

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011018\
 Data File : BF101999.D
 Acq On : 11 Jan 2018 00:23
 Operator : SJ/JU
 Sample : J1076-16 50X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-53-01

Quant Time: Jan 11 01:59:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 15:20:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	209393	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	845562	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	346526	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	510723	20.00	ng	0.00
75) Chrysene-d12	13.87	240	322648	20.00	ng	0.00
86) Perylene-d12	15.29	264	379859	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	6925	0.47	ng	0.00
7) Phenol-d6	6.35	99	8919	0.50	ng	0.00
23) Nitrobenzene-d5	7.28	82	4856	0.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	916	0.30	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	8874	0.40	ng	-0.01
78) Terphenyl-d14	12.82	244	5710	0.37	ng	-0.01

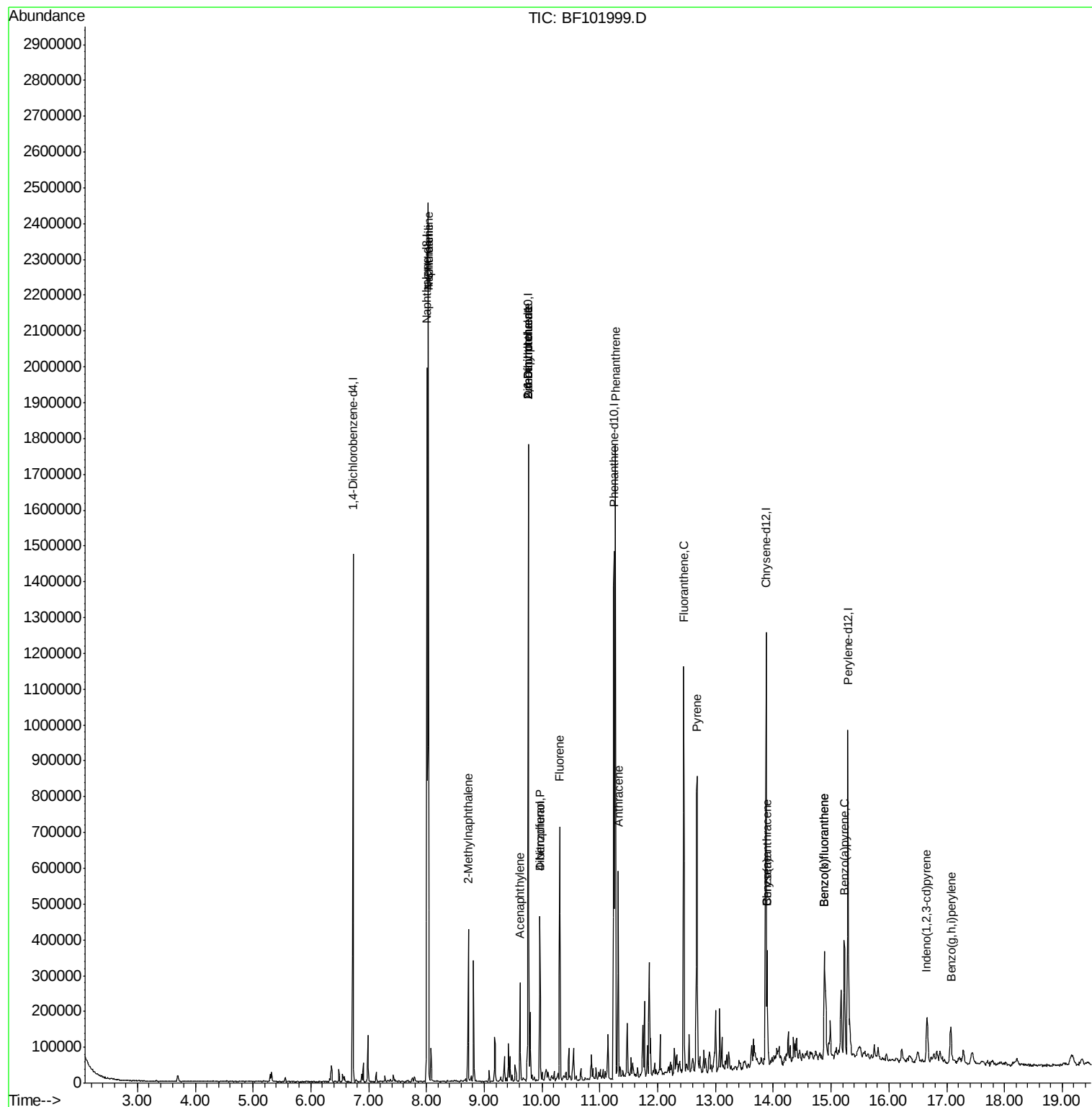
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.03	128	1107824	26.220	ng	99
33) 4-Chloroaniline	8.03	127	148988	8.262	ng	# 37
37) 2-Methylnaphthalene	8.72	142	115096	4.138	ng	99
48) Acenaphthylene	9.62	152	107585	2.854	ng	98
49) Dimethylphthalate	9.76	163	100067	3.600	ng	# 1
50) 2,6-Dinitrotoluene	9.76	165	46965	8.458	ng	# 26
54) Dibenzofuran	9.96	168	153611	4.892	ng	99
55) 4-Nitrophenol	9.96	139	58571	11.215	ng	# 10
56) 2,4-Dinitrotoluene	9.76	165	46965	6.748	ng	# 23
57) Fluorene	10.30	166	178912	8.243	ng	98
70) Phenanthrene	11.27	178	623858	20.912	ng	97
71) Anthracene	11.32	178	190430	6.294	ng	99
74) Fluoranthene	12.45	202	401840	13.691	ng	99
77) Pyrene	12.68	202	328896	11.532	ng	98
80) Benzo(a)anthracene	13.90	228	107595	5.227	ng	95
82) Chrysene	13.90	228	107595	5.012	ng	98
85) Indeno(1,2,3-cd)pyrene	16.66	276	75504	4.833	ng	98
87) Benzo(b)fluoranthene	14.89	252	216468	8.740	ng	# 95
88) Benzo(k)fluoranthene	14.89	252	216468	9.060	ng	# 97
89) Benzo(a)pyrene	15.23	252	134849	6.050	ng	# 97
91) Benzo(g,h,i)perylene	17.07	276	69401	3.874	ng	98

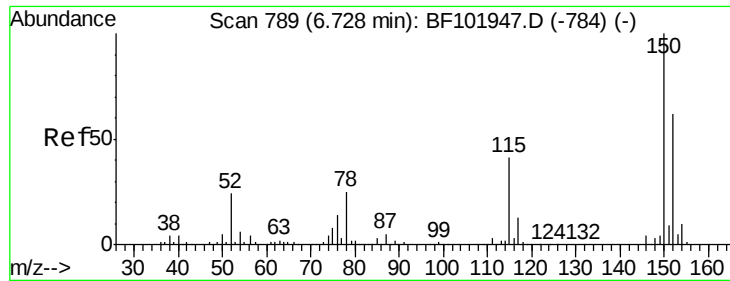
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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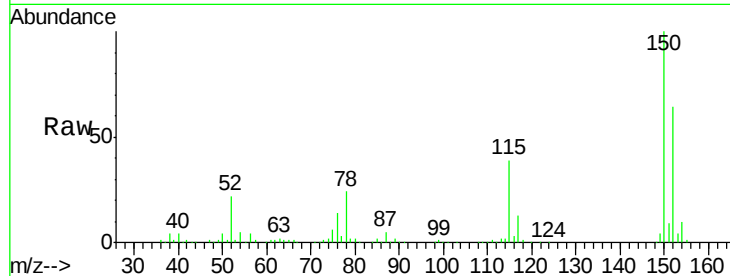


#1

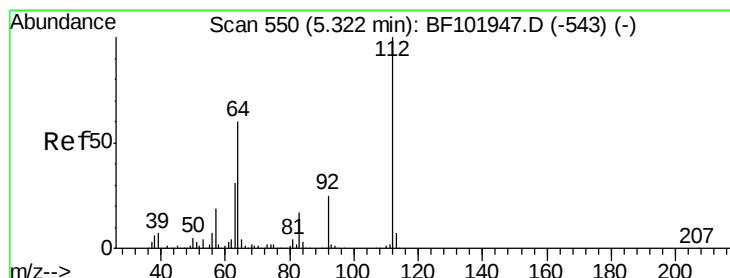
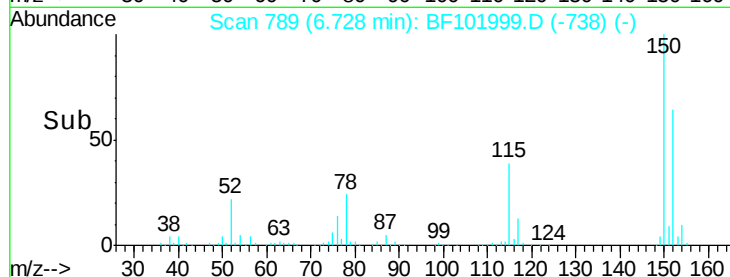
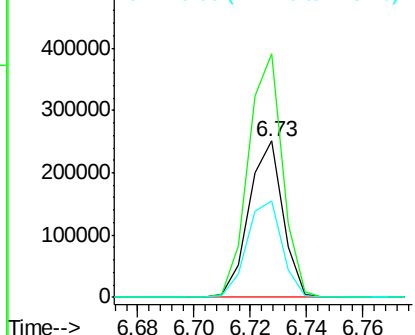
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

Instrument :
BNA_F
ClientSampleId :
WC-53-01

Tot Ion:152 Resp: 209393
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 61.4 50.1 75.1



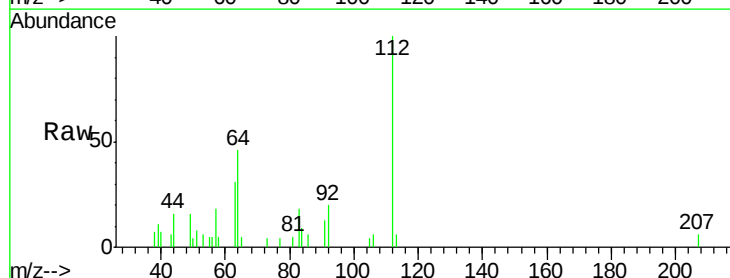
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



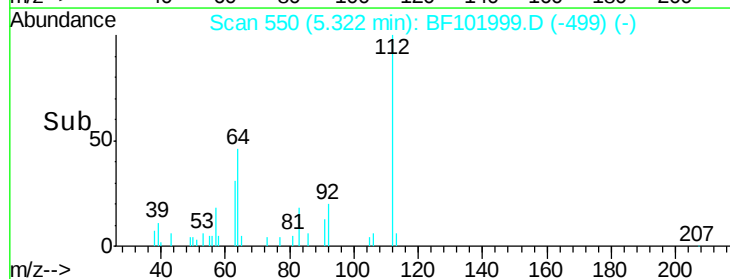
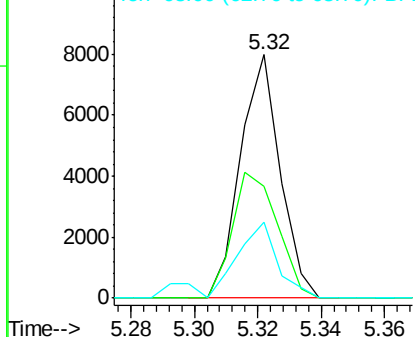
#5

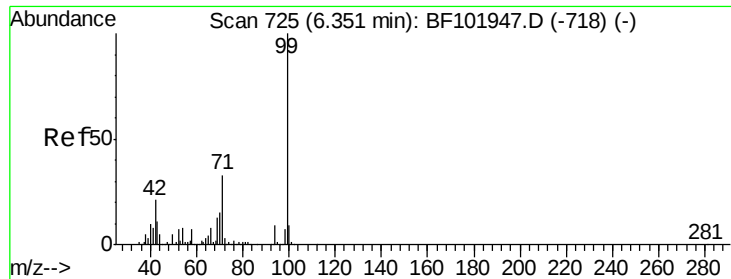
2-Fluorophenol
Concen: 0.467 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

