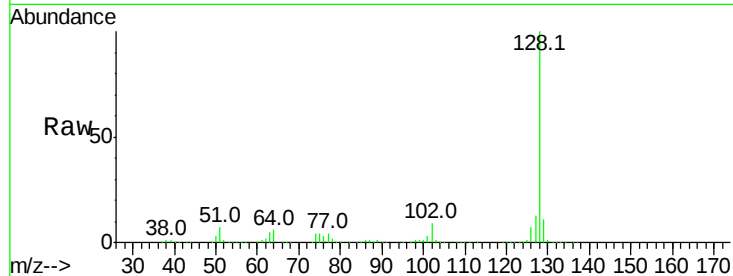




#33
4-Chloroaniline
Concen: 9.342 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.05 min
Lab File: BF103895.D
Acq: 23 Mar 2018 22:45

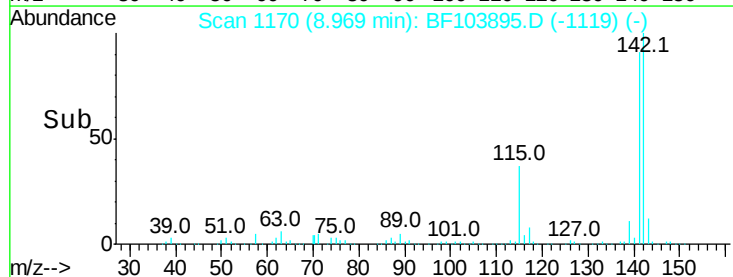
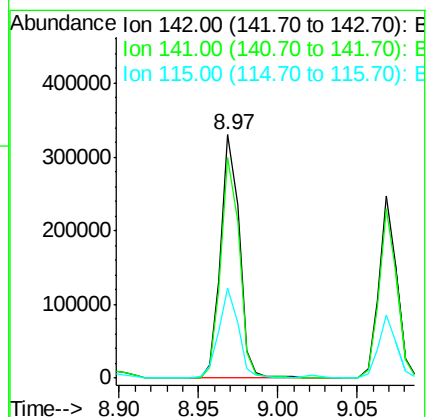
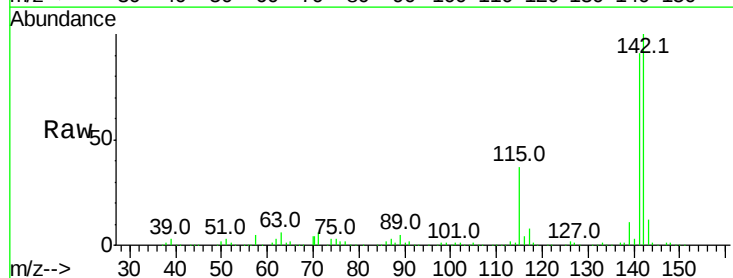
Instrument :
BNA_F
ClientSampleId :

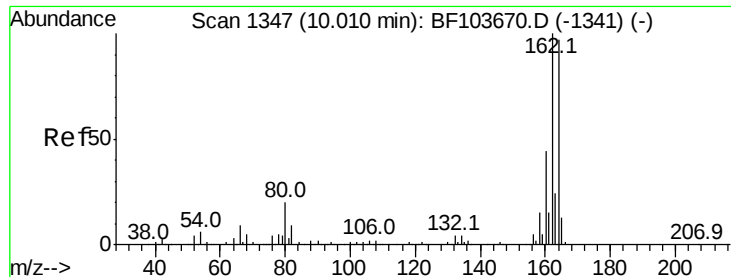
Tot Ion:	127	Resp:	106263
Ion	Ratio	Lower	Upper
127	100		
129	84.5	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 15.865 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF103895.D
Acq: 23 Mar 2018 22:45

Tgt Ion:	142	Resp:	272794
Ion	Ratio	Lower	Upper
142	100		
141	90.7	70.8	106.2
115	36.9	26.1	39.1

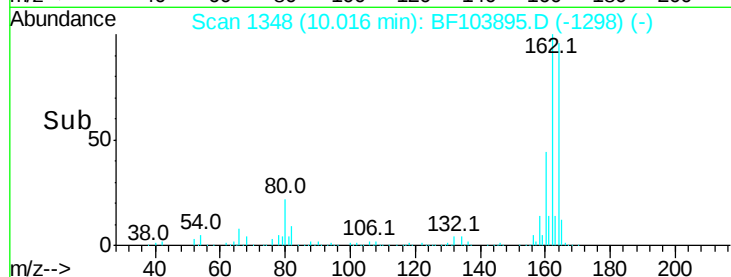
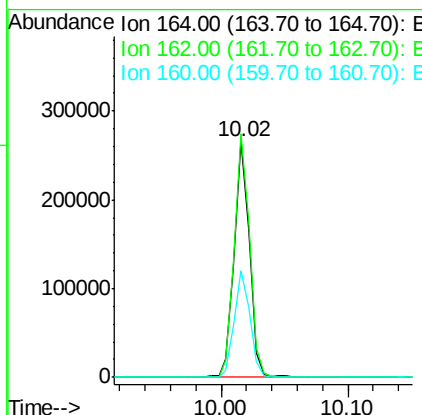
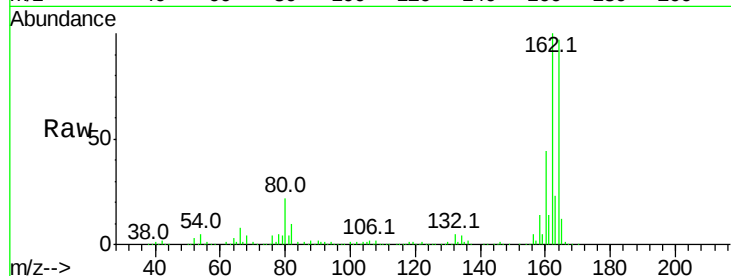




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF103895.D
 Acq: 23 Mar 2018 22:45

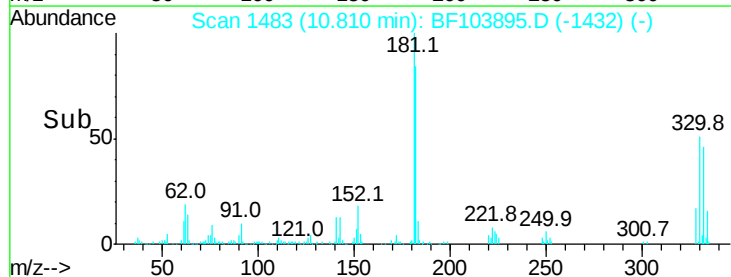
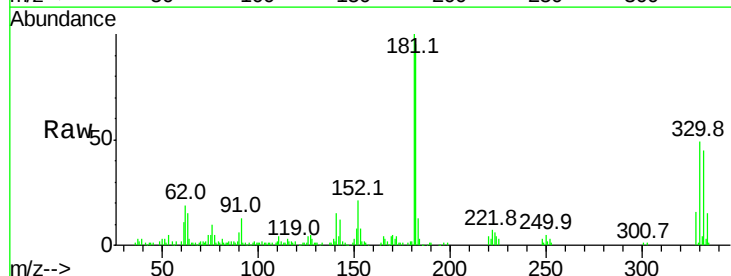
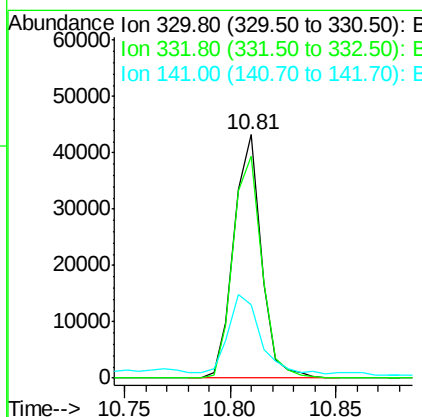
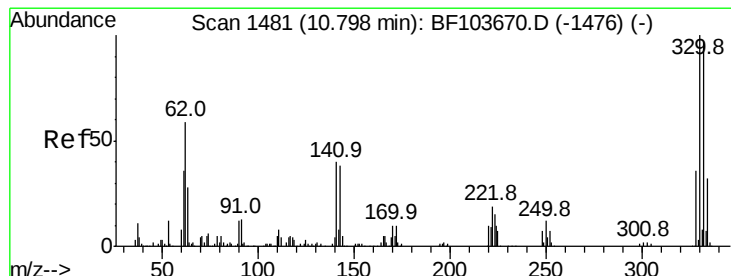
Instrument :
 BNA_F
 ClientSampleId :

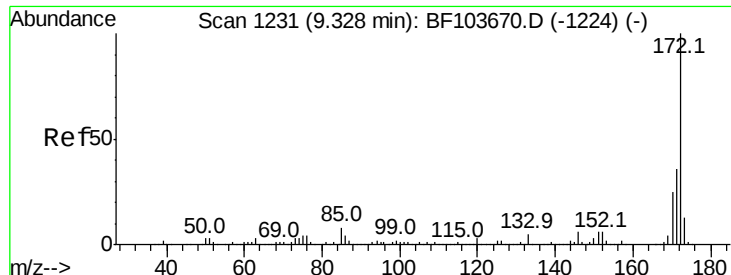
Tot Ion:164 Resp: 217903
 Ion Ratio Lower Upper
 164 100
 162 103.4 86.1 129.1
 160 45.4 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 20.688 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF103895.D
 Acq: 23 Mar 2018 22:45

Tgt Ion:330 Resp: 38760
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 37.8 29.9 44.9

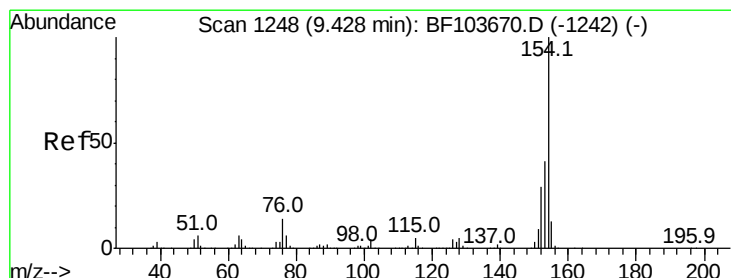
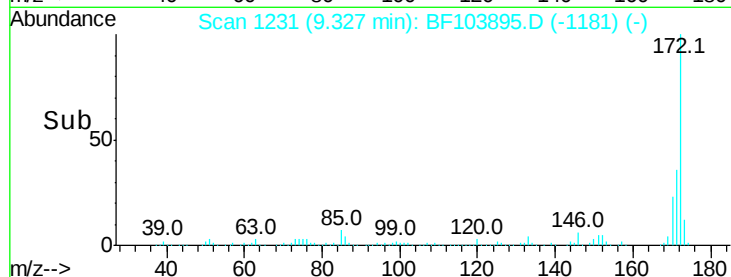
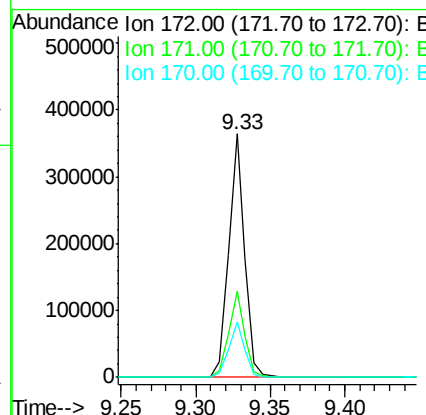
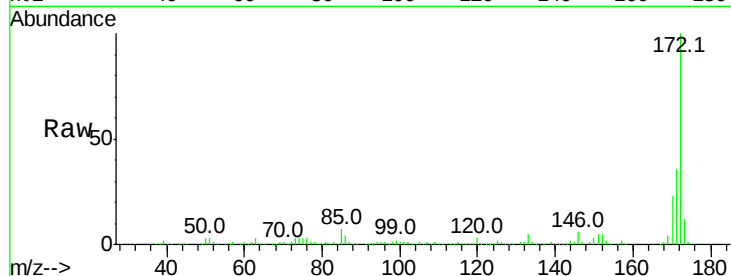




