

Data Path : U:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102229.D
 Acq On : 19 Jan 2018 21:04
 Operator : SJ/JU
 Sample : J1202-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-1-5

Quant Time: Jan 19 22:05:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	142545	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	580229	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	252586	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	408815	20.00	ng	0.00
75) Chrysene-d12	13.87	240	262184	20.00	ng	0.00
86) Perylene-d12	15.29	264	290778	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	906508	89.80	ng	0.00
7) Phenol-d6	6.36	99	1084796	90.07	ng	0.00
23) Nitrobenzene-d5	7.29	82	668833	67.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	223258	101.28	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1059005	65.50	ng	0.00
78) Terphenyl-d14	12.82	244	730681	57.86	ng	0.00

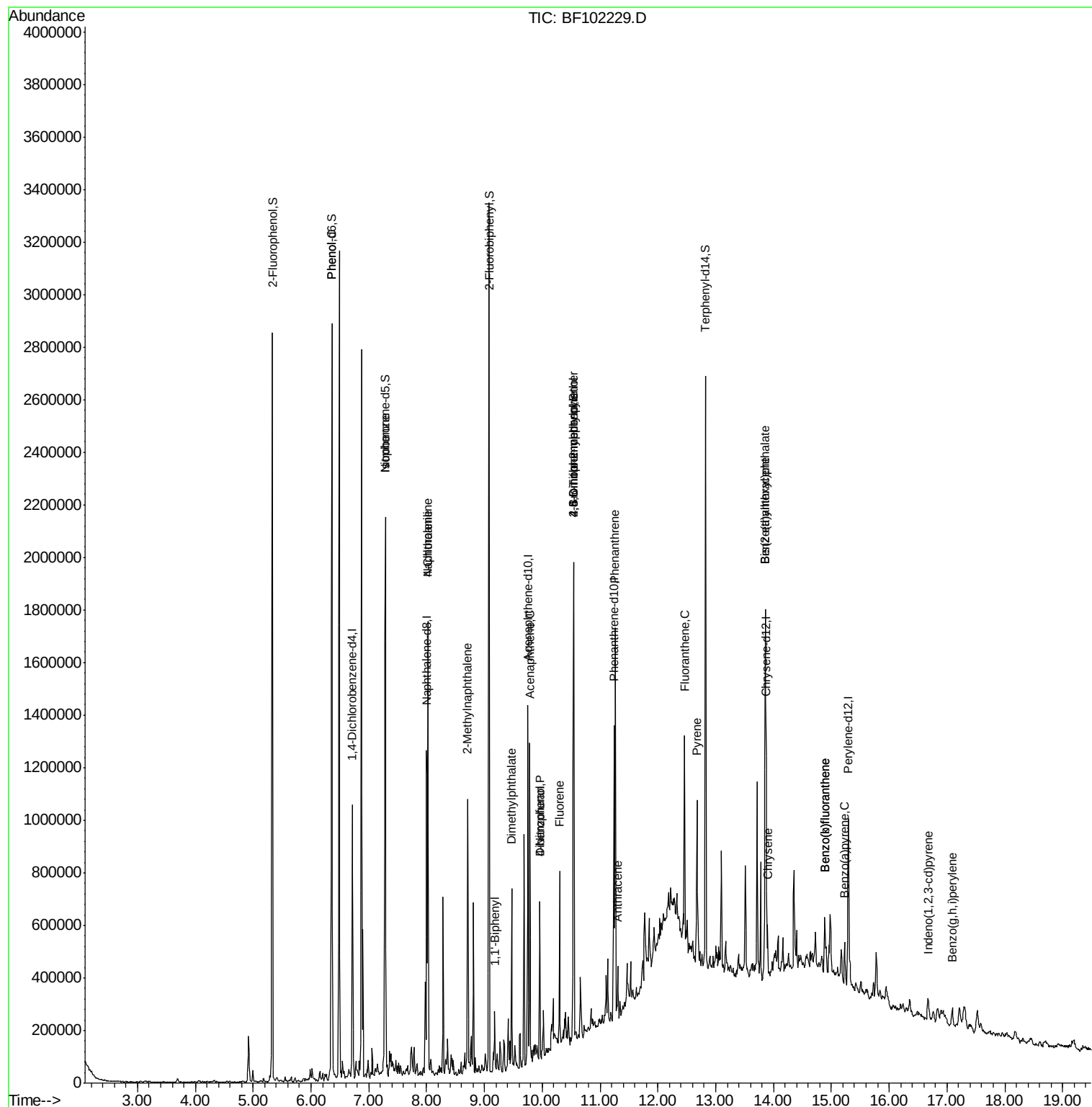
Target Compounds				Qvalue		
10) Phenol	6.37	94	40464	2.973	ng	84
25) Isophorone	7.29	82	666841	34.180	ng	# 64
31) Naphthalene	8.02	128	675244	23.290	ng	100
33) 4-Chloroaniline	8.02	127	89129	7.202	ng	# 34
37) 2-Methylnaphthalene	8.71	142	287396	15.057	ng	99
45) 1,1'-Biphenyl	9.17	154	59970	2.686	ng	97
49) Dimethylphthalate	9.47	163	235153	11.605	ng	99
51) Acenaphthene	9.79	154	236753	14.197	ng	99
54) Dibenzofuran	9.96	168	200097	8.743	ng	99
55) 4-Nitrophenol	9.96	139	77676	20.405	ng	# 11
57) Fluorene	10.30	166	161998	10.239	ng	96
64) 4,6-Dinitro-2-methylphenol	10.54	198	417	5.828	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	14648	3.393	ng	# 1
70) Phenanthrene	11.26	178	507353	21.246	ng	98
71) Anthracene	11.31	178	64878	2.679	ng	97
74) Fluoranthene	12.46	202	321101	13.667	ng	97
77) Pyrene	12.67	202	251029	10.832	ng	99
80) Benzo(a)anthracene	13.86	228	81341	4.863	ng	98
82) Chrysene	13.90	228	82331	4.720	ng	96
83) Bis(2-ethylhexyl)phthalate	13.86	149	309357	25.355	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.67	276	48089	3.788	ng	99
87) Benzo(b)fluoranthene	14.89	252	144510	7.622	ng	# 93
88) Benzo(k)fluoranthene	14.89	252	144510	7.901	ng	# 96
89) Benzo(a)pyrene	15.23	252	73272	4.295	ng	# 95
91) Benzo(g,h,i)perylene	17.09	276	47795	3.485	ng	97