Tgt Ion:112 Resp: 6925
Ion Ratio Lower Upper
112 100
64 45.8 47.9 71.9#
63 31.2 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: 0.504 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF101999.D

Acq: 11 Jan 2018 00:23

Instrument :

BNA_F

ClientSampleId :

WC-53-01

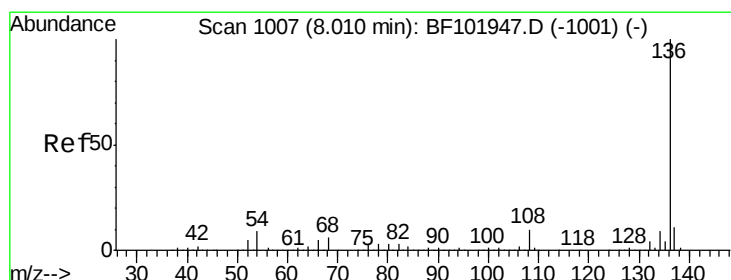
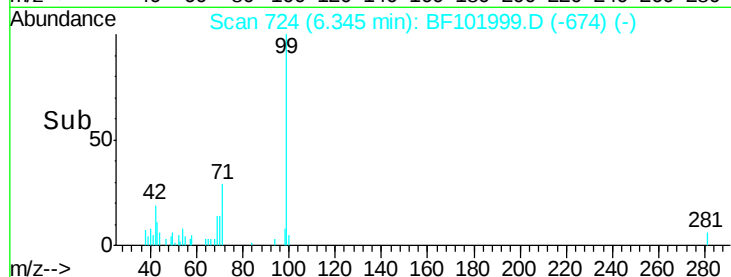
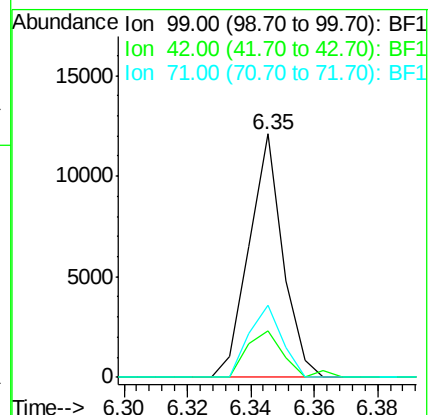
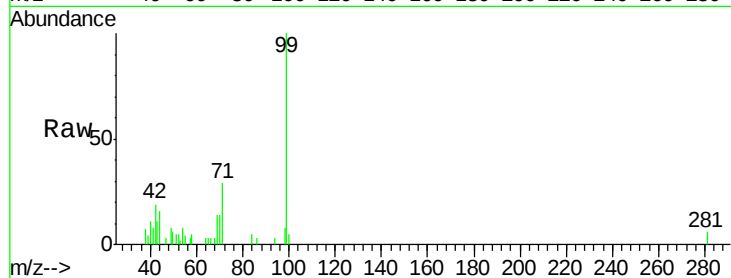
Tot Ion: 99 Resp: 8919

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

71 29.4 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF101999.D

Acq: 11 Jan 2018 00:23

Tgt Ion: 136 Resp: 845562

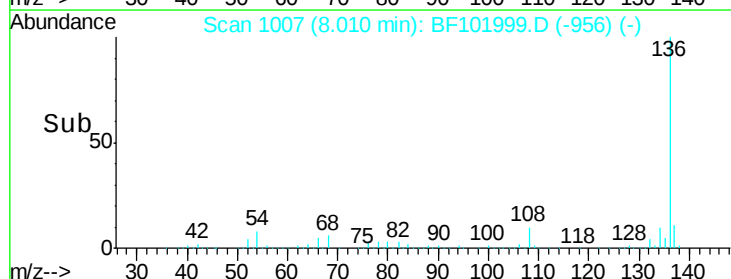
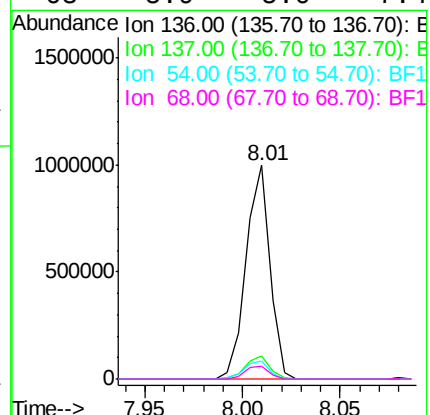
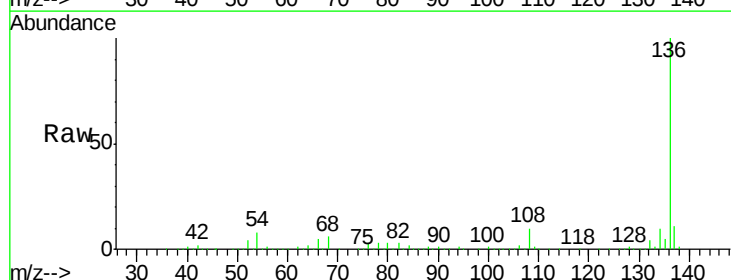
Ion Ratio Lower Upper

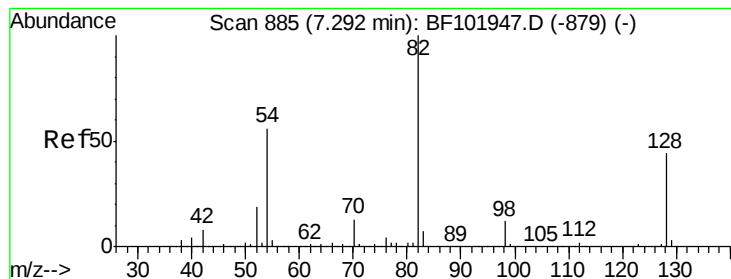
136 100

137 10.9 8.9 13.3

54 8.3 6.6 9.8

68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 0.337 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF101999.D

Acq: 11 Jan 2018 00:23

Instrument :

BNA_F

ClientSampleId :

WC-53-01

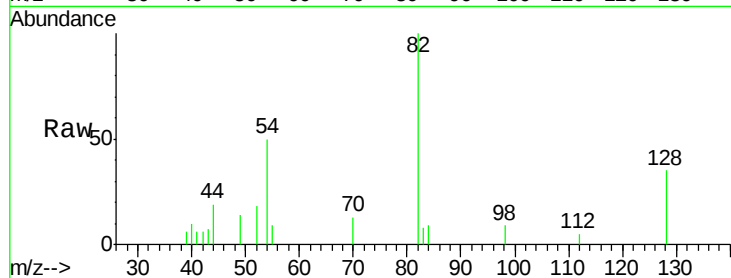
Tot Ion: 82 Resp: 4856

Ion Ratio Lower Upper

82 100

128 34.6 36.1 54.1#

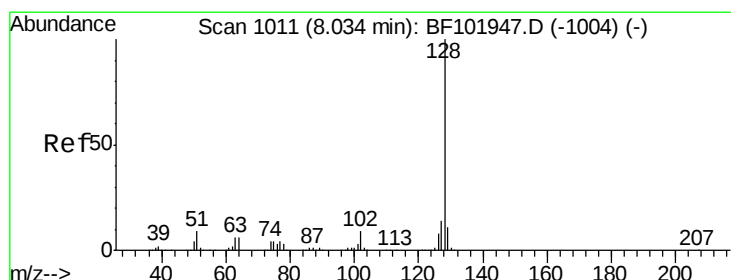
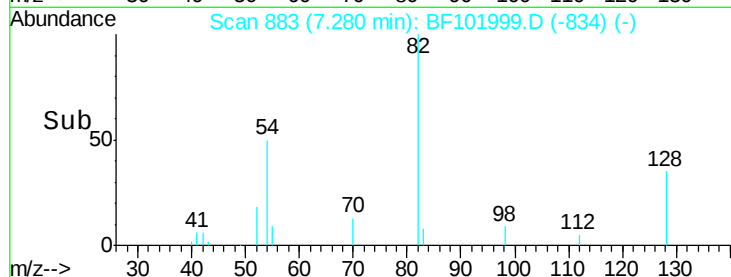
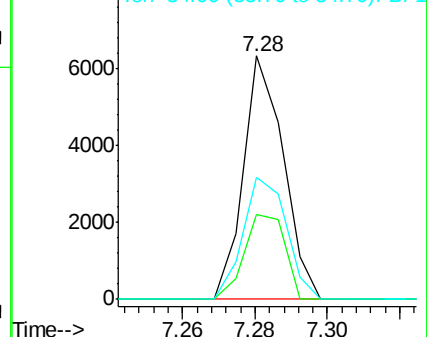
54 50.4 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31

Naphthalene

Concen: 26.220 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF101999.D

Acq: 11 Jan 2018 00:23

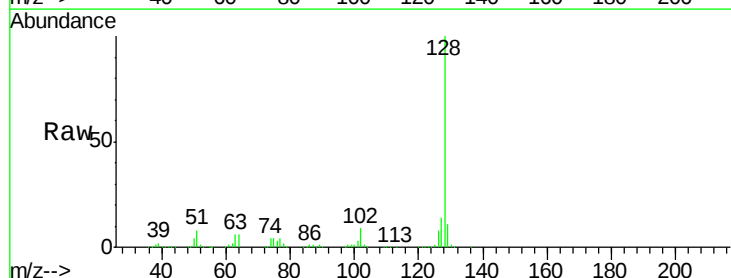
Tgt Ion:128 Resp: 1107824

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

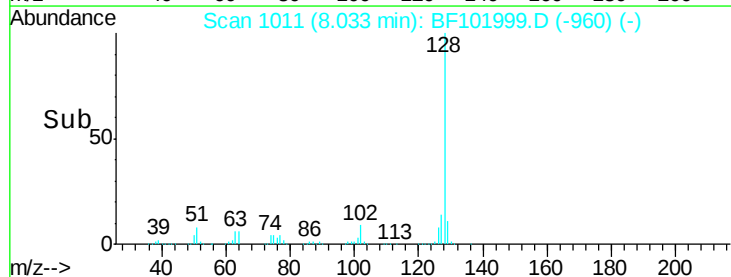
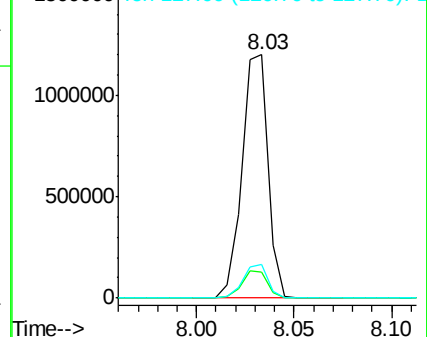
127 13.9 10.9 16.3