#44
2-Fluorobiphenyl
Concen: 20.184 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103895.D
Acq: 23 Mar 2018 22:45

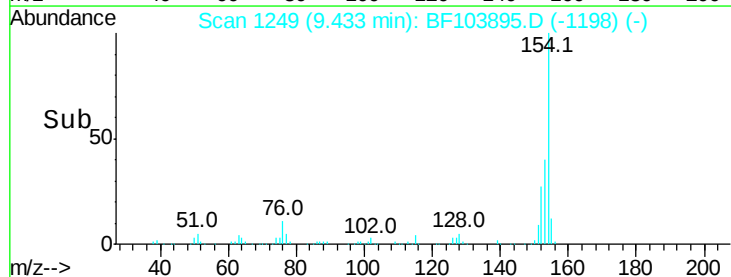
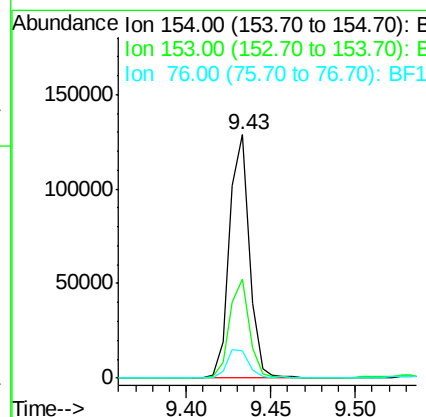
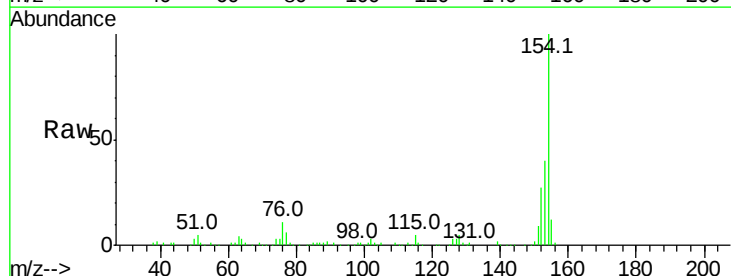
Instrument :
BNA_F
ClientSampled :

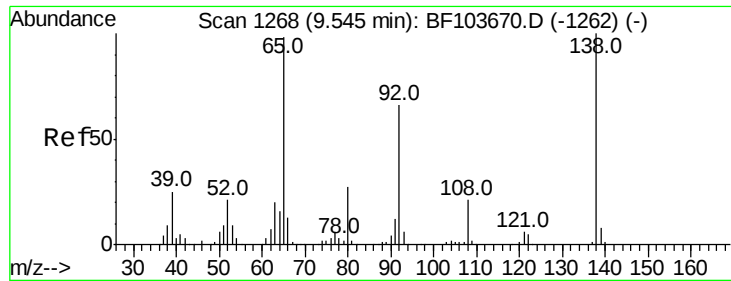
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.0	19.6	29.4



#45
1,1'-Biphenyl
Concen: 5.854 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BF103895.D
Acq: 23 Mar 2018 22:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.4	21.3	61.3
76	11.2	0.0	34.0





#47

2-Nitroaniline

Concen: 7.099 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.03 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

Instrument :

BNA_F

ClientSampled :

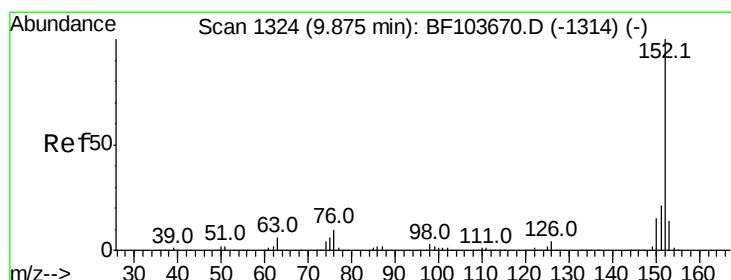
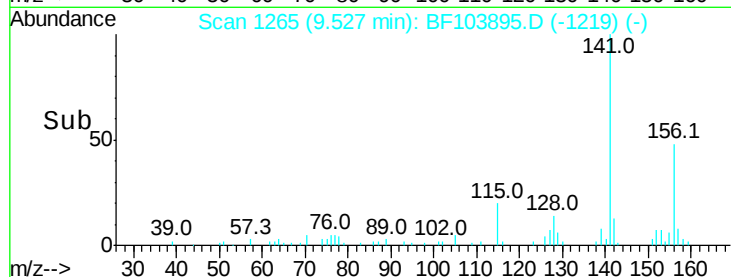
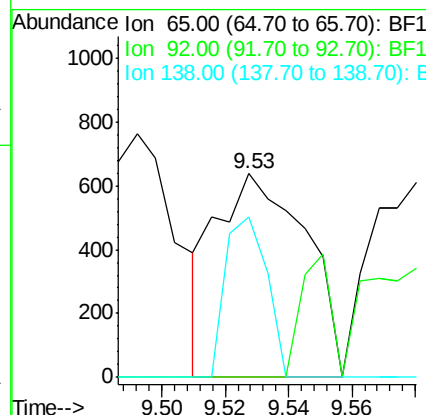
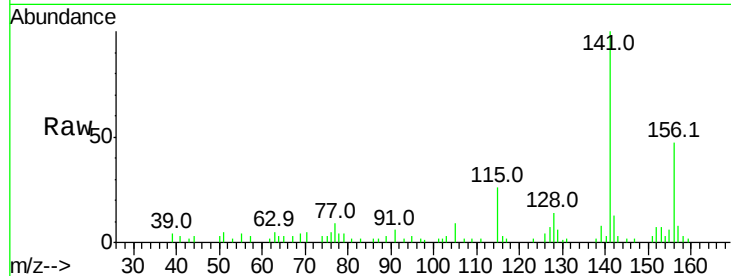
Tot Ion: 65 Resp: 1254

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 78.8 91.2 136.8#



#48

Acenaphthylene

Concen: 27.918 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

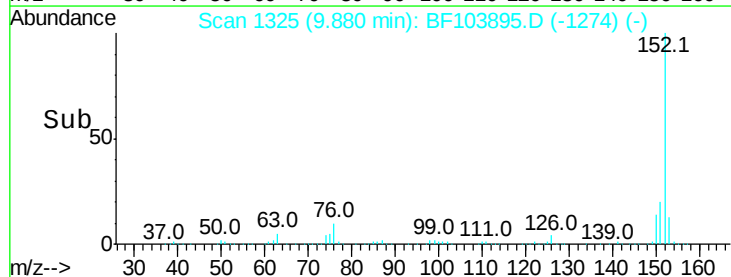
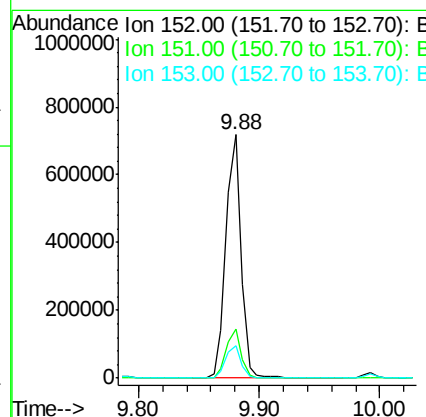
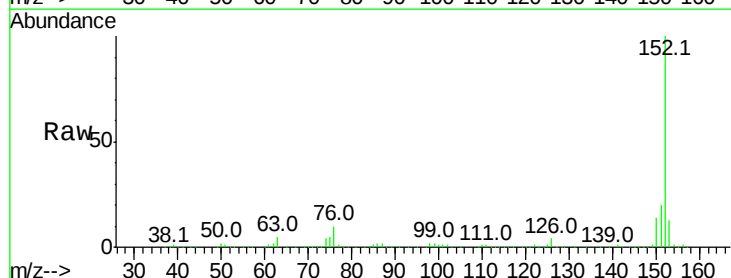
Tgt Ion:152 Resp: 624770

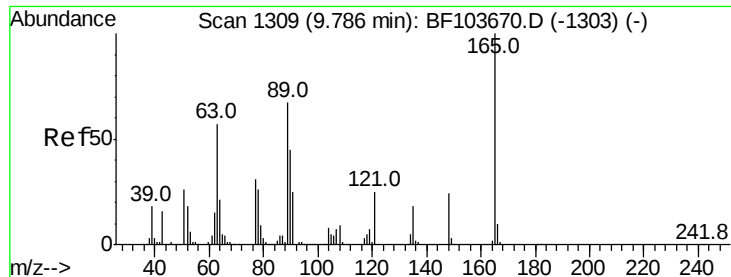
Ion Ratio Lower Upper

152 100

151 20.3 16.3 24.5

153 13.3 10.7 16.1

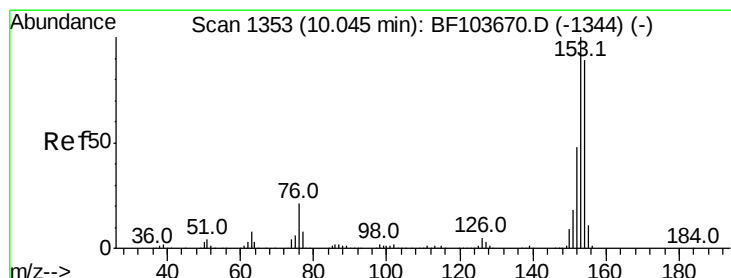
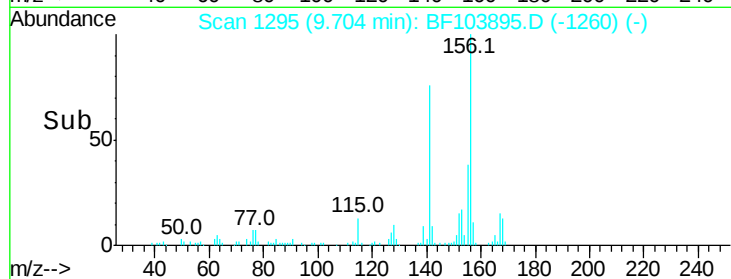
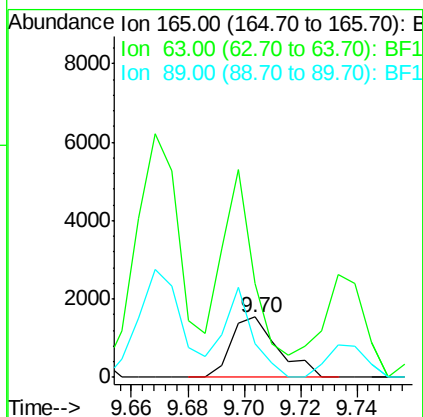
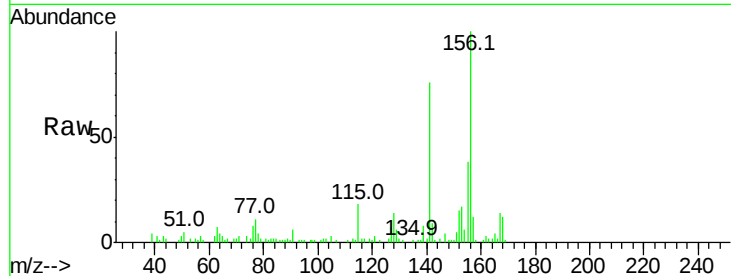