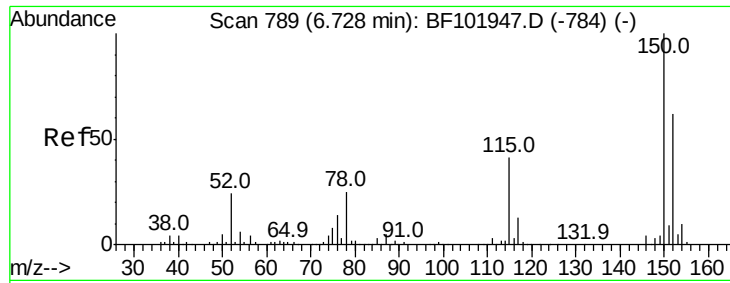
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\HPCHEM1\BNA F\DATA\BF011918\
Data File : BF102229.D
Acq On : 19 Jan 2018 21:04
Operator : SJ/JU
Sample : J1202-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-1-5

Quant Time: Jan 19 22:05:09 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 19 13:31:35 2018
Response via : Initial Calibration



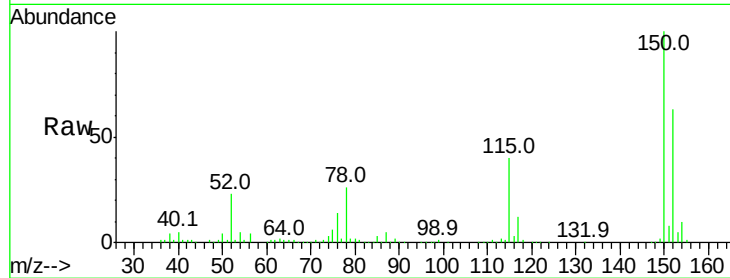


#1

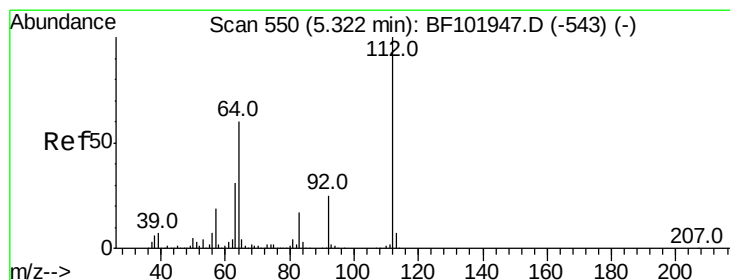
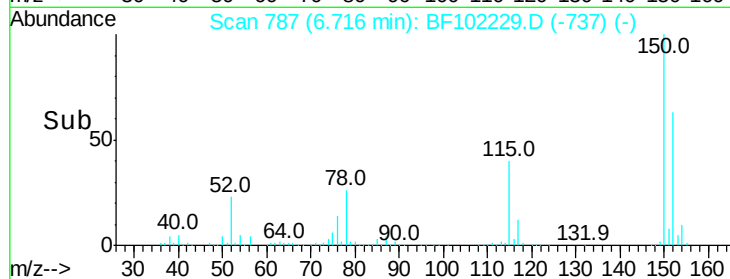
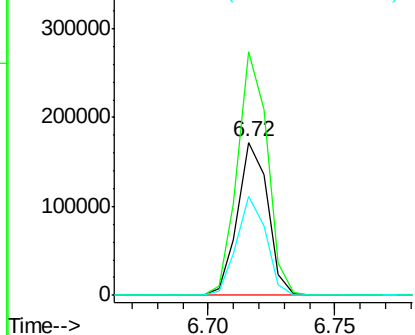
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102229.D
Acq: 19 Jan 2018 21:04