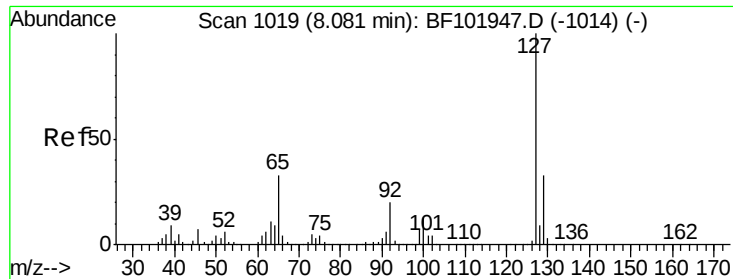


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

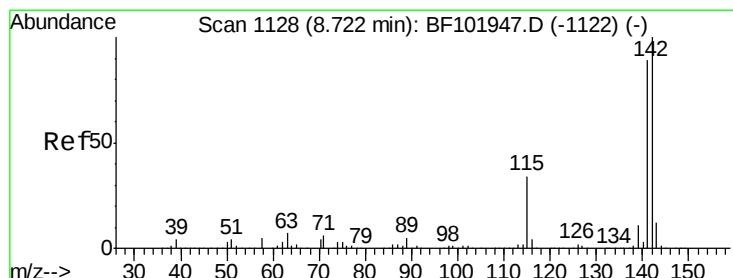
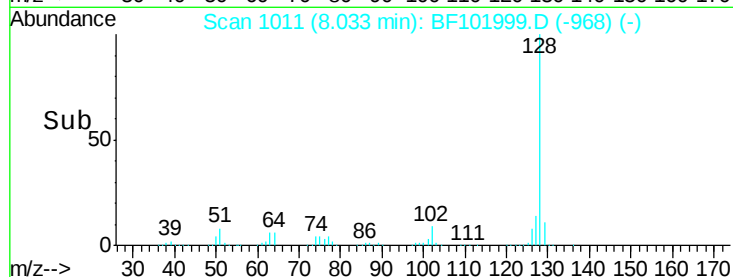
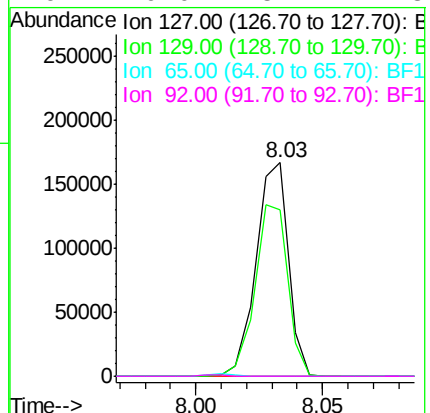
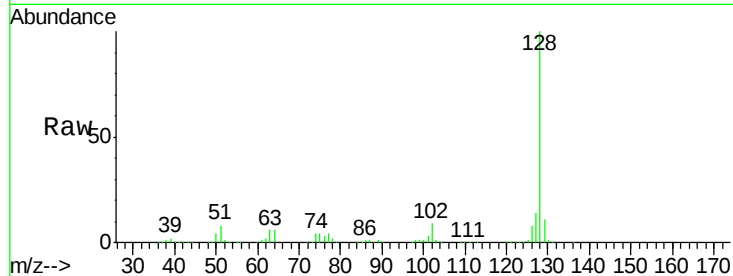




#33
4-Chloroaniline
Concen: 8.262 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.05 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

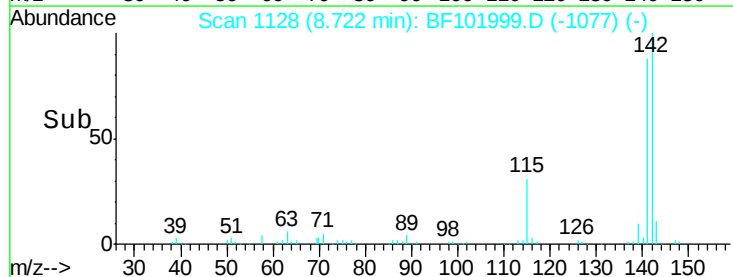
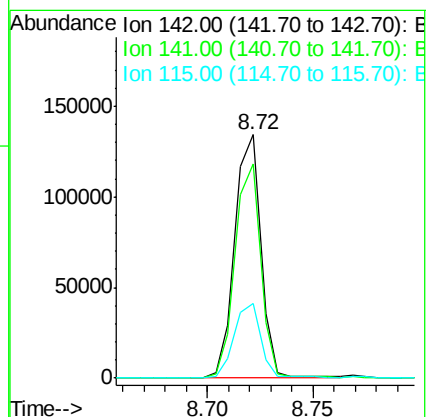
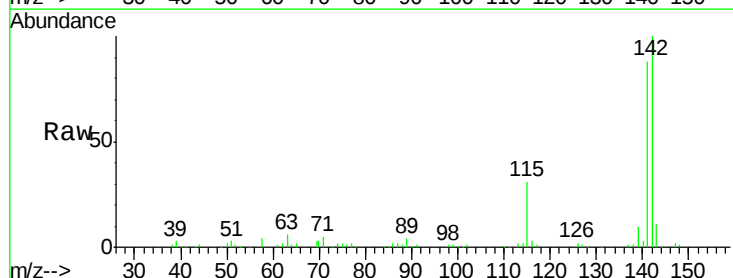
Instrument :
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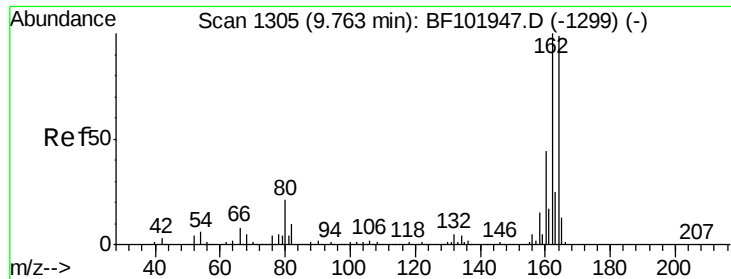
Tot Ion:127 Resp: 148988
Ion Ratio Lower Upper
127 100
129 77.7 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



#37
2-Methylnaphthalene
Concen: 4.138 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

Tgt Ion:142 Resp: 115096
Ion Ratio Lower Upper
142 100
141 88.2 70.8 106.2
115 30.7 26.1 39.1

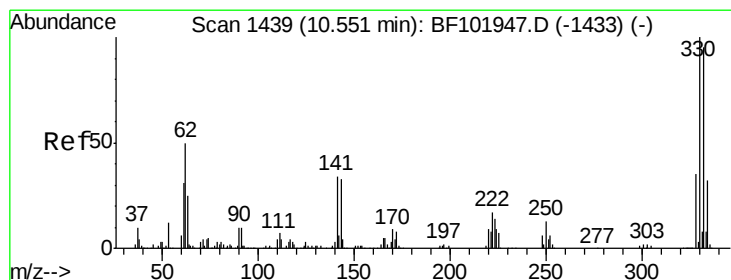
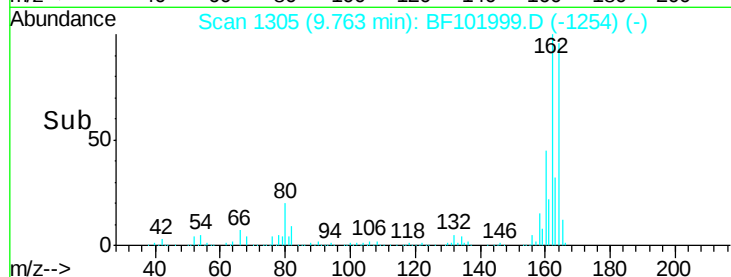
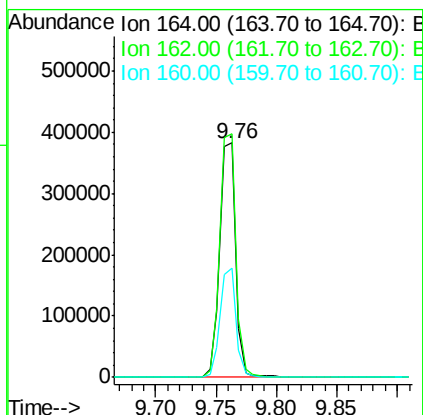
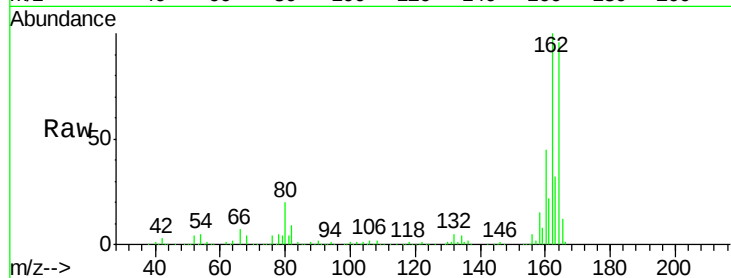




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: BF101999.D
 Acq: 11 Jan 2018 00:23

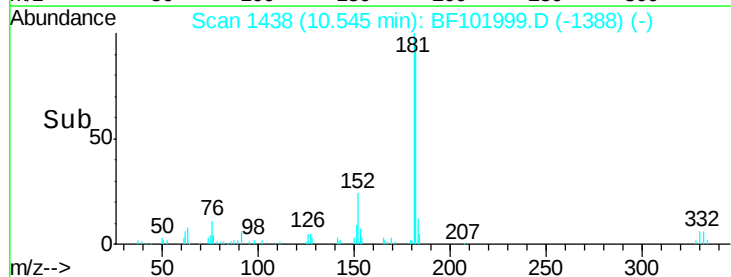
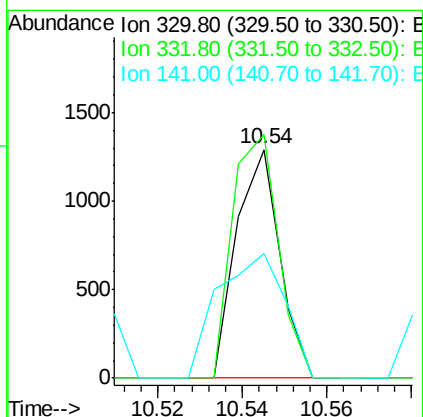
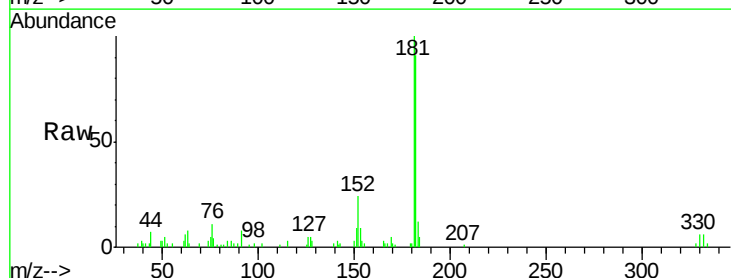
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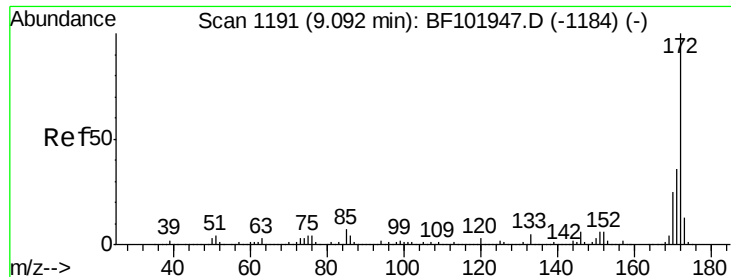
Tot Ion:164 Resp: 346526
 Ion Ratio Lower Upper
 164 100
 162 103.8 86.1 129.1
 160 46.7 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 0.303 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF101999.D
 Acq: 11 Jan 2018 00:23

Tgt Ion:330 Resp: 916
 Ion Ratio Lower Upper
 330 100
 332 113.4 77.0 115.6
 141 84.5 29.9 44.9#