#50
2,6-Dinitrotoluene
Concen: 4.486 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.09 min
Lab File: BF103895.D
Acq: 23 Mar 2018 22:45

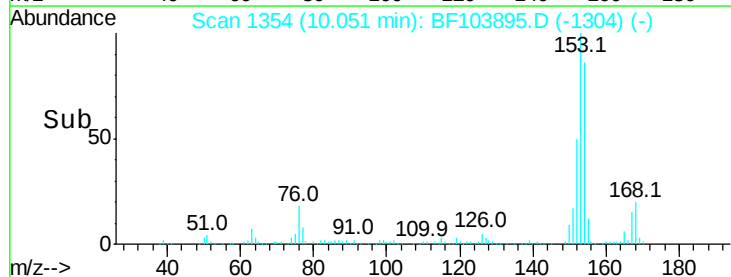
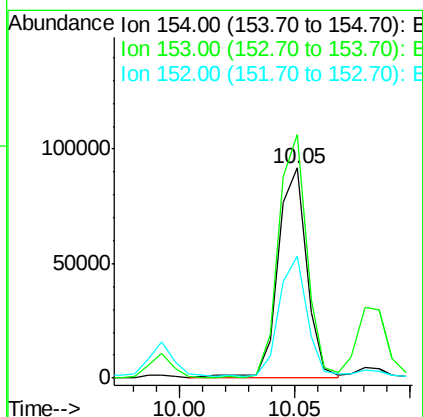
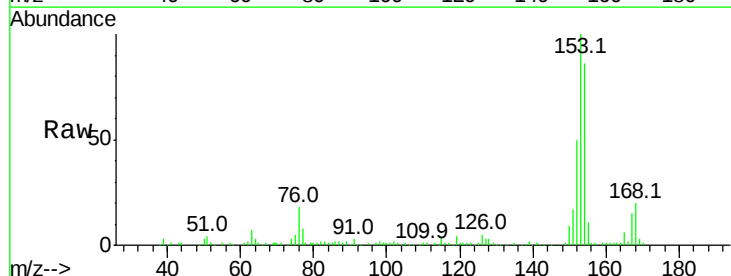
Instrument :
BNA_F
ClientSampleId :

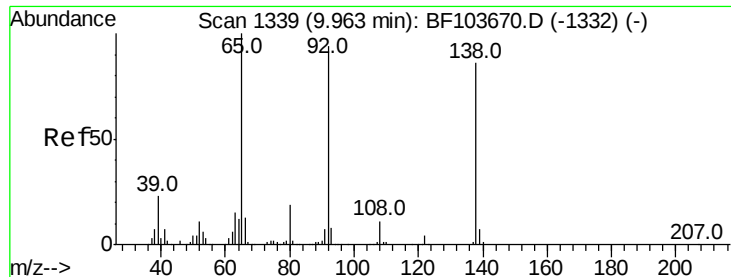
Tot Ion:165 Resp: 1762
Ion Ratio Lower Upper
165 100
63 156.6 44.7 67.1#
89 56.0 44.0 66.0



#51
Acenaphthene
Concen: 5.841 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF103895.D
Acq: 23 Mar 2018 22:45

Tgt Ion:154 Resp: 77619
Ion Ratio Lower Upper
154 100
153 115.9 91.2 136.8
152 58.2 43.8 65.8





#52

3-Nitroaniline

Concen: 5.362 ng

RT: 10.22 min Scan# 1383

Delta R.T. 0.25 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

Instrument :

BNA_F

ClientSampled :

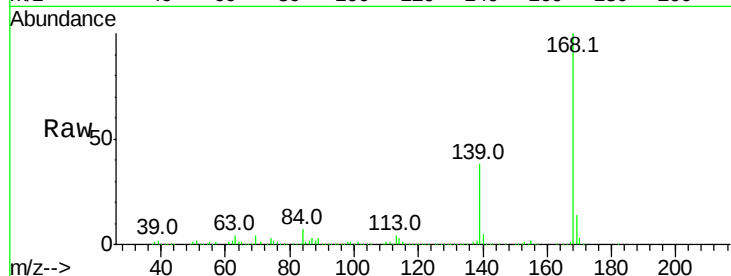
Tot Ion:138 Resp: 6479

Ion Ratio Lower Upper

138 100

108 0.0 9.4 14.0#

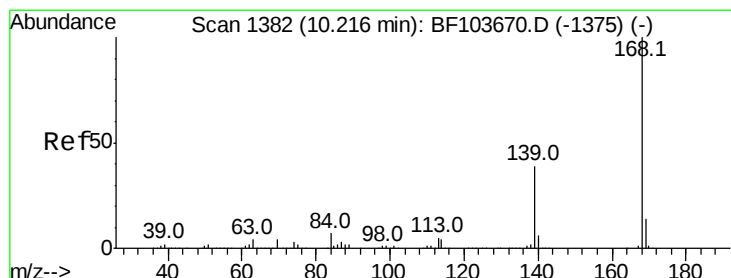
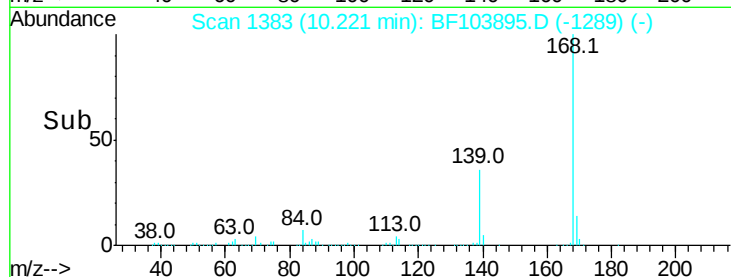
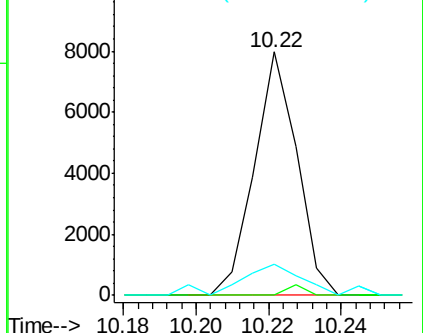
92 12.7 89.4 134.2#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

Dibenzofuran

Concen: 22.056 ng

RT: 10.22 min Scan# 1383

Delta R.T. -0.01 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

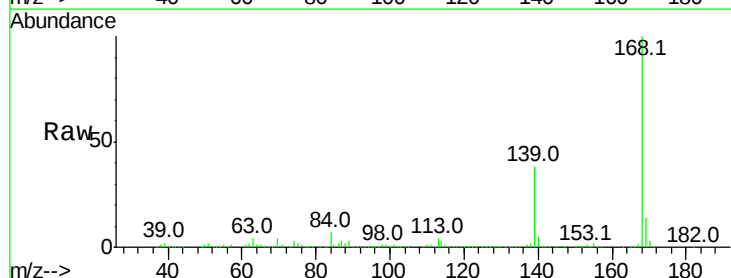
Tgt Ion:168 Resp: 418587

Ion Ratio Lower Upper

168 100

139 37.6 30.1 45.1

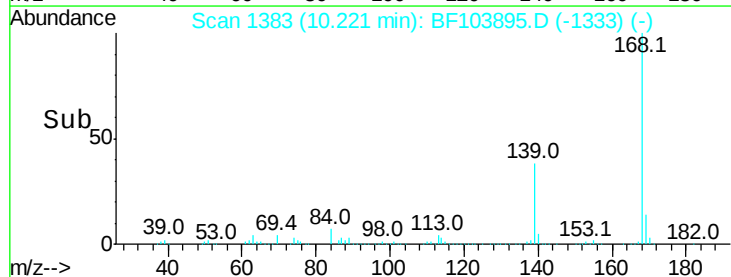
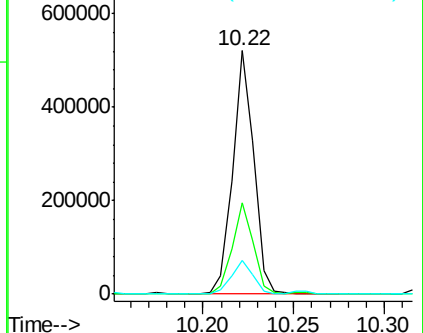
169 13.7 10.9 16.3

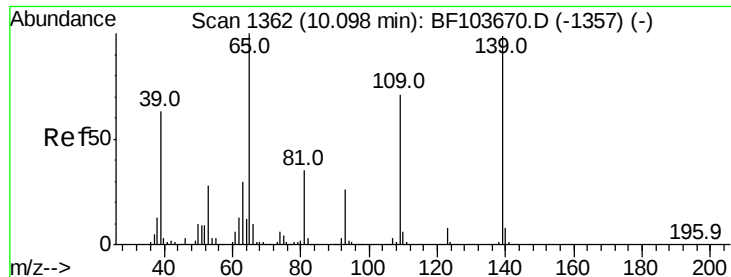


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 53.394 ng

RT: 10.22 min Scan# 1383

Delta R.T. 0.10 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

Instrument :

BNA_F

ClientSampleId :

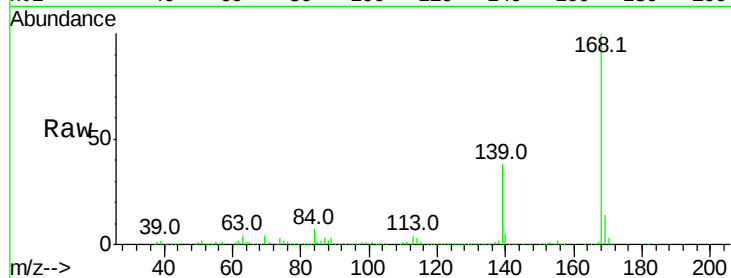
Tot Ion:139 Resp: 157152

Ion Ratio Lower Upper

139 100

109 1.1 48.4 88.4#

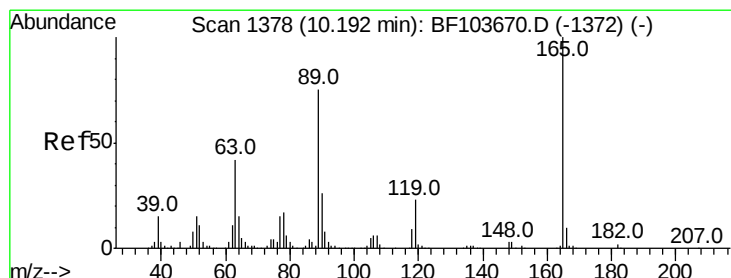
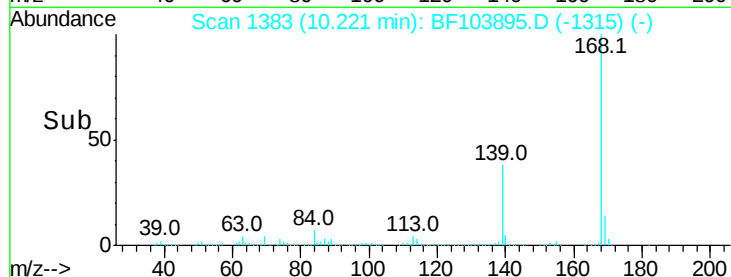
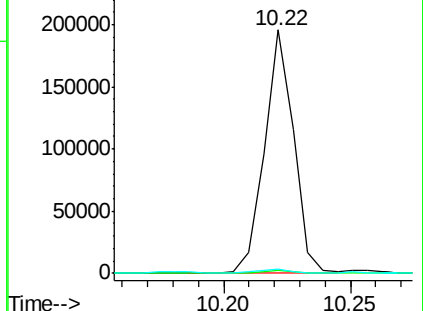
65 1.7 72.6 112.6#