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-1-5

Tot Ion:152 Resp: 142545
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 64.4 50.1 75.1



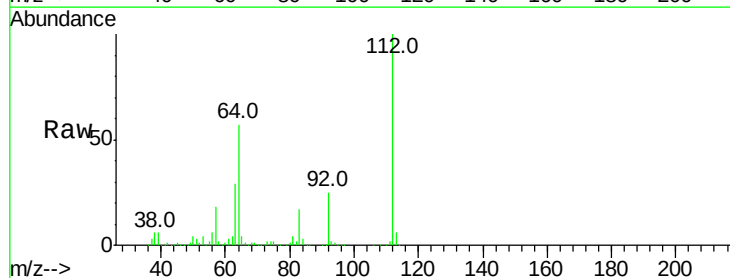
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



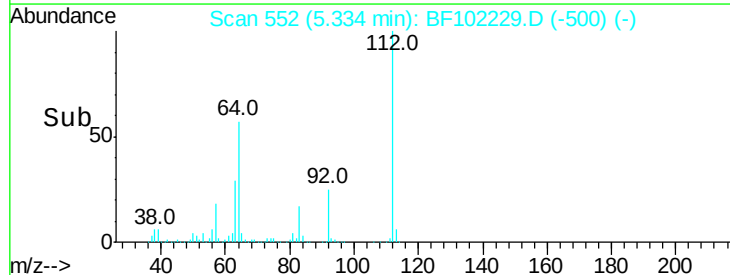
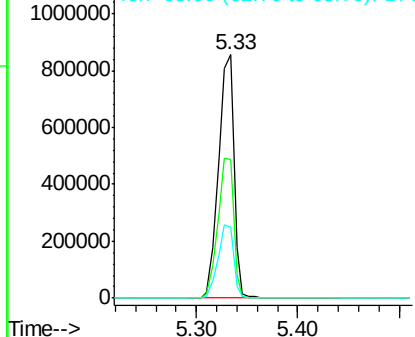
#5

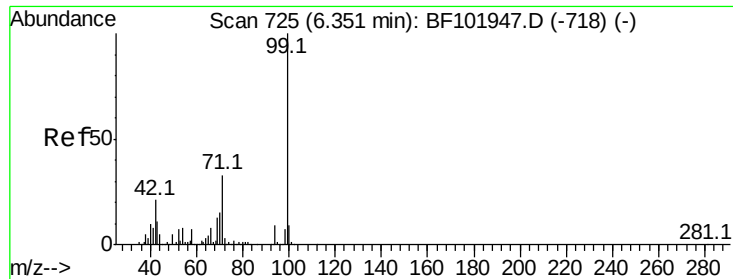
2-Fluorophenol
Concen: 89.801 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102229.D
Acq: 19 Jan 2018 21:04

Tgt Ion:112 Resp: 906508
Ion Ratio Lower Upper
112 100
64 56.9 47.9 71.9
63 29.2 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: 90.070 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102229.D