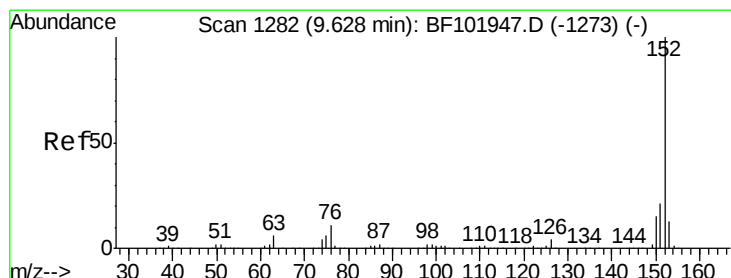
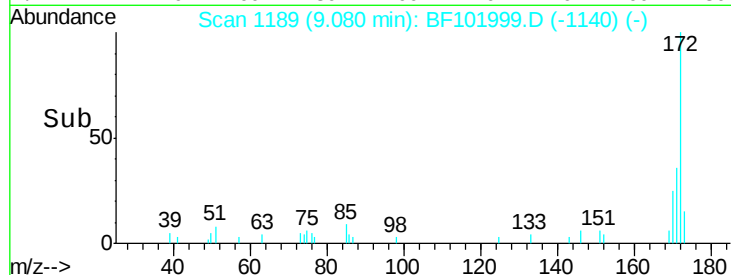
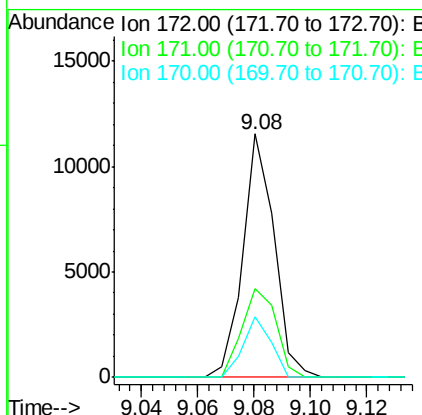
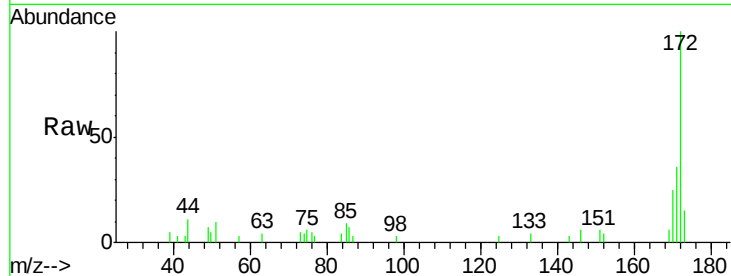




#44
2-Fluorobiphenyl
Concen: 0.400 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

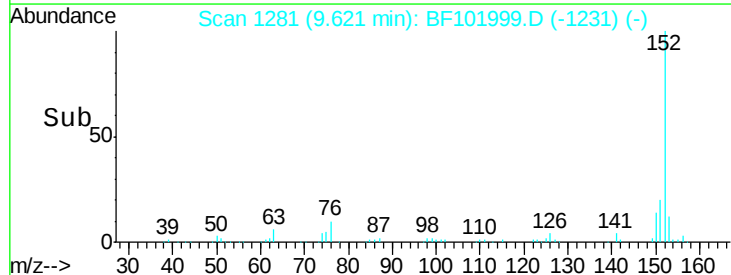
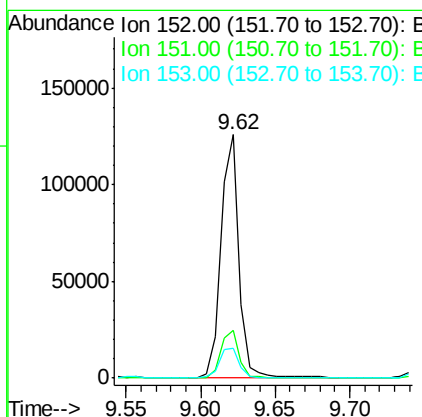
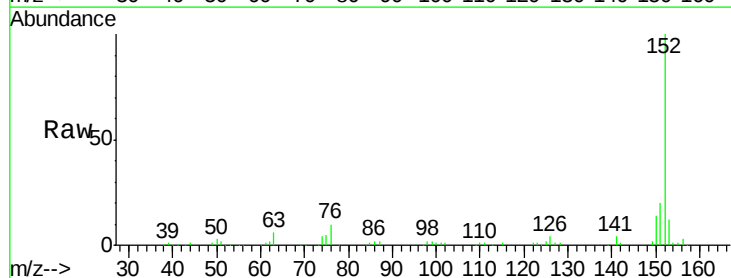
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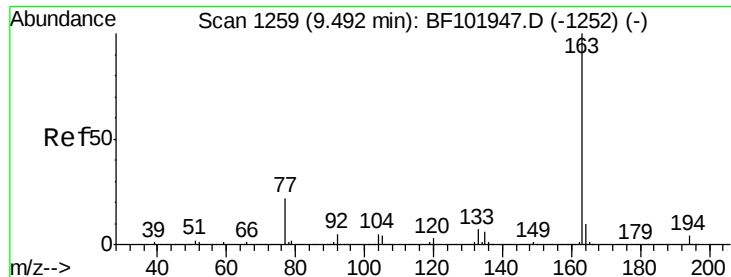
Tot Ion:172 Resp: 8874
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 25.0 19.6 29.4



#48
Acenaphthylene
Concen: 2.854 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

Tgt Ion:152 Resp: 107585
Ion Ratio Lower Upper
152 100
151 19.8 16.3 24.5
153 12.3 10.7 16.1





#49

Dimethylphthalate

Concen: 3.600 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.27 min

Lab File: BF101999.D

Acq: 11 Jan 2018 00:23

Instrument :

BNA_F

ClientSampled :

WC-53-01

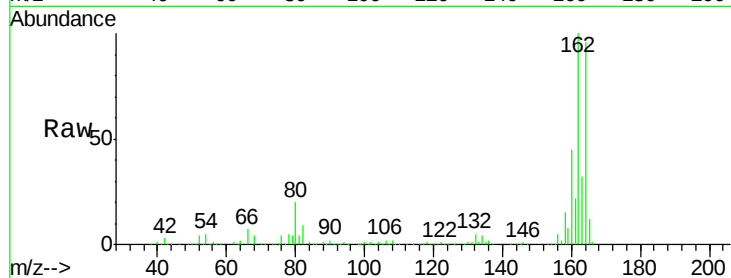
Tot Ion:163 Resp: 100067

Ion Ratio Lower Upper

163 100

194 0.0 2.7 4.1#

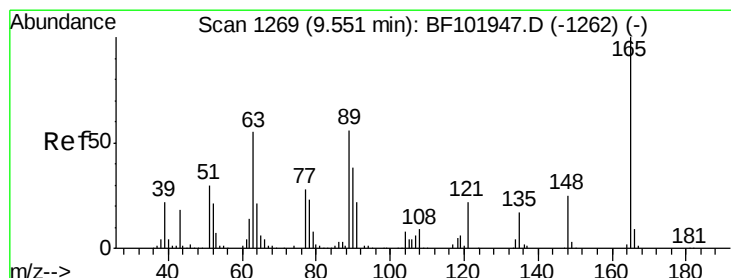
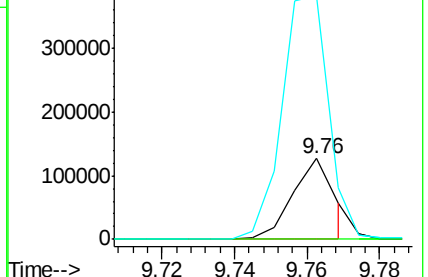
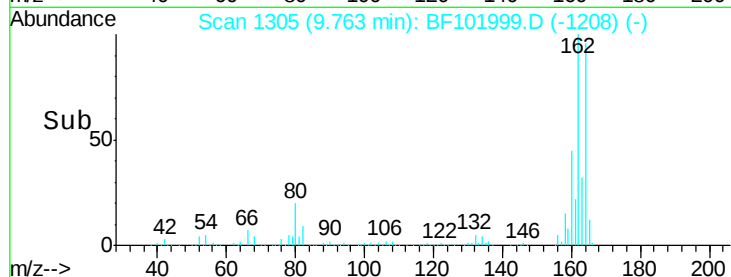
164 300.8 8.2 12.2#



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: 8.458 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.21 min

Lab File: BF101999.D

Acq: 11 Jan 2018 00:23

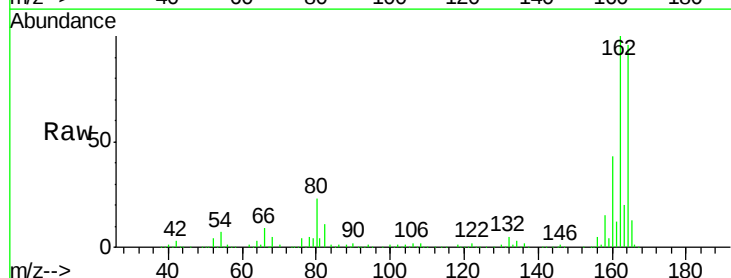
Tgt Ion:165 Resp: 46965

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

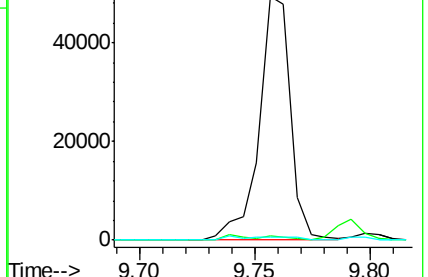
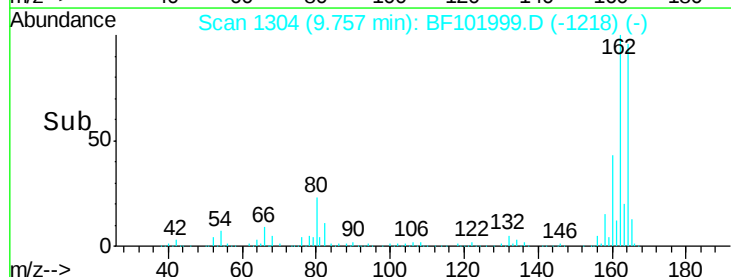
89 1.2 44.0 66.0#

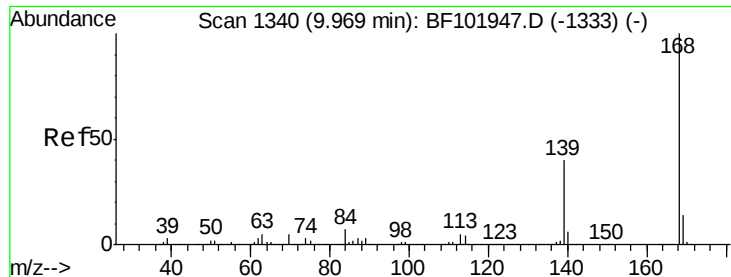


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

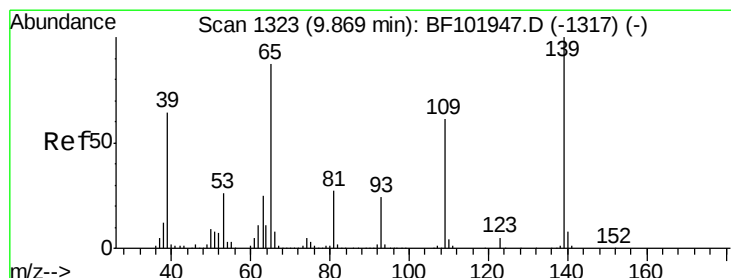
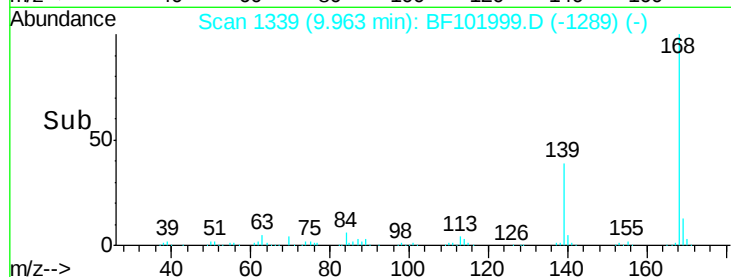
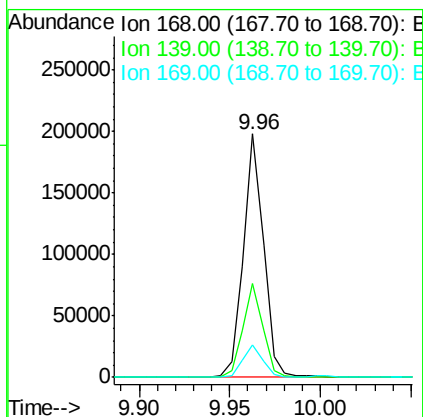
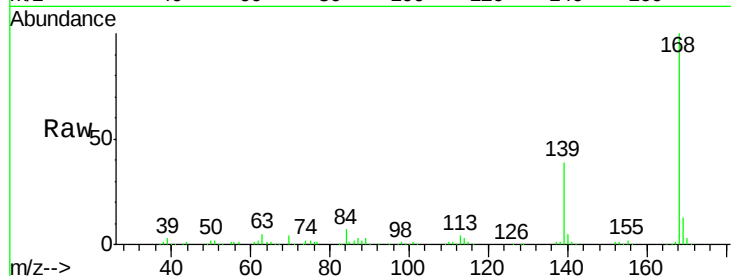