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: 6.776 ng

RT: 10.19 min Scan# 1377

Delta R.T. -0.02 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

Tgt Ion:165 Resp: 2632

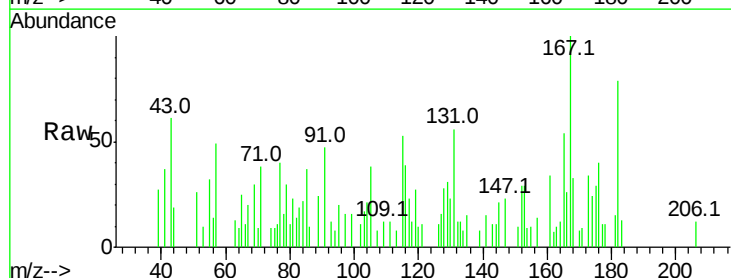
Ion Ratio Lower Upper

165 100

63 24.2 36.4 54.6#

89 44.5 57.8 86.6#

182 145.3 1.6 2.4#

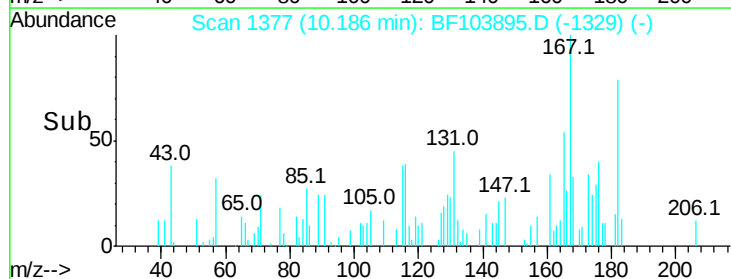
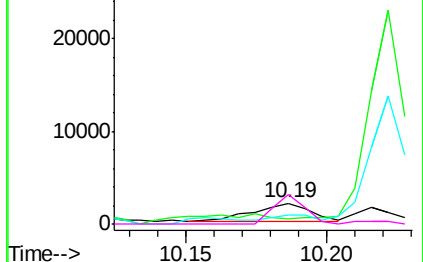


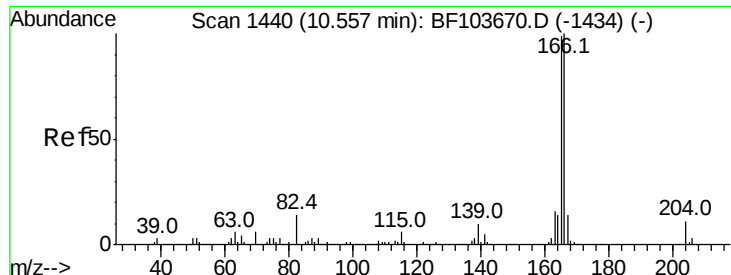
Abundance Ion 165.00 (164.70 to 165.70): E

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

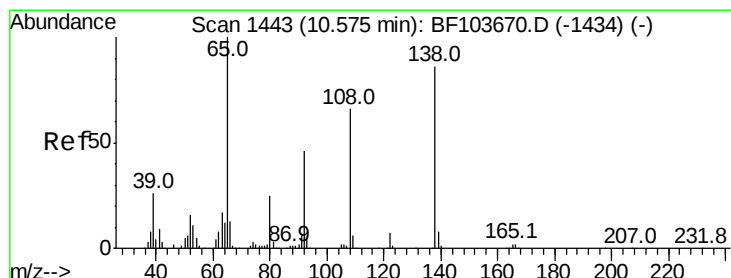
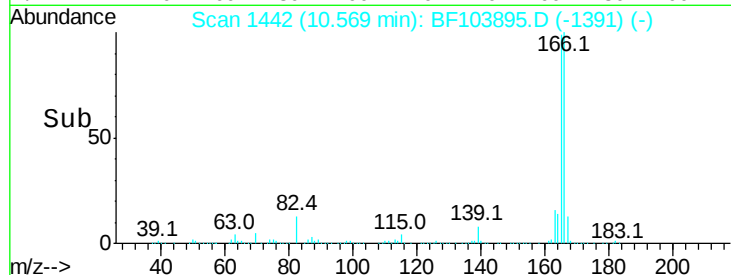
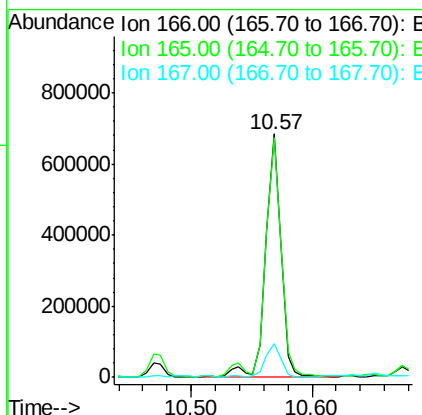
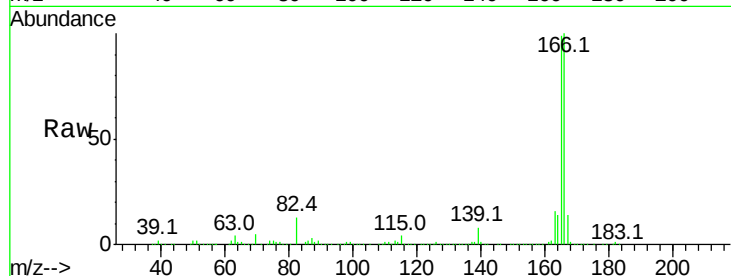




#57
Fluorene
 Concen: 41.809 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: BF103895.D
 Acq: 23 Mar 2018 22:45

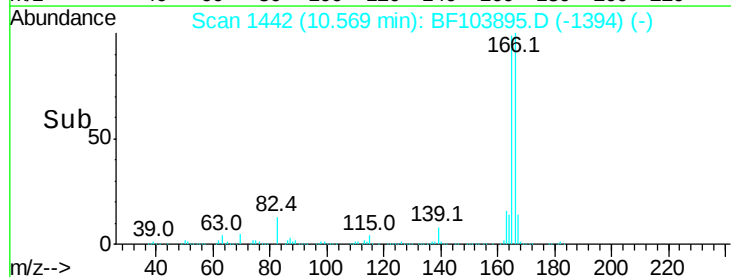
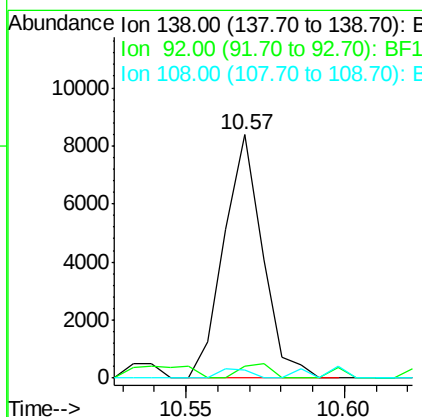
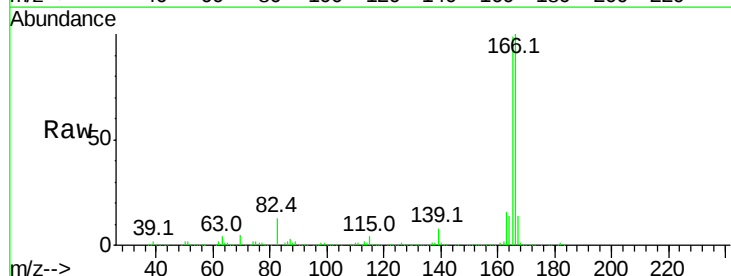
Instrument :
 BNA_F
 ClientSampleId :

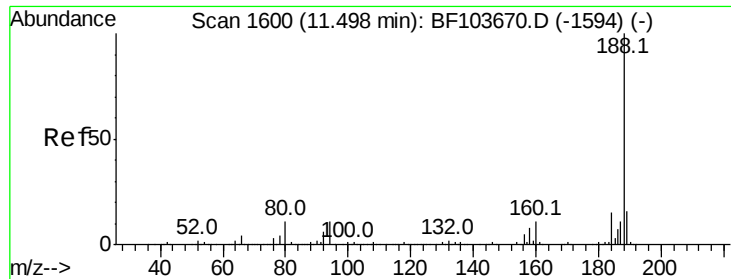
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.8	119.8
167	13.7	10.6	16.0



#61
4-Nitroaniline
 Concen: 5.503 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.02 min
 Lab File: BF103895.D
 Acq: 23 Mar 2018 22:45

Tgt Ion	Ratio	Lower	Upper
138	100		
92	5.1	30.2	70.2#
108	3.6	52.5	92.5#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1603

Delta R.T. 0.01 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

Instrument :

BNA_F

ClientSampleId :

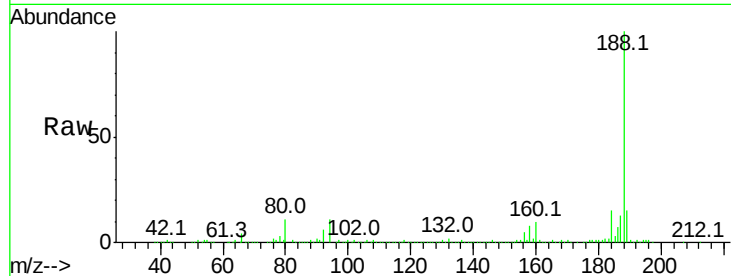
Tot Ion:188 Resp: 333595

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

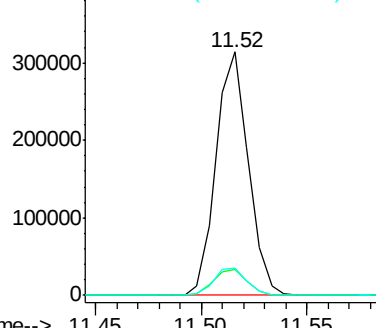
80 11.4 9.2 13.8



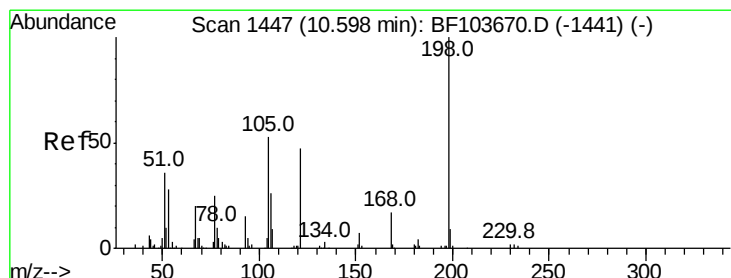
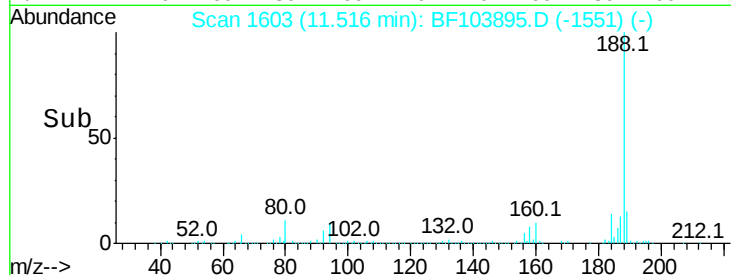
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time--> 11.45 11.50 11.55