Acq: 19 Jan 2018 21:04

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-1-5

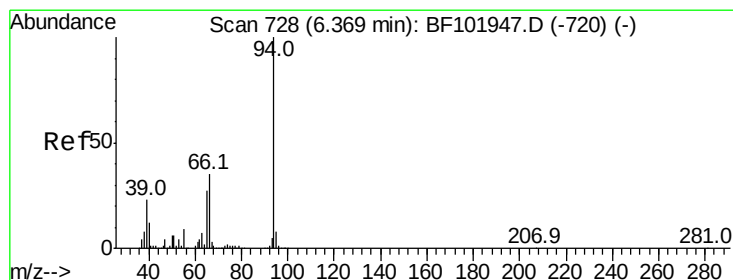
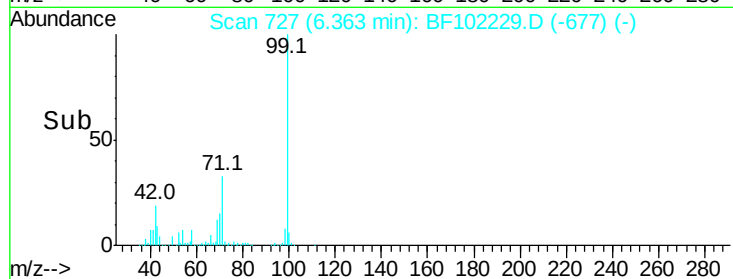
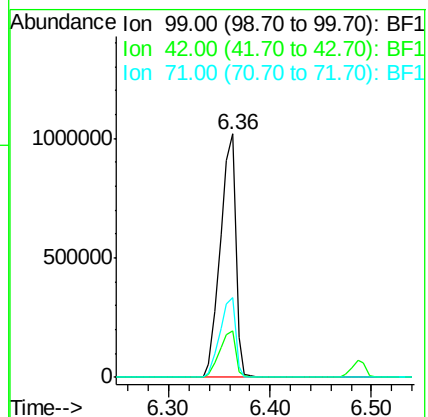
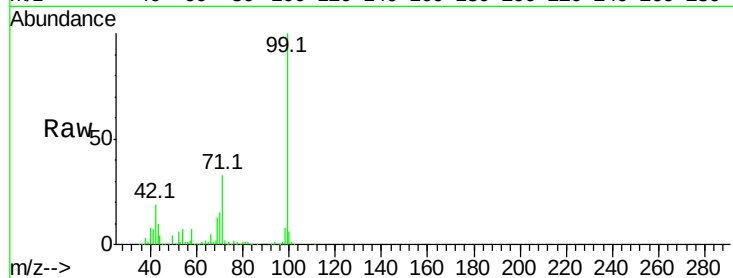
Tot Ion: 99 Resp: 1084796

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

71 32.8 25.4 38.0



#10

Phenol

Concen: 2.973 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102229.D

Acq: 19 Jan 2018 21:04

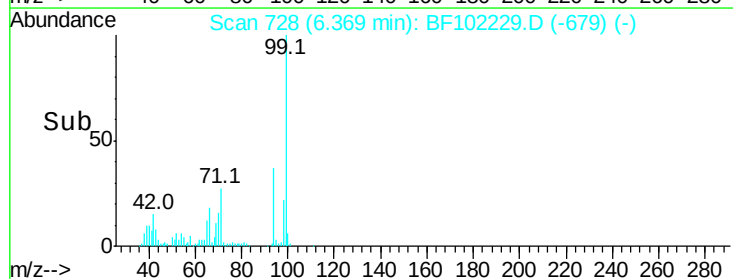
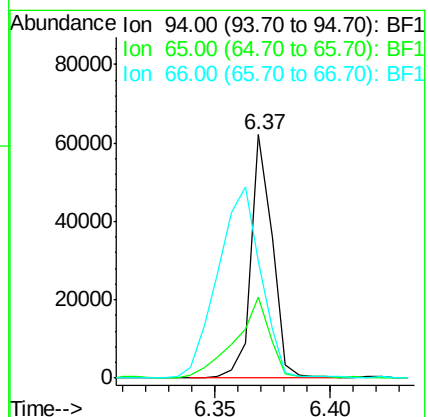
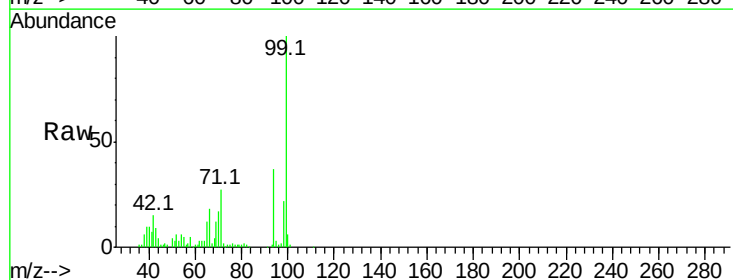
Tgt Ion: 94 Resp: 40464