#54
Dibenzofuran
Concen: 4.892 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

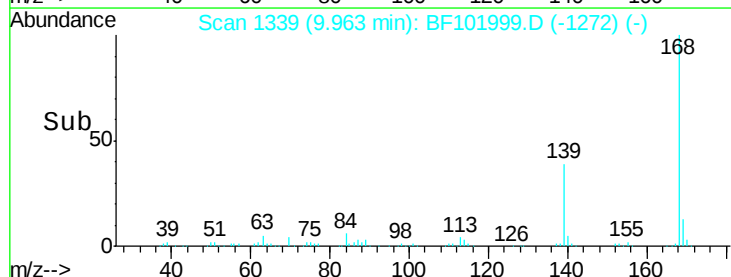
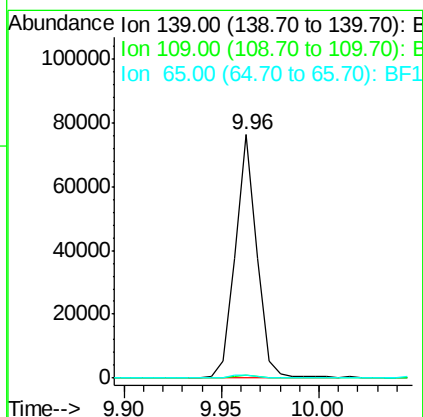
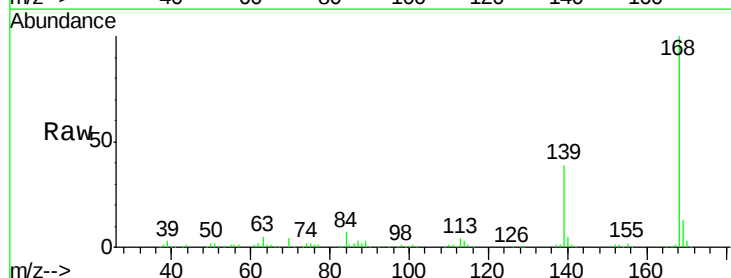
Instrument :
BNA_F
ClientSampled :
WC-53-01

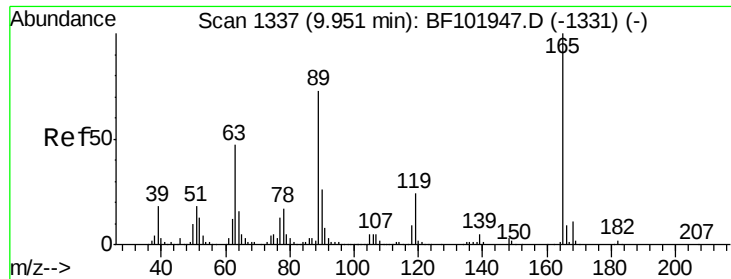
Tot Ion:168 Resp: 153611
Ion Ratio Lower Upper
168 100
139 38.5 30.1 45.1
169 13.4 10.9 16.3



#55
4-Nitrophenol
Concen: 11.215 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.09 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

Tgt Ion:139 Resp: 58571
Ion Ratio Lower Upper
139 100
109 1.0 48.4 88.4#
65 1.5 72.6 112.6#

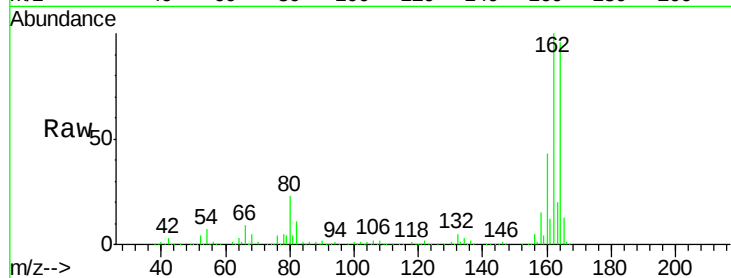




#56
2,4-Dinitrotoluene
Concen: 6.748 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.19 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

Instrument :
BNA_F
ClientSampleId :
WC-53-01

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

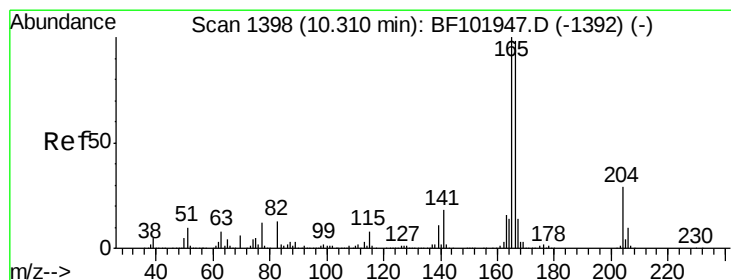
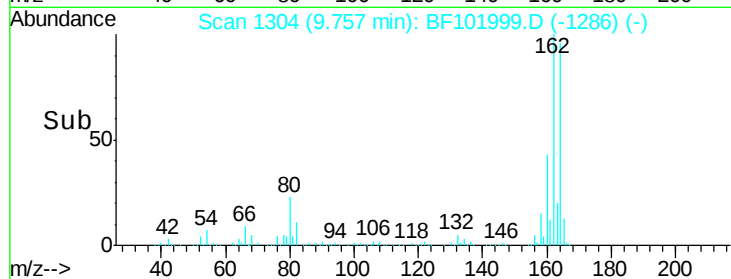
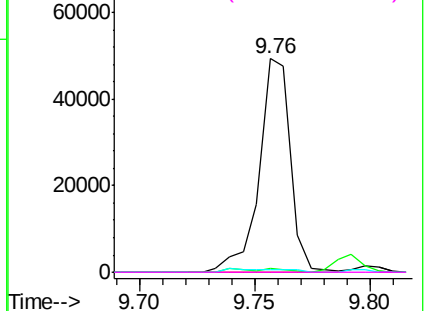


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

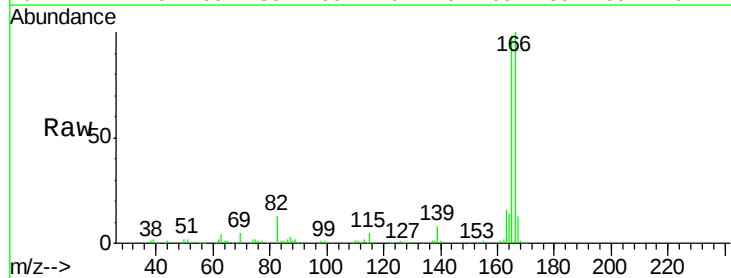
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 8.243 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

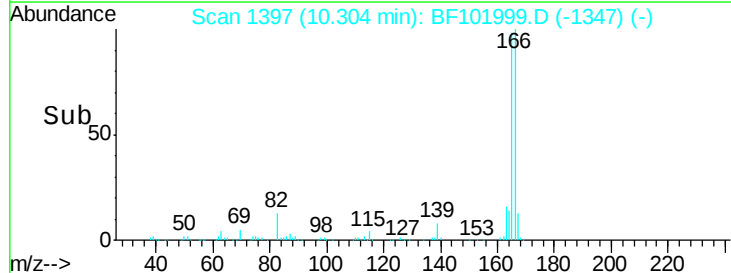
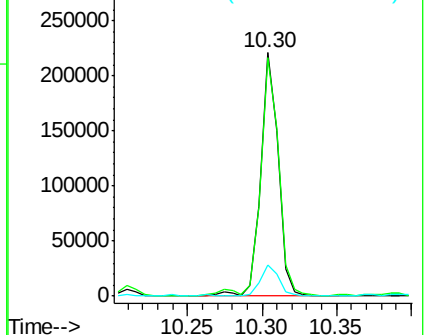
Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.8	119.8
167	12.9	10.6	16.0

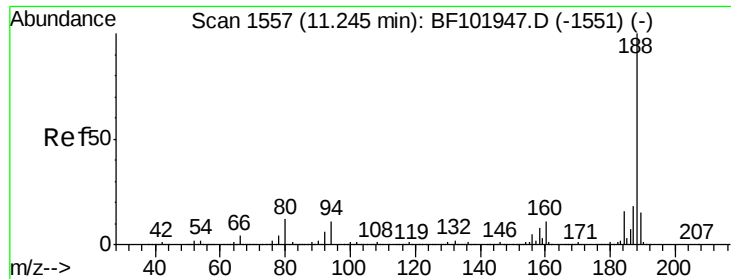


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

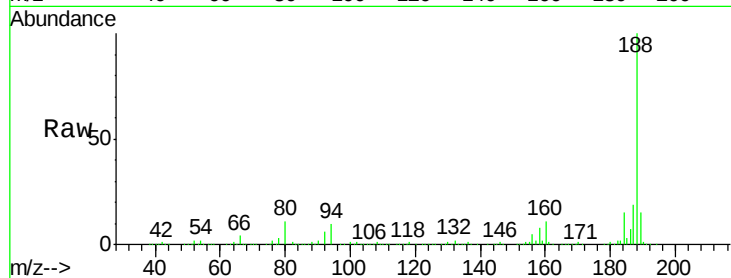




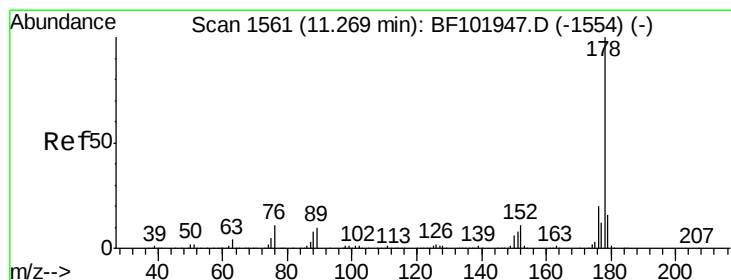
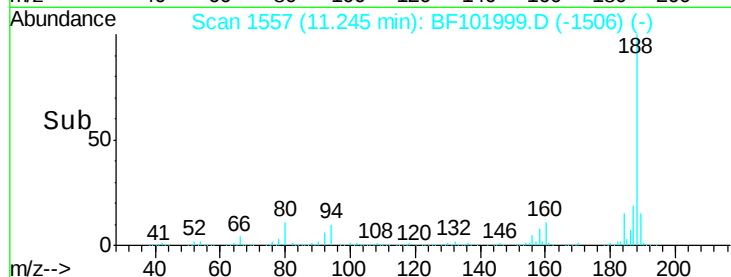
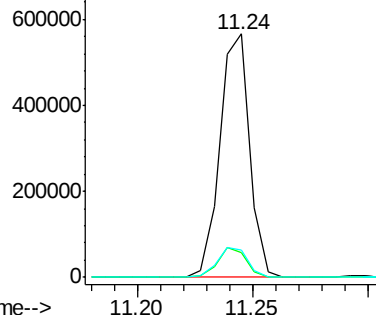
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

Instrument :
BNA_F
ClientSampleId :
WC-53-01

Tot Ion:188 Resp: 510723
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.0 9.2 13.8