#64

4,6-Dinitro-2-methylphenol

Concen: 8.217 ng

RT: 10.83 min Scan# 1486

Delta R.T. 0.21 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

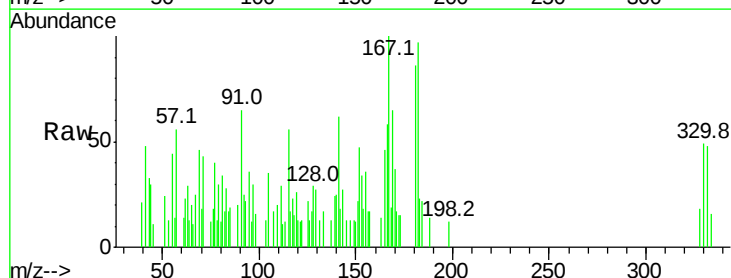
Tgt Ion:198 Resp: 113

Ion Ratio Lower Upper

198 100

51 211.6 37.7 77.7#

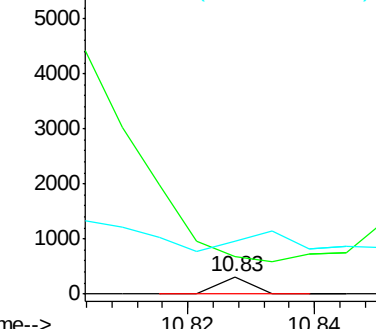
105 300.3 36.3 76.3#



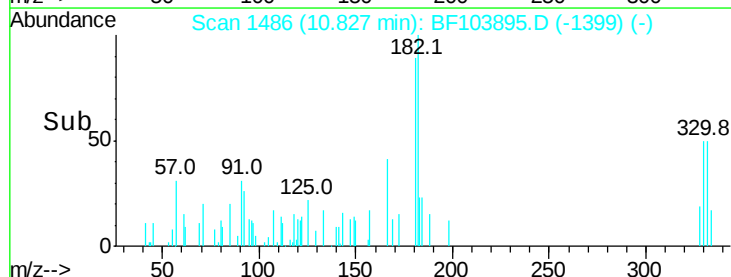
Abundance Ion 198.00 (197.70 to 198.70): E

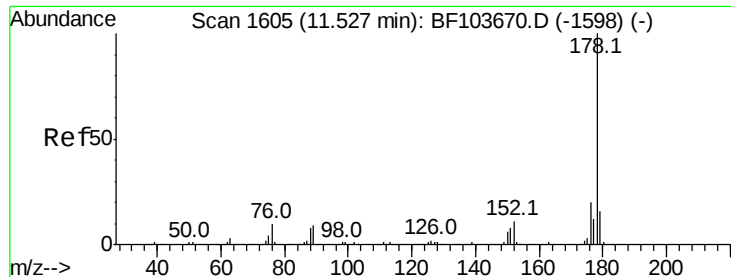
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



Time--> 10.82 10.84





#70

Phenanthrene

Concen: 135.412 ng

RT: 11.55 min Scan# 1609

Delta R.T. 0.01 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

Instrument :

BNA_F

ClientSampleId :

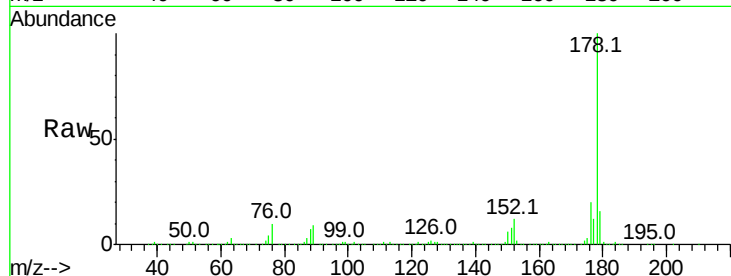
Tot Ion:178 Resp: 2471057

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

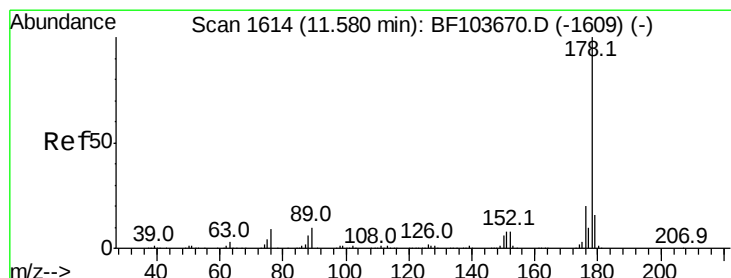
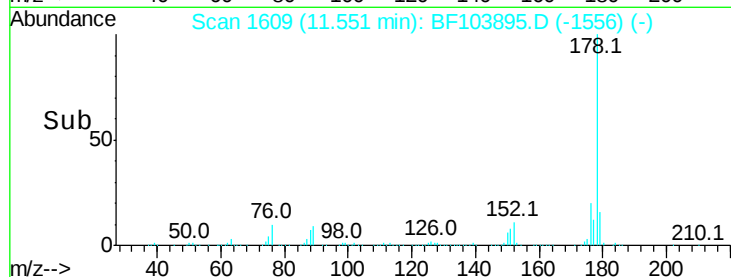
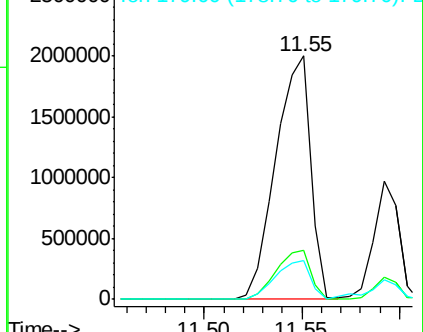
179 16.0 13.0 19.6



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: 46.331 ng

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

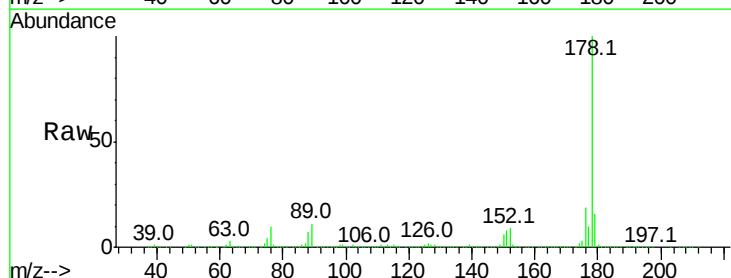
Tgt Ion:178 Resp: 858709

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

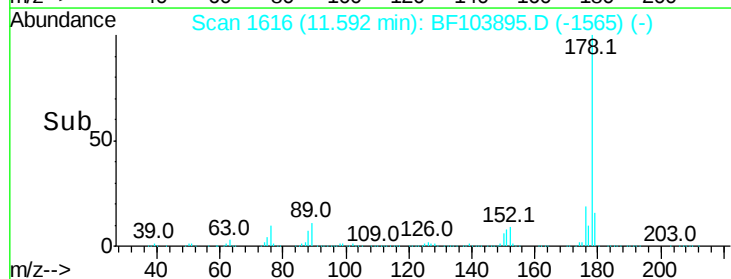
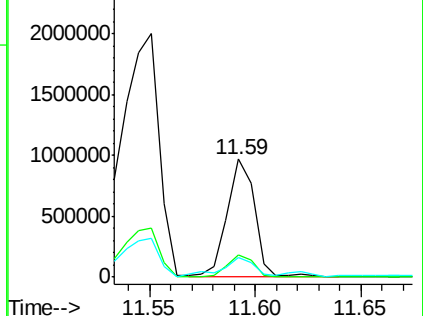
179 16.1 12.6 19.0

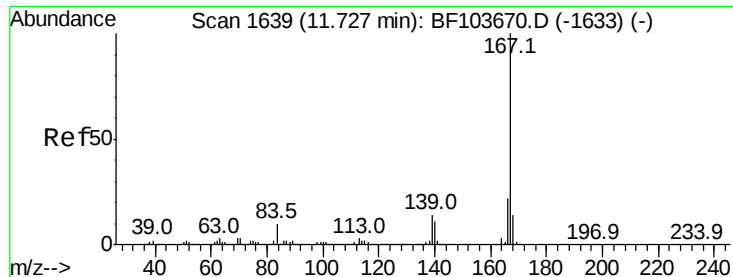


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

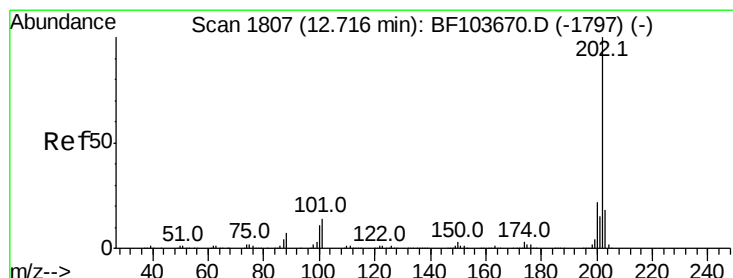
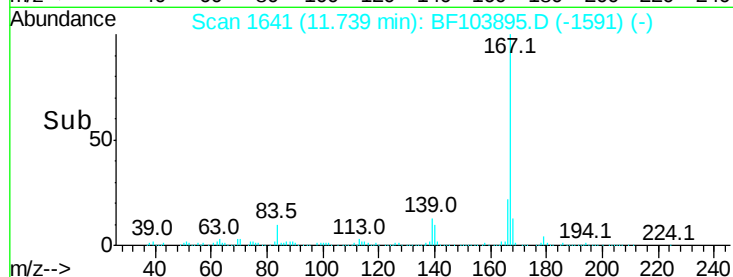
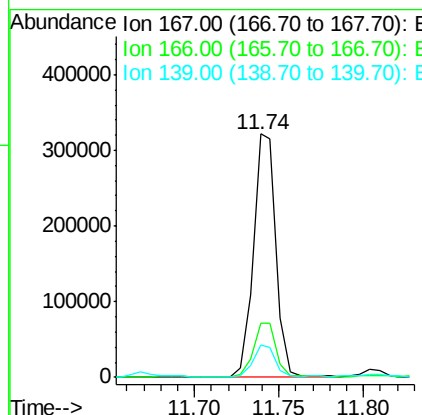
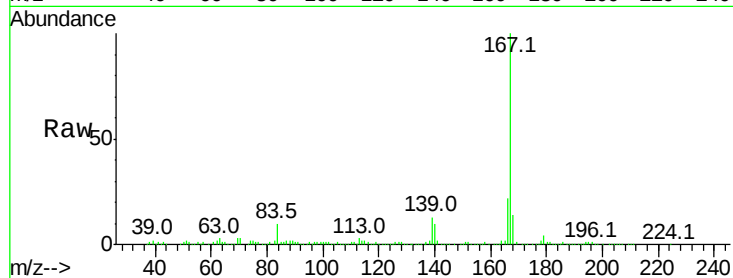




#72
 Carbazole
 Concen: 16.639 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. -0.01 min
 Lab File: BF103895.D
 Acq: 23 Mar 2018 22:45