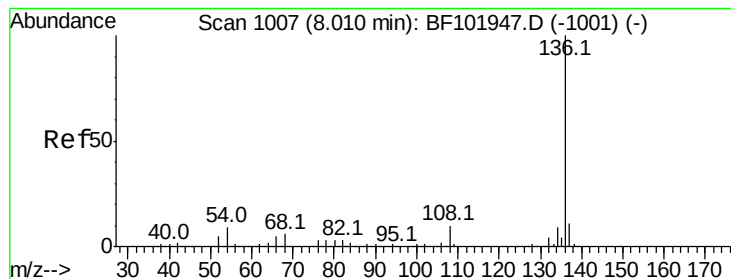
Ion Ratio Lower Upper

94 100

65 33.1 7.9 47.9

66 48.3 16.2 56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF102229.D

Acq: 19 Jan 2018 21:04

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-1-5

Tot Ion:136 Resp: 580229

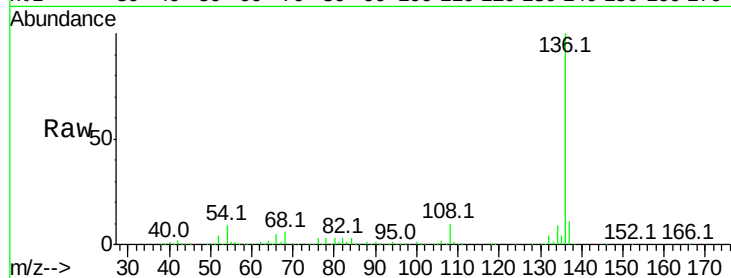
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.7 6.6 9.8

68 5.7 5.0 7.4

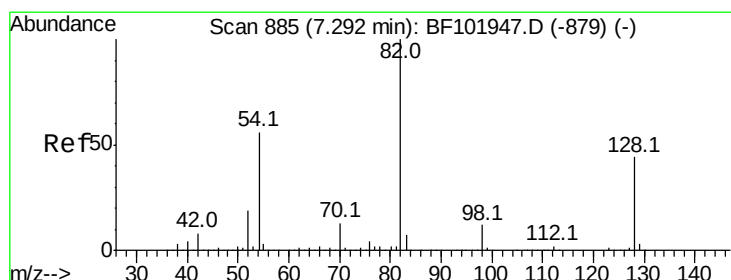
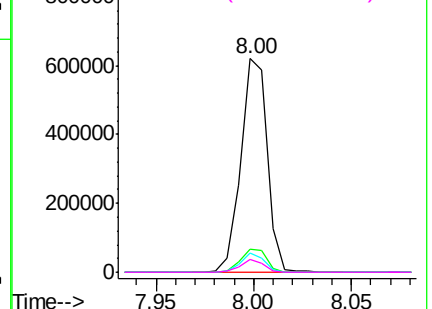
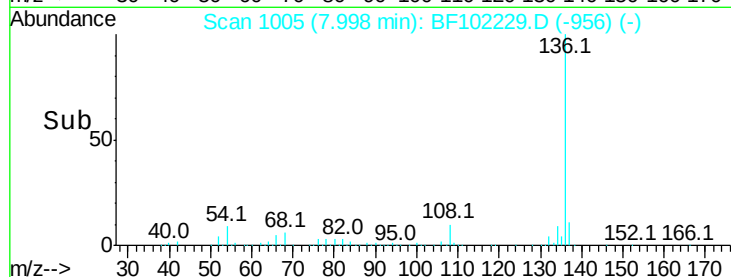


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.738 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102229.D