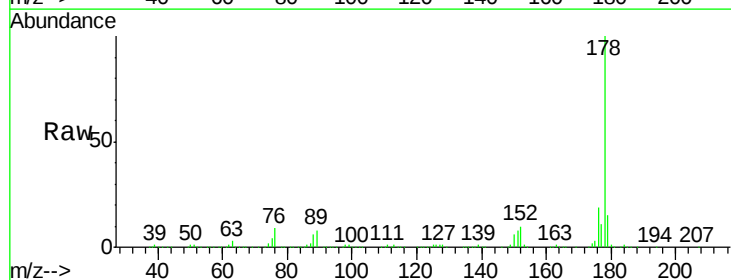


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

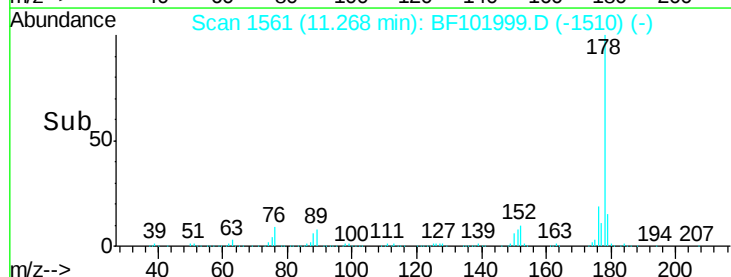
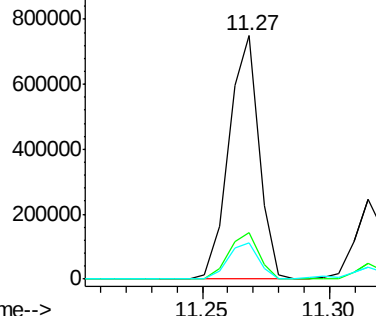


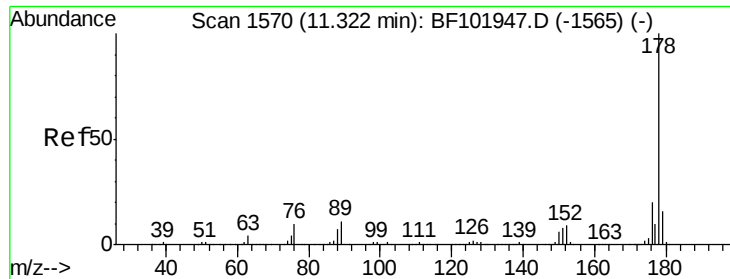
#70
Phenanthrene
Concen: 20.912 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

Tgt Ion:178 Resp: 623858
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 14.8 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

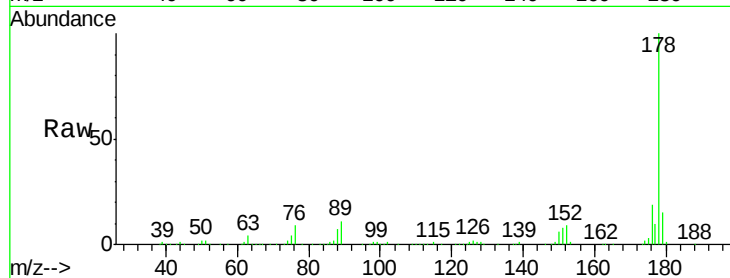




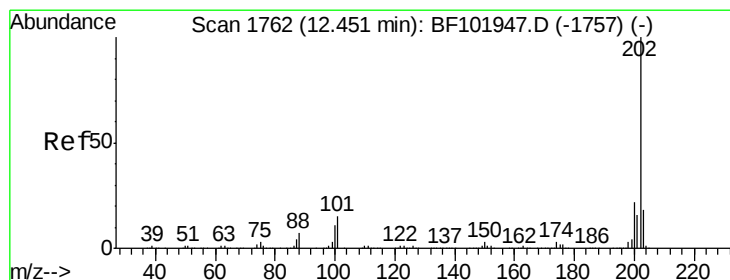
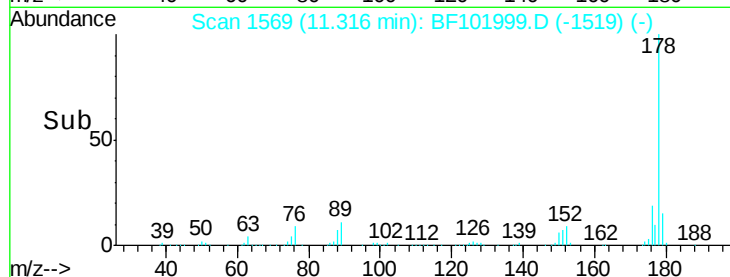
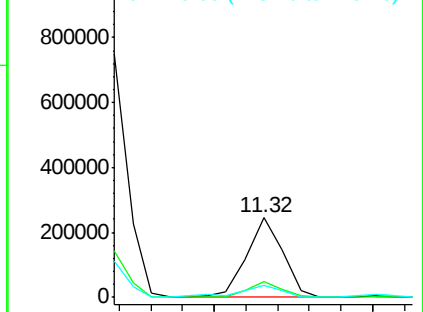
#71
 Anthracene
 Concen: 6.294 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF101999.D
 Acq: 11 Jan 2018 00:23

Instrument :
 BNA_F
 ClientSampleId :
 WC-53-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.3	12.6	19.0

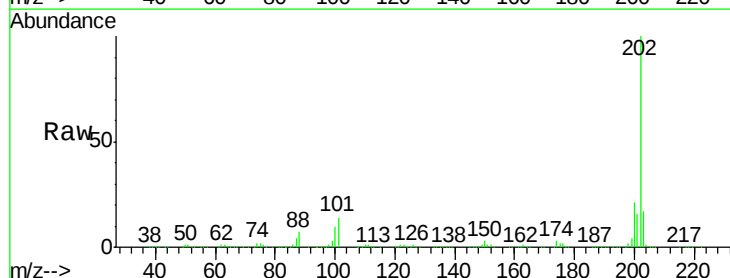


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

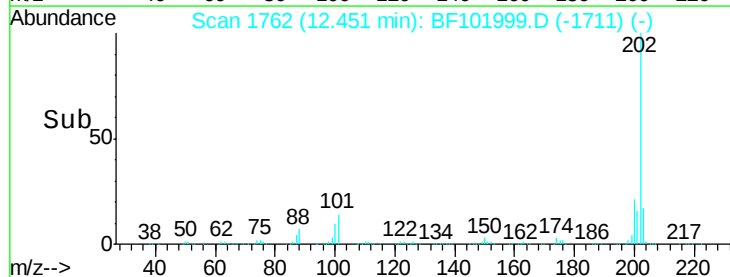
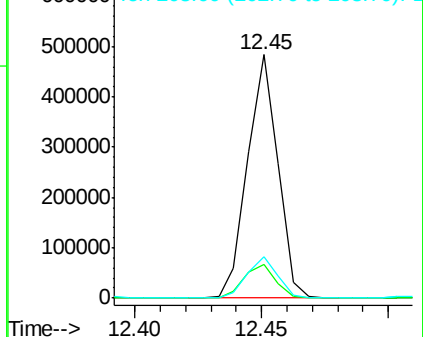


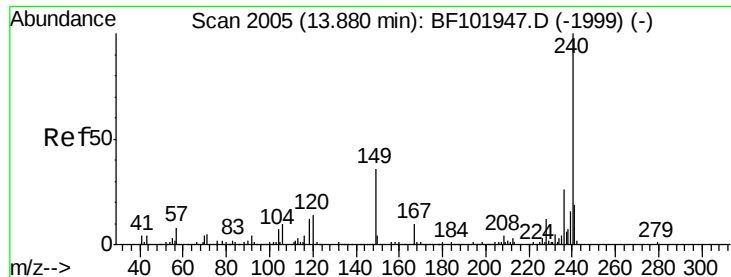
#74
 Fluoranthene
 Concen: 13.691 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: BF101999.D
 Acq: 11 Jan 2018 00:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	34.1
203	17.1	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: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF101999.D

Acq: 11 Jan 2018 00:23

Instrument :

BNA_F

ClientSampleId :

WC-53-01

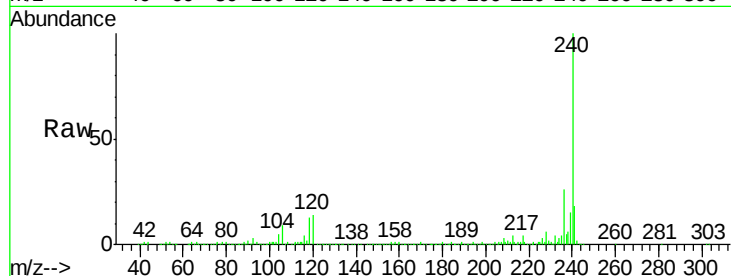
Tot Ion:240 Resp: 322648

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

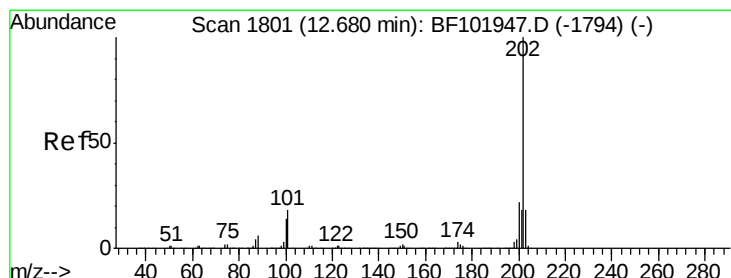
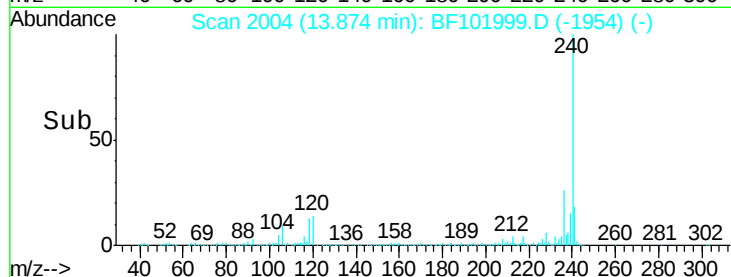
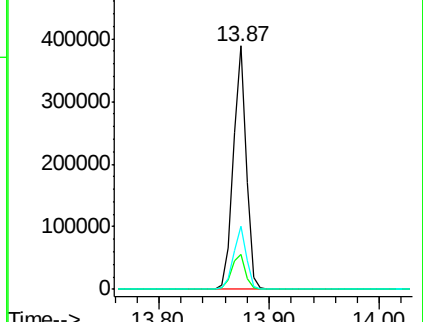
236 26.2 20.7 31.1



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: 11.532 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF101999.D

Acq: 11 Jan 2018 00:23

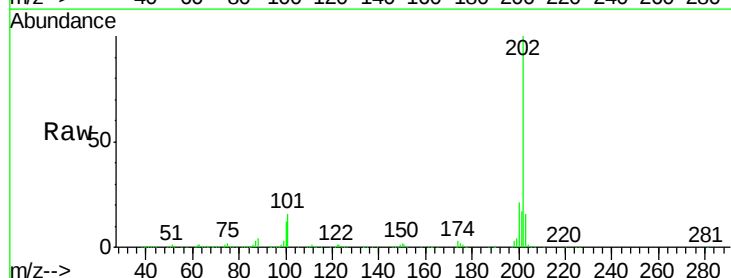
Tgt Ion:202 Resp: 328896

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

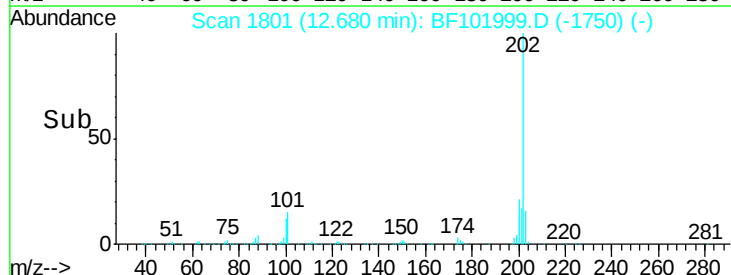
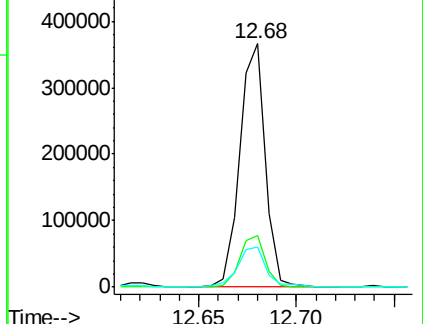
203 16.5 14.3 21.5