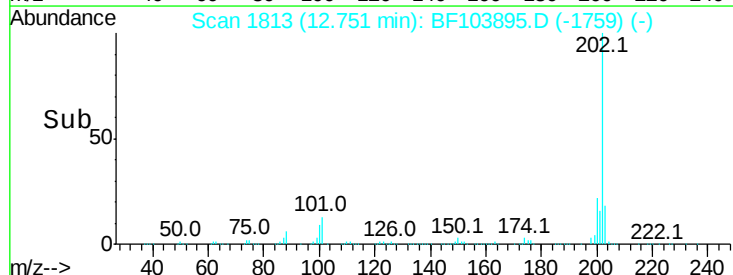
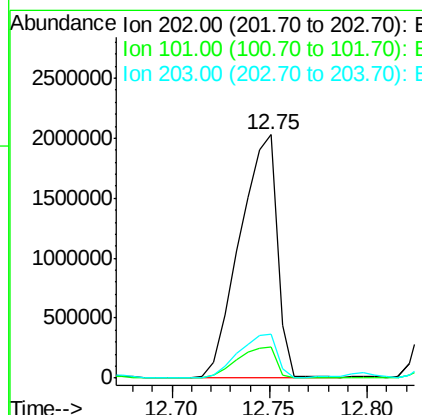
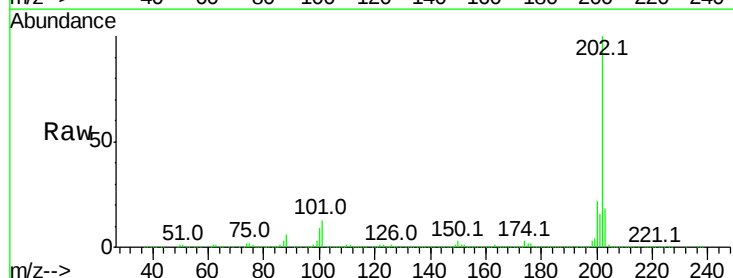
Instrument :
 BNA_F
 ClientSampleId :

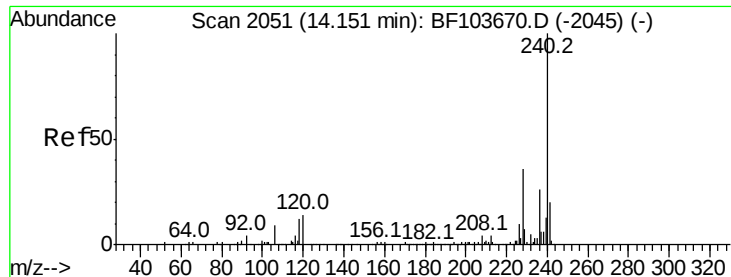
Tot Ion:167 Resp: 299739
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.6 26.4
 139 13.4 10.9 16.3



#74
 Fluoranthene
 Concen: 143.595 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. 0.02 min
 Lab File: BF103895.D
 Acq: 23 Mar 2018 22:45

Tgt Ion:202 Resp: 2699586
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 34.1
 203 18.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2055

Delta R.T. 0.01 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

Instrument :

BNA_F

ClientSampleId :

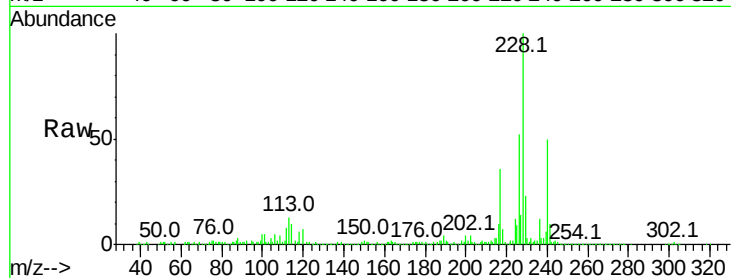
Tot Ion:240 Resp: 232062

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

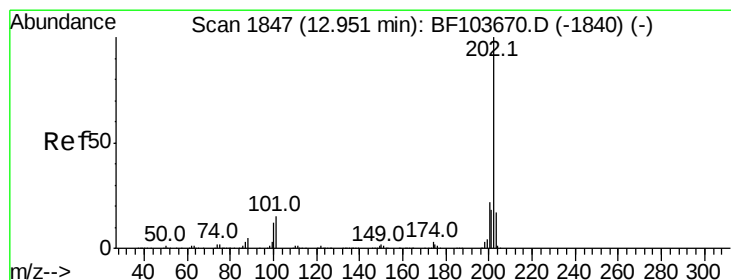
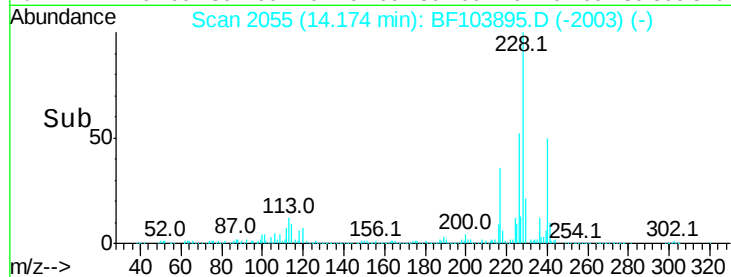
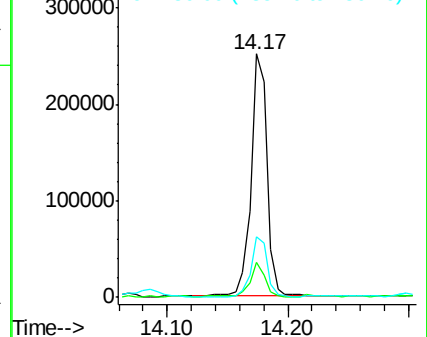
236 25.0 20.7 31.1



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

Pyrene

Concen: 151.355 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.02 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

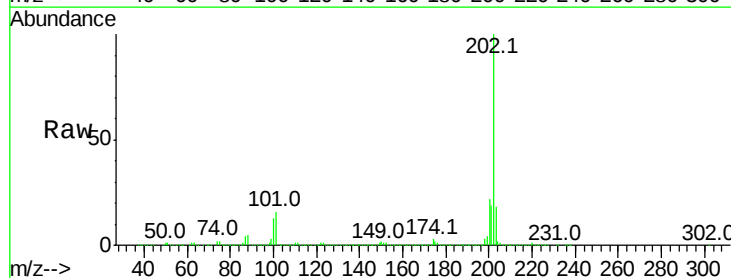
Tgt Ion:202 Resp: 2579464

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

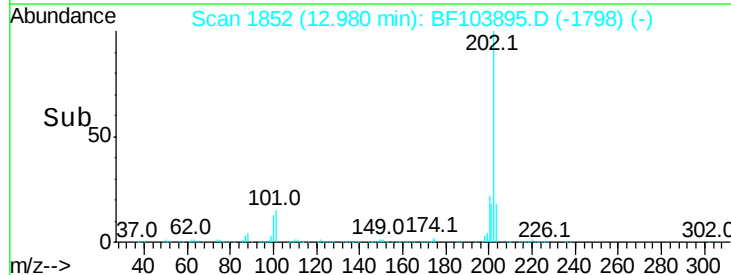
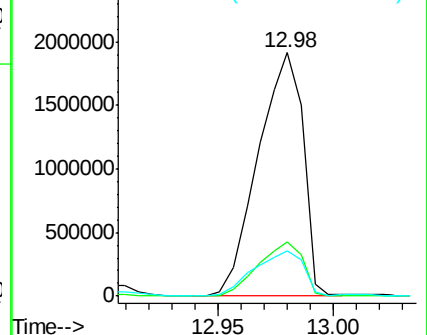
203 18.4 14.3 21.5

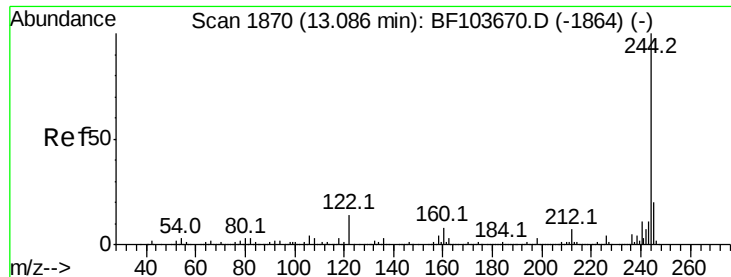


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 21.249 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.00 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

Instrument :

BNA_F

ClientSampleId :

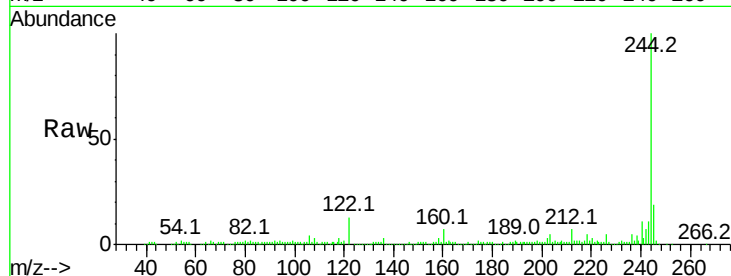
Tot Ion:244 Resp: 212437

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

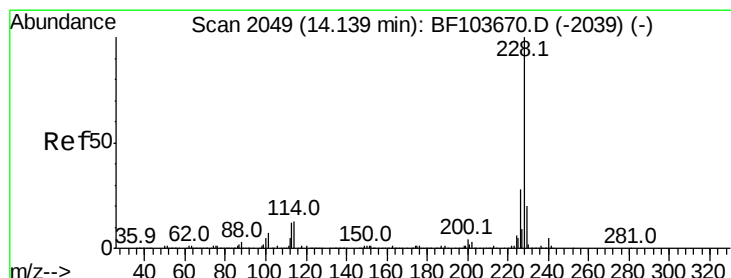
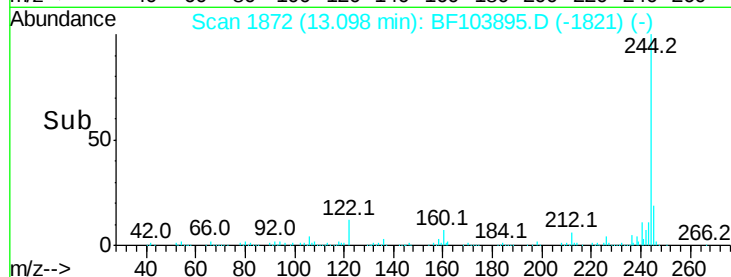
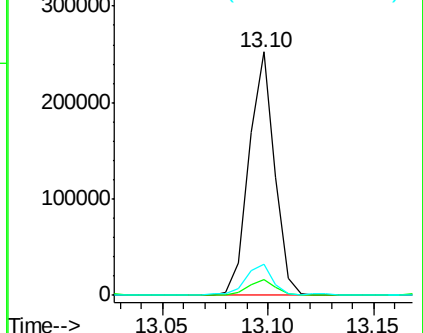
122 12.5 11.0 16.4