Acq: 19 Jan 2018 21:04

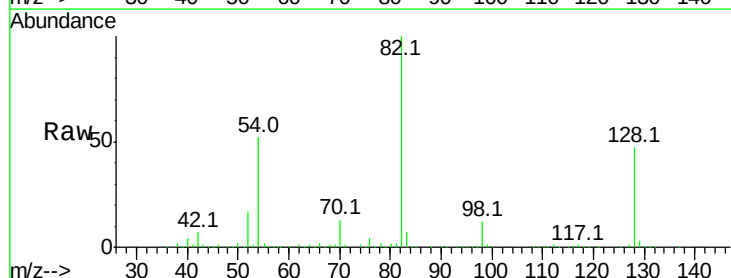
Tgt Ion: 82 Resp: 668833

Ion Ratio Lower Upper

82 100

128 46.9 36.1 54.1

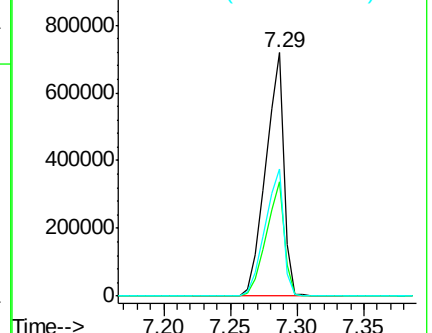
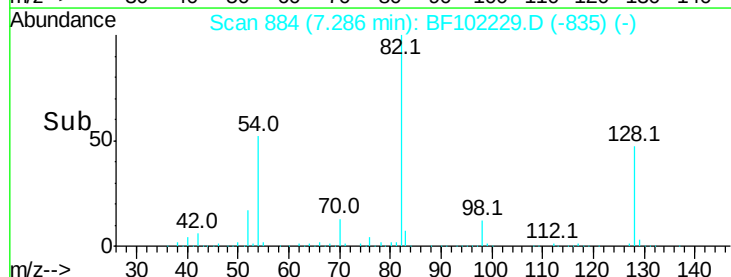
54 52.1 41.4 62.2

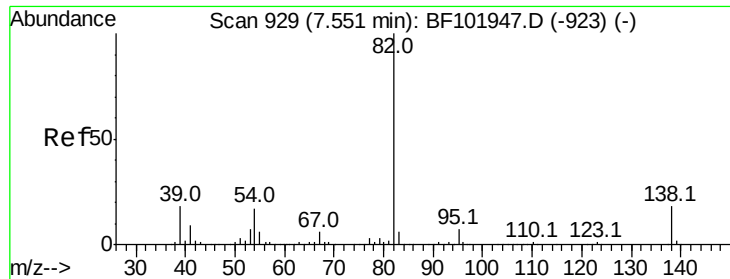


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.180 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102229.D

Acq: 19 Jan 2018 21:04

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-1-5

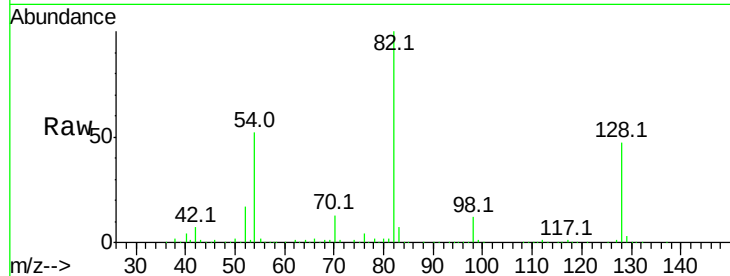
Tot Ion: 82 Resp: 666841

Ion Ratio Lower Upper

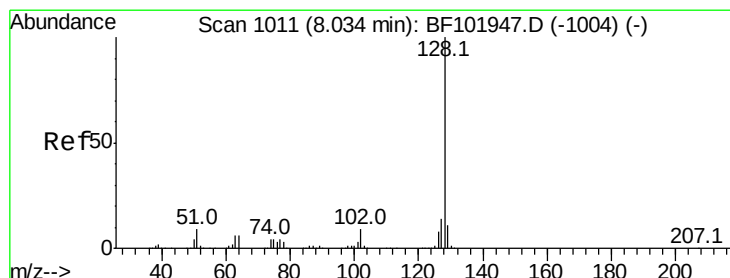
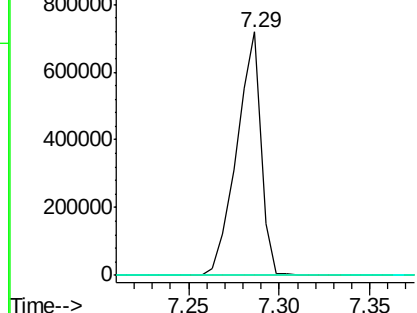
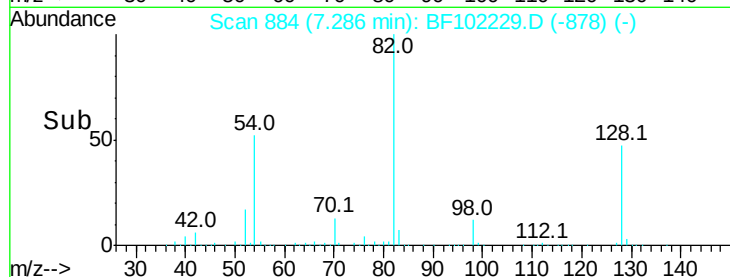
82 100