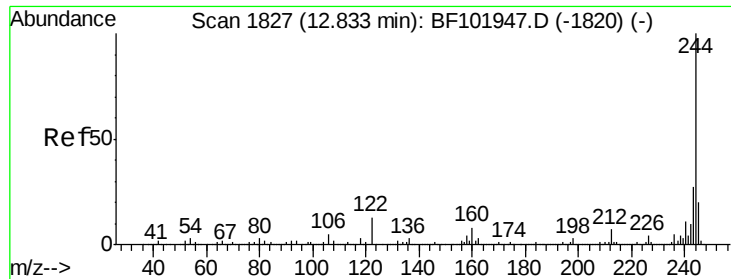


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.367 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF101999.D

Acq: 11 Jan 2018 00:23

Instrument :

BNA_F

ClientSampleId :

WC-53-01

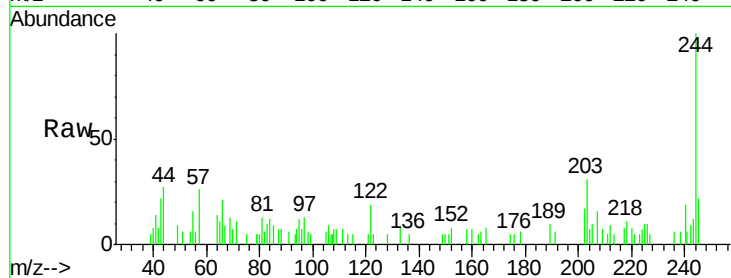
Tot Ion:244 Resp: 5710

Ion Ratio Lower Upper

244 100

212 9.3 5.4 8.0#

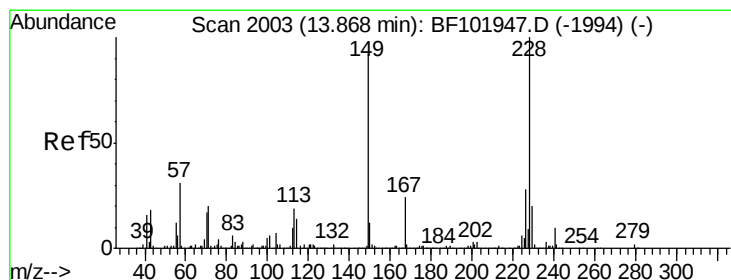
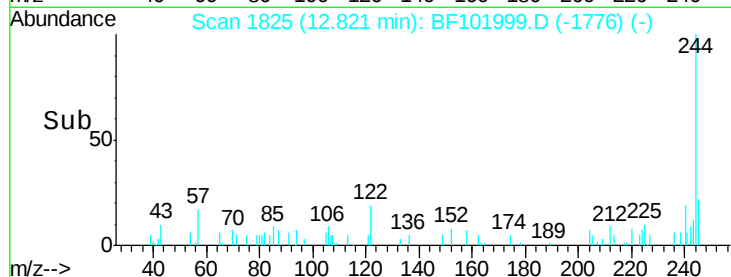
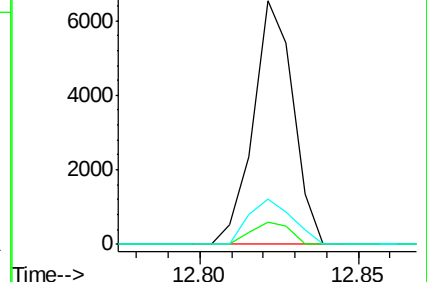
122 18.5 11.0 16.4#



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: 5.227 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.03 min

Lab File: BF101999.D

Acq: 11 Jan 2018 00:23

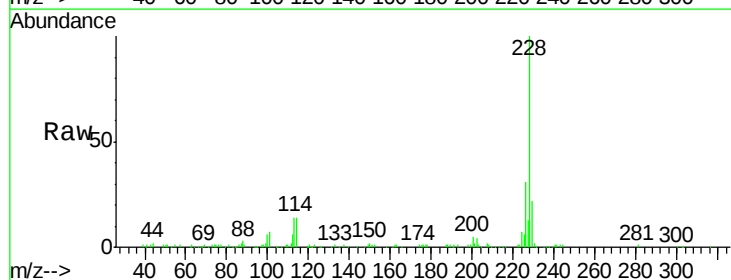
Tgt Ion:228 Resp: 107595

Ion Ratio Lower Upper

228 100

226 31.1 22.6 33.8

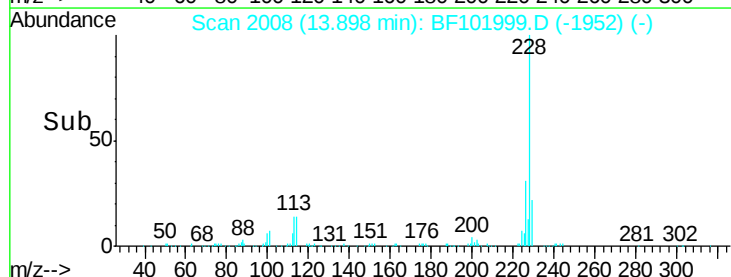
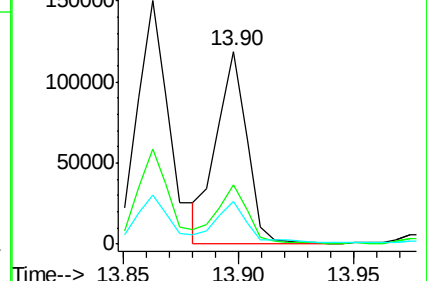
229 22.2 15.8 23.6

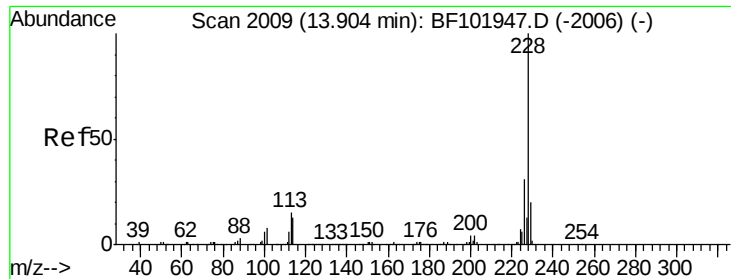


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

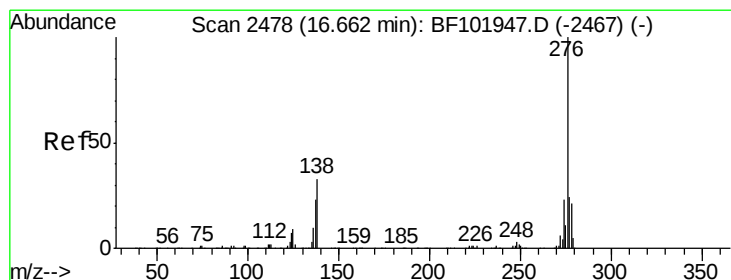
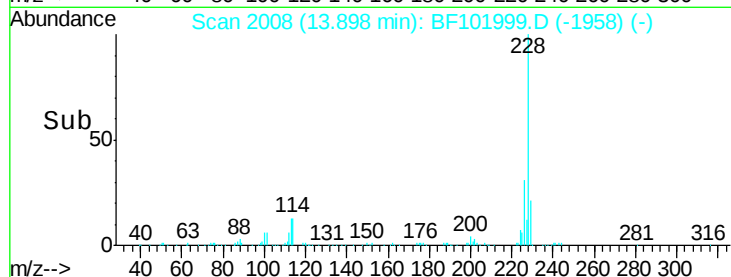
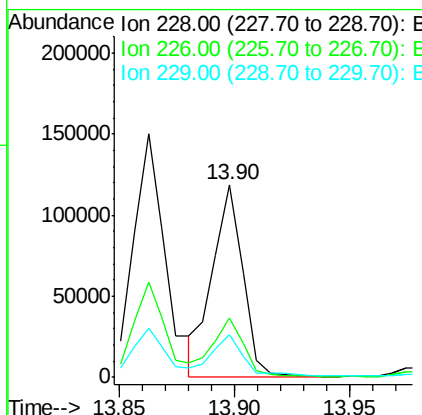
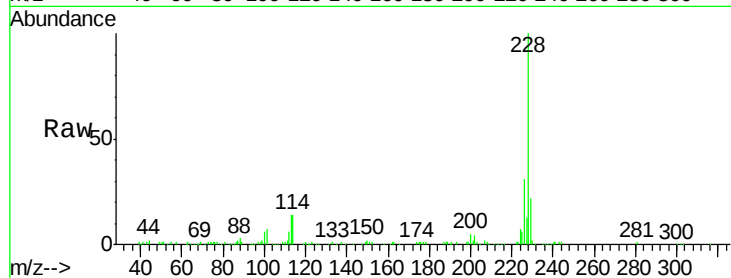




#82
Chrysene
Concen: 5.012 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

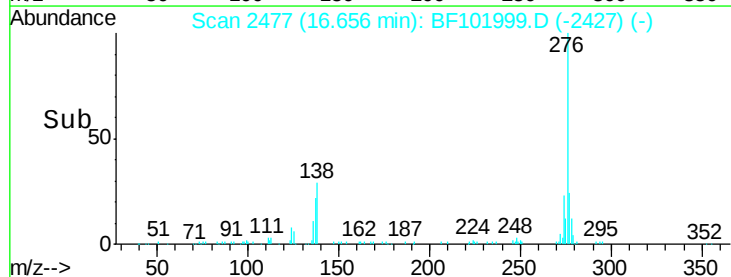
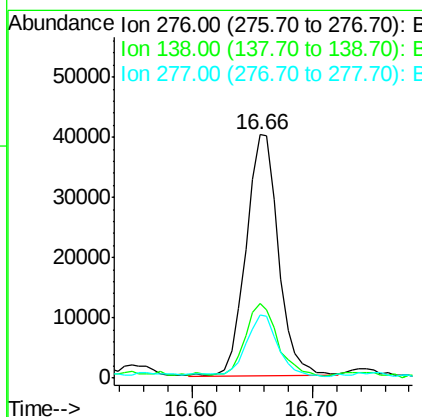
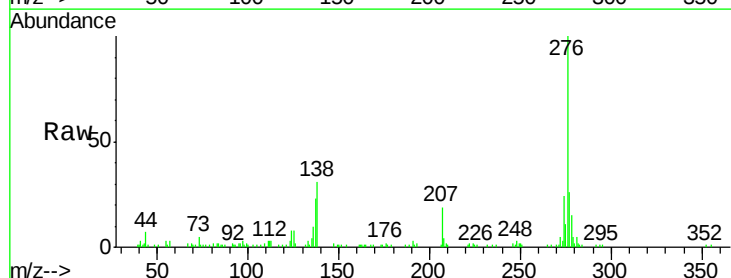
Instrument :
BNA_F
ClientSampleId :
WC-53-01

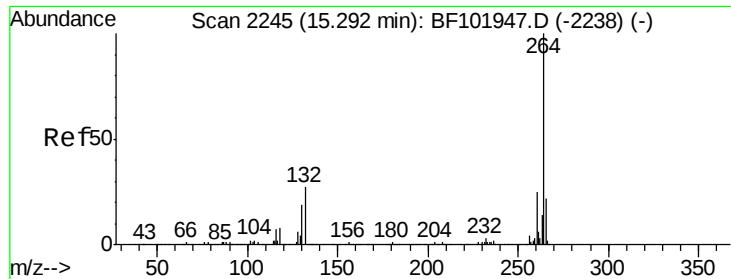
Tot Ion:228 Resp: 107595
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 22.2 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.833 ng
RT: 16.66 min Scan# 2477
Delta R.T. -0.01 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