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: 81.216 ng

RT: 14.20 min Scan# 2060

Delta R.T. 0.05 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

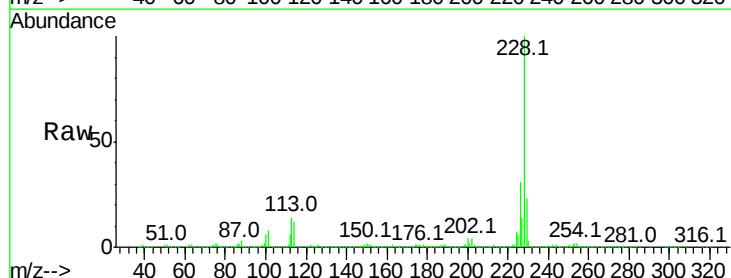
Tgt Ion:228 Resp: 1193023

Ion Ratio Lower Upper

228 100

226 31.5 22.6 33.8

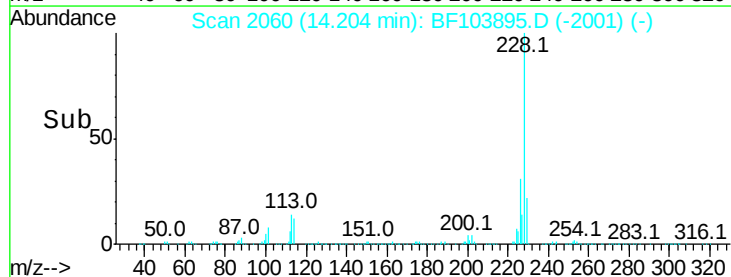
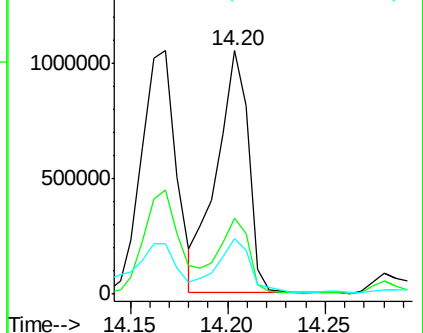
229 23.0 15.8 23.6

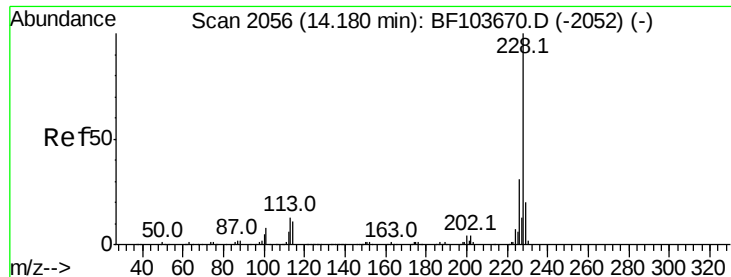


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 85.199 ng

RT: 14.20 min Scan# 2060

Delta R.T. 0.01 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

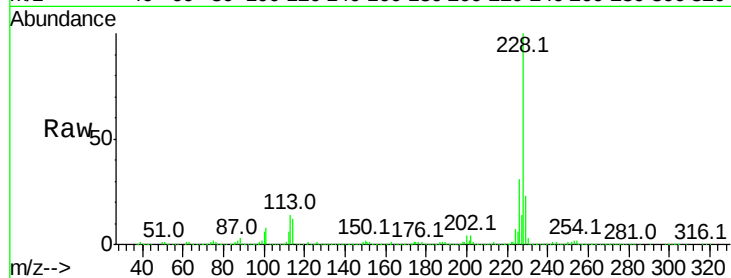
Instrument :

BNA_F

ClientSampled :

Tot Ion:228 Resp: 1193023

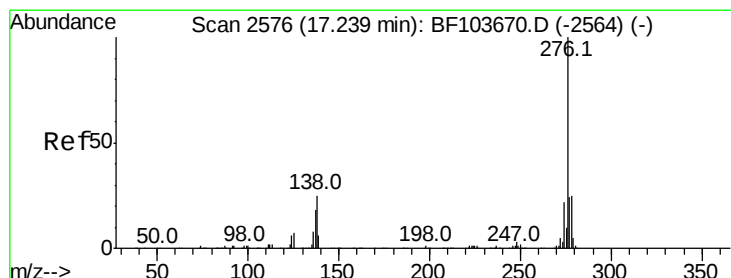
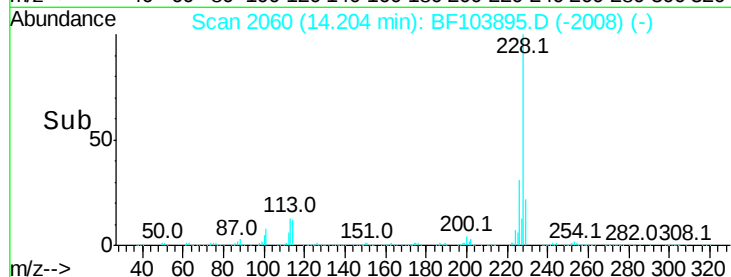
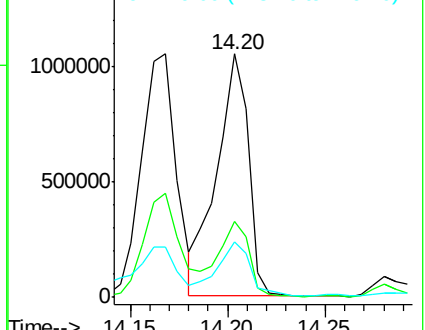
Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	23.0	16.2	24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.409 ng

RT: 17.13 min Scan# 2558

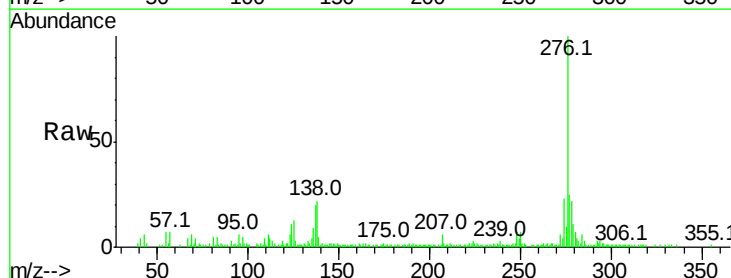
Delta R.T. -0.16 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

Tgt Ion:276 Resp: 115062

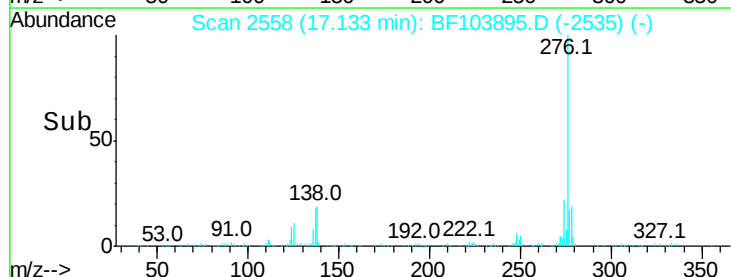
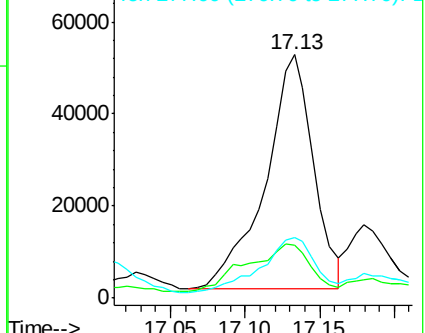
Ion	Ratio	Lower	Upper
276	100		
138	26.2	25.0	37.6
277	26.2	20.1	30.1

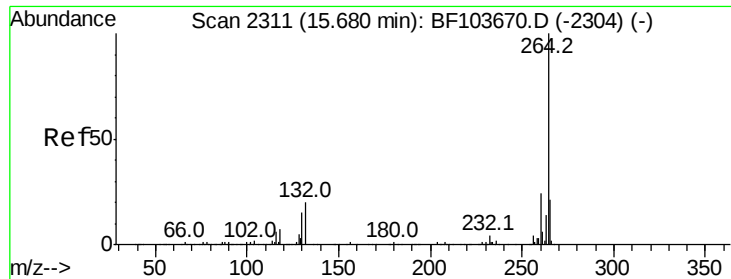


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



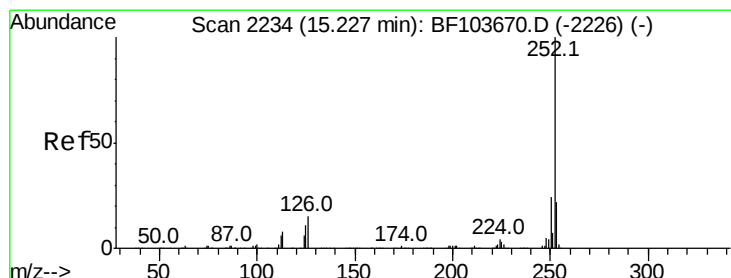
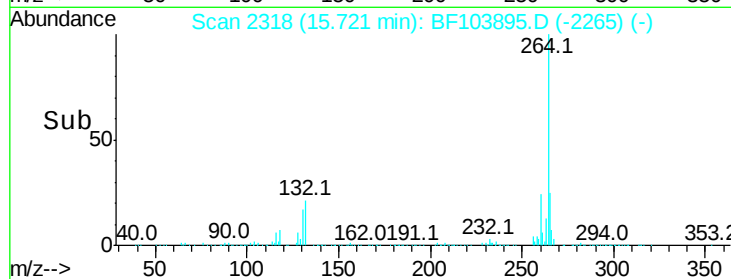
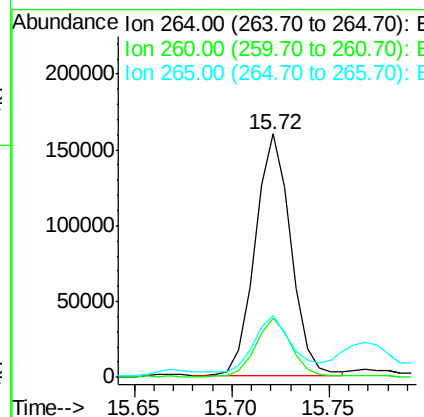
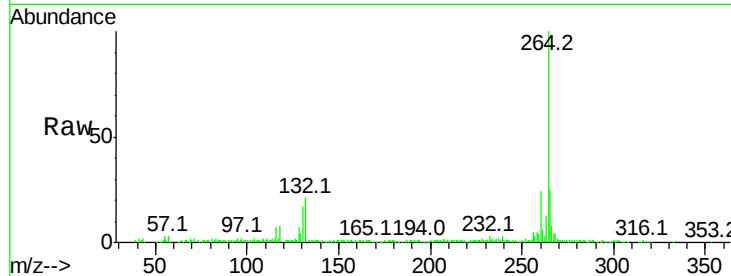


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2318
Delta R.T. 0.01 min
Lab File: BF103895.D
Acq: 23 Mar 2018 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 202795