Tgt Ion:276 Resp: 75504
Ion Ratio Lower Upper
276 100
138 29.8 25.0 37.6
277 24.9 20.1 30.1



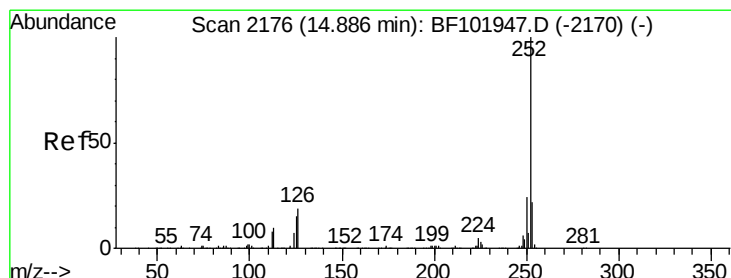
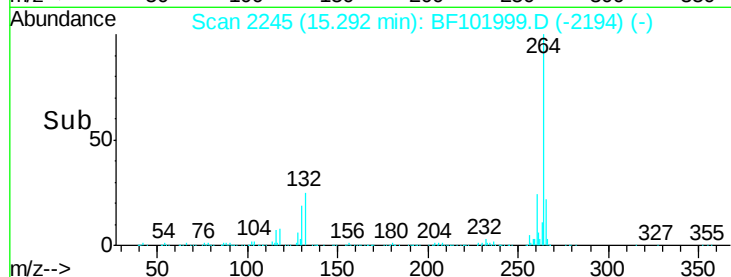
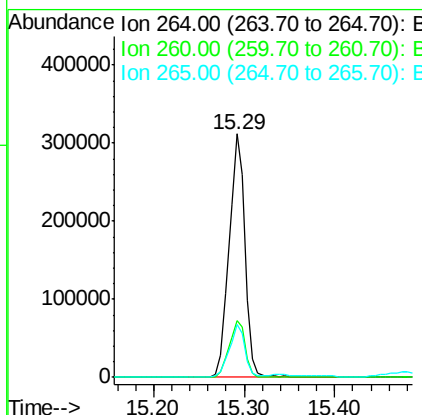
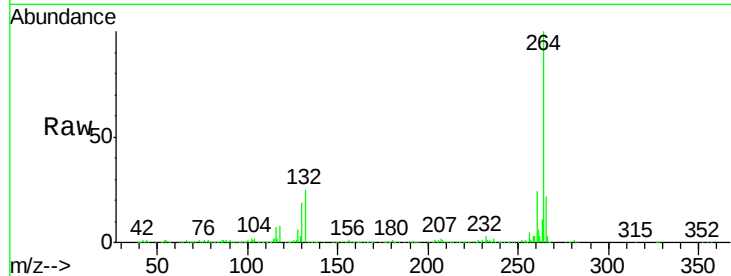


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.00 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

Instrument :
BNA_F
ClientSampleId :
WC-53-01

Tot Ion:264 Resp: 379859

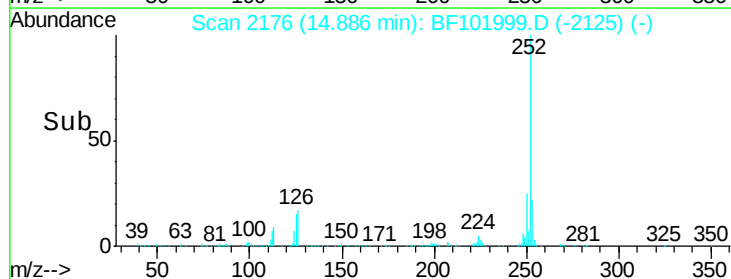
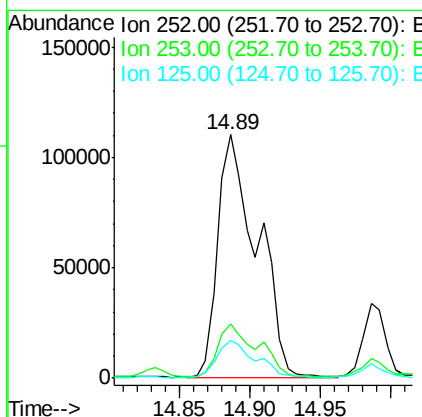
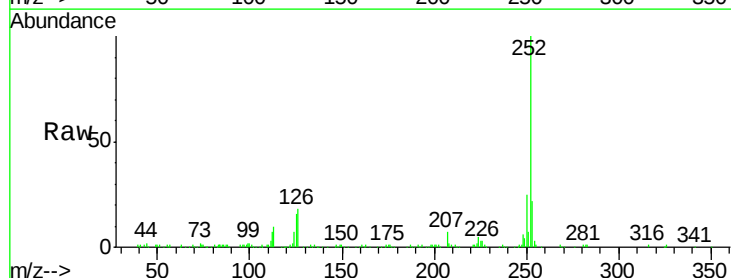
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.9	17.5	26.3

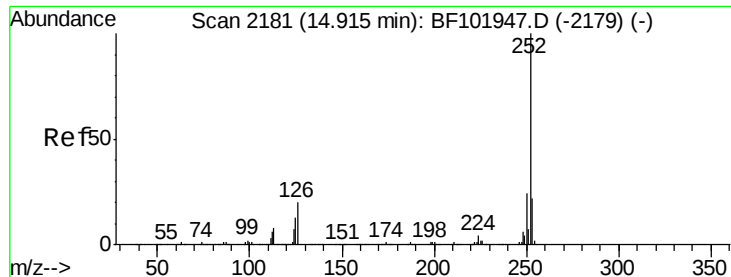


#87
Benzo(b)fluoranthene
Concen: 8.740 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

Tgt Ion:252 Resp: 216468

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	15.5	9.0	13.6

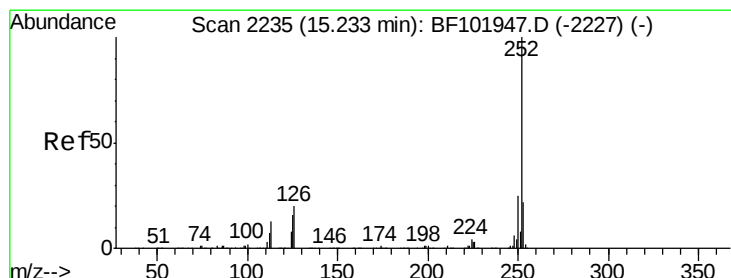
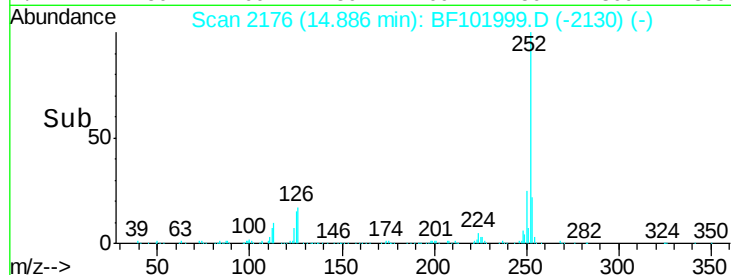
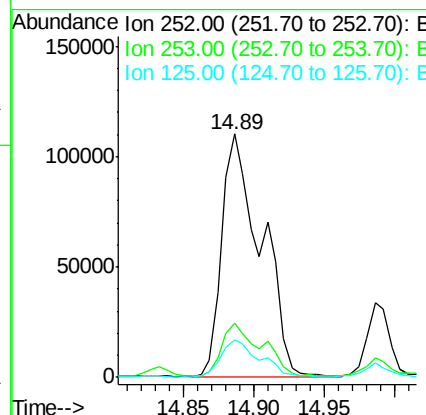
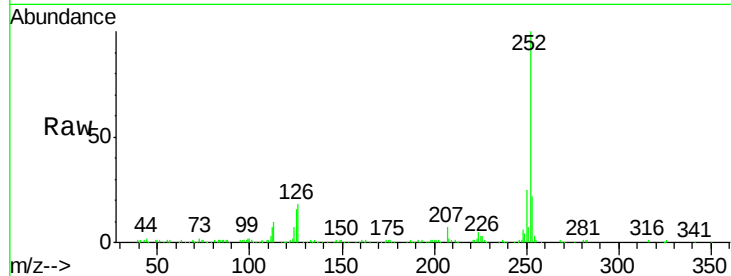




#88
Benzo(k)fluoranthene
Concen: 9.060 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

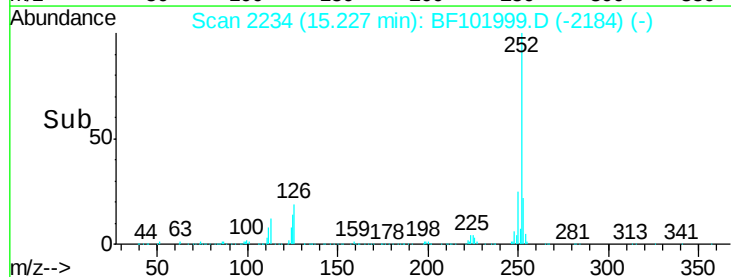
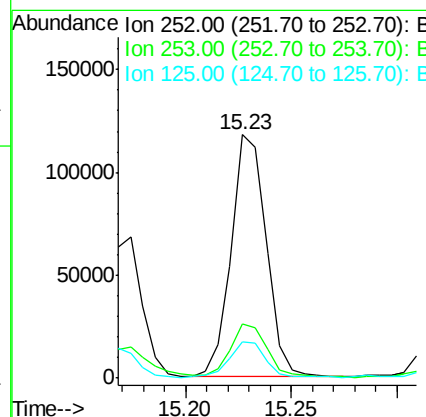
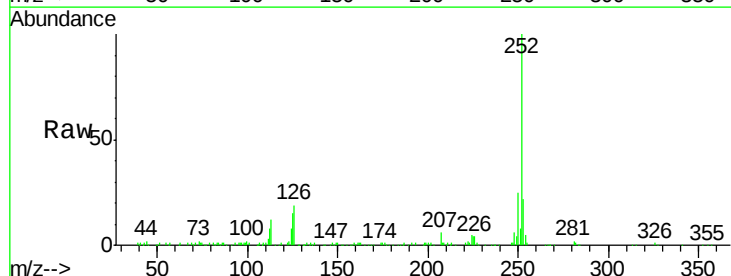
Instrument :
BNA_F
ClientSampled :
WC-53-01

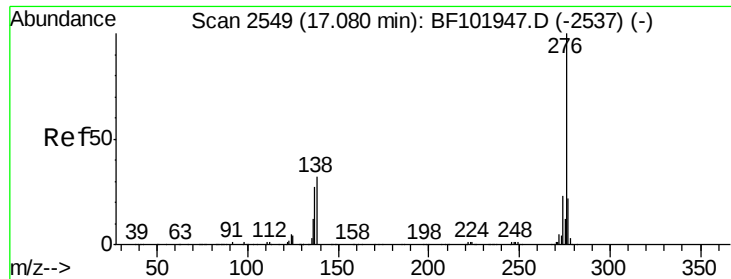
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	15.5	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 6.050 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF101999.D
Acq: 11 Jan 2018 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	14.7	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.874 ng

RT: 17.07 min Scan# 2548

Delta R.T. -0.01 min

Lab File: BF101999.D

Acq: 11 Jan 2018 00:23

Instrument :

BNA_F

ClientSampleId :

WC-53-01

Tot Ion: 276 Resp: 69401

Ion Ratio Lower Upper

276 100

277 22.4 17.9 26.9

138 29.2 21.8 32.8