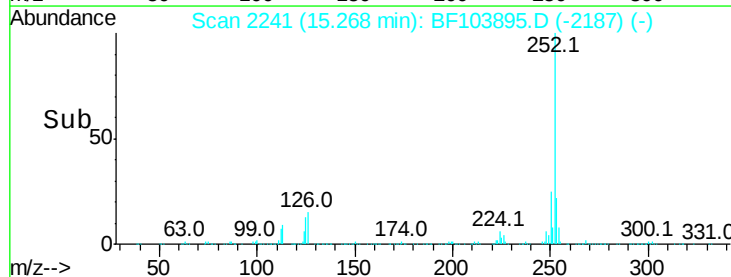
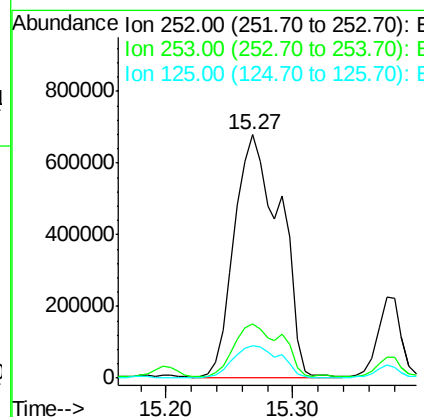
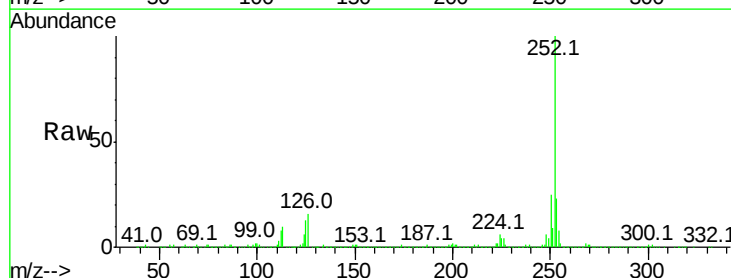
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	25.4	17.5	26.3

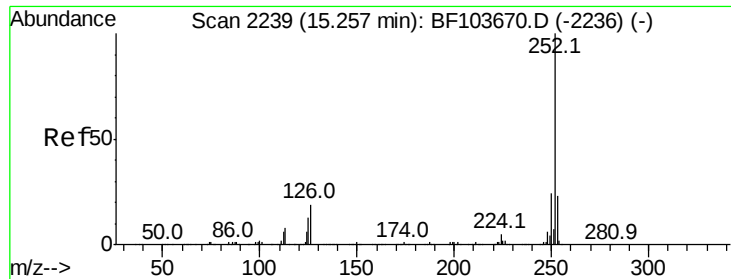


#87
Benzo(b)fluoranthene
Concen: 132.325 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF103895.D
Acq: 23 Mar 2018 22:45

Tgt Ion:252 Resp: 1695356

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	13.5	9.0	13.6

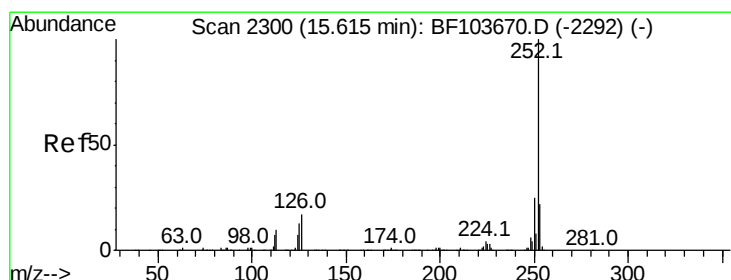
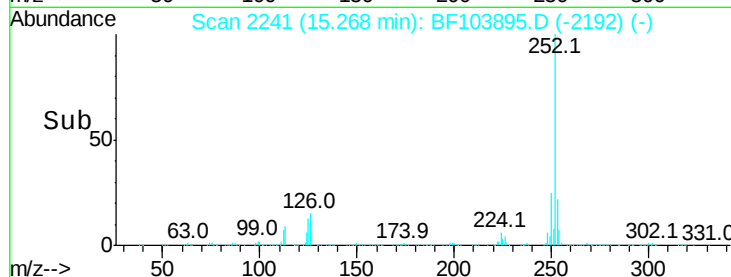
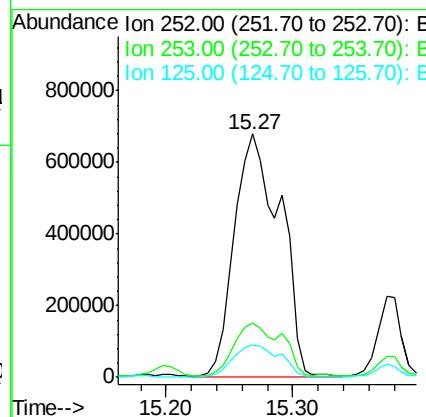
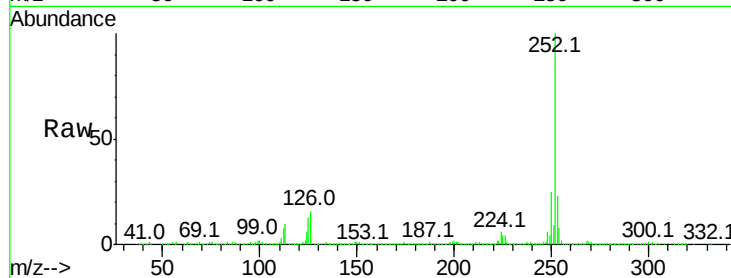




#88
Benzo(k)fluoranthene
Concen: 137.656 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF103895.D
Acq: 23 Mar 2018 22:45

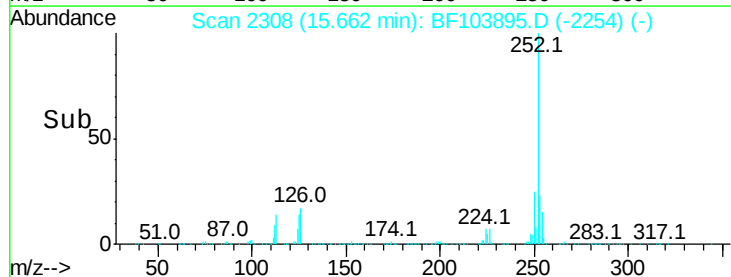
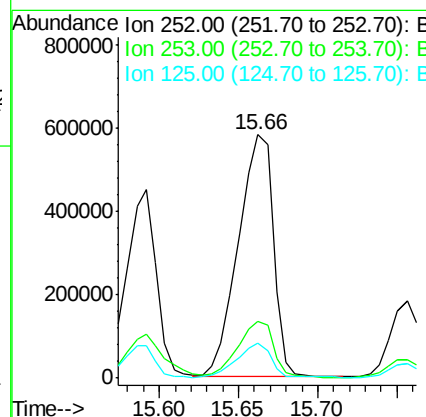
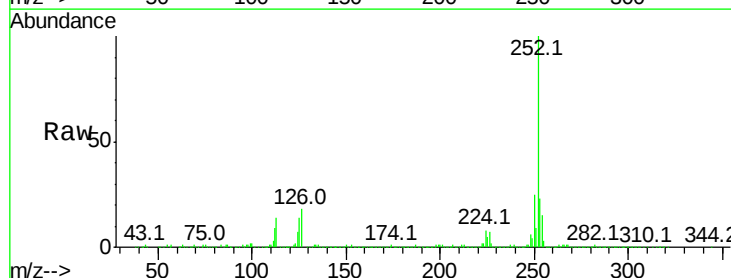
Instrument :
BNA_F
ClientSampleId :

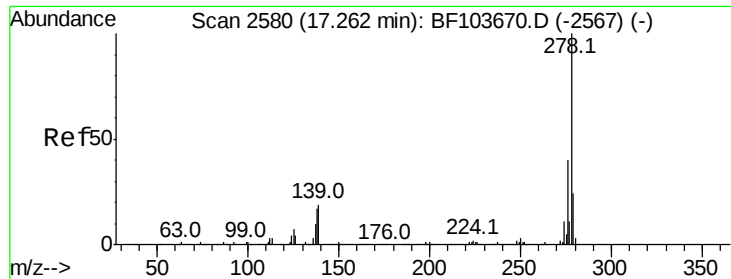
Tot Ion:252 Resp: 1695356
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 13.5 10.2 15.2



#89
Benzo(a)pyrene
Concen: 76.983 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.02 min
Lab File: BF103895.D
Acq: 23 Mar 2018 22:45

Tgt Ion:252 Resp: 894596
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 14.2 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 13.204 ng

RT: 17.32 min Scan# 2590

Delta R.T. 0.01 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

Instrument :

BNA_F

ClientSampleId :

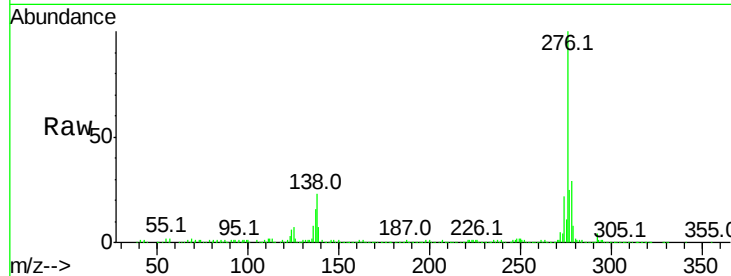
Tot Ion:278 Resp: 132863

Ion Ratio Lower Upper

278 100

139 22.8 15.9 23.9

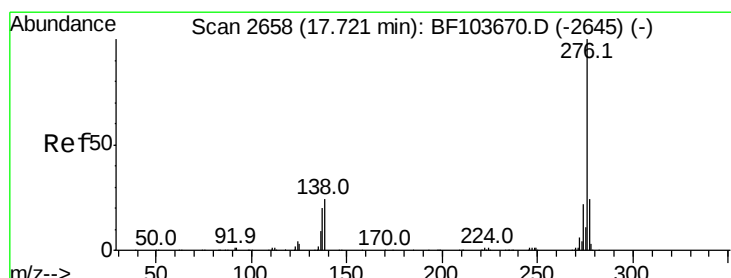
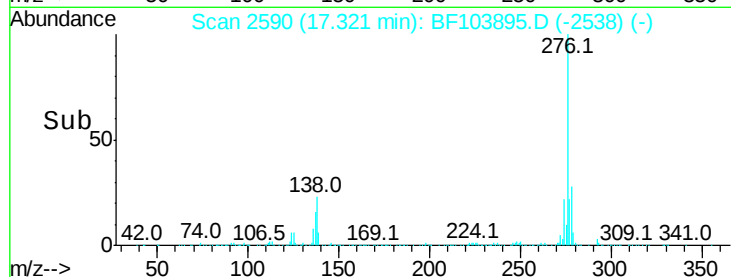
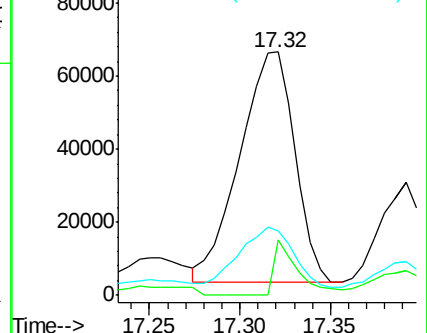
279 26.6 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 55.013 ng

RT: 17.80 min Scan# 2672

Delta R.T. 0.02 min

Lab File: BF103895.D

Acq: 23 Mar 2018 22:45

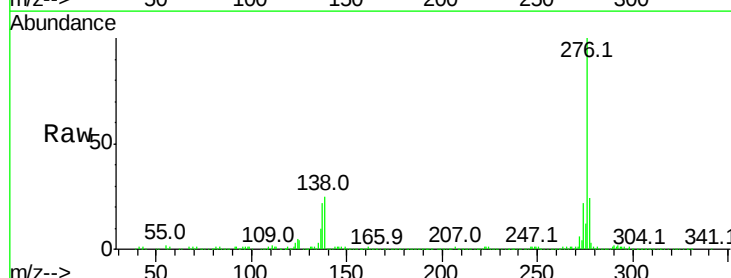
Tgt Ion:276 Resp: 538529

Ion Ratio Lower Upper

276 100

277 24.1 17.9 26.9

138 25.5 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