95 0.2 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



#31

Naphthalene

Concen: 23.290 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF102229.D

Acq: 19 Jan 2018 21:04

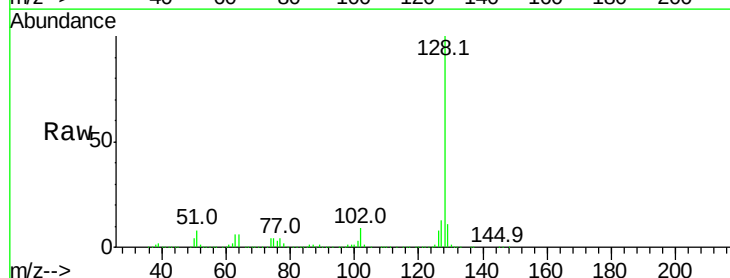
Tgt Ion: 128 Resp: 675244

Ion Ratio Lower Upper

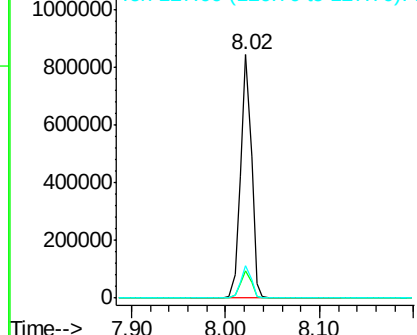
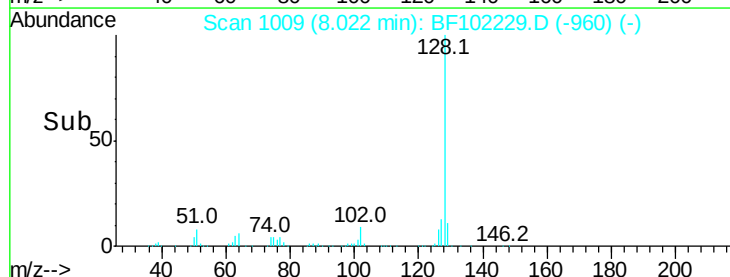
128 100

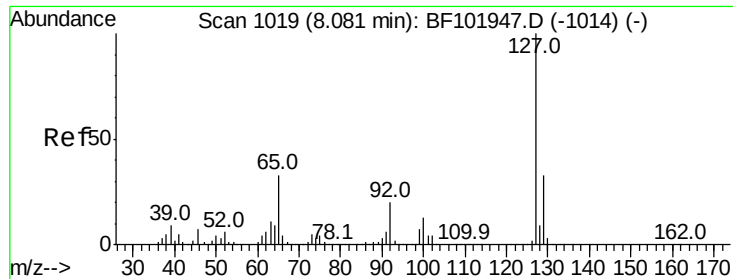
129 11.1 8.8 13.2

127 13.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): BF1
Ion 129.00 (128.70 to 129.70): BF1
Ion 127.00 (126.70 to 127.70): BF1

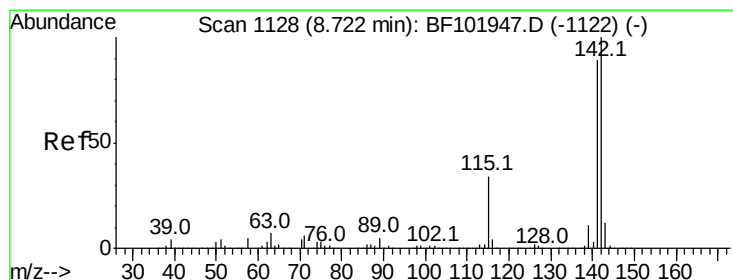
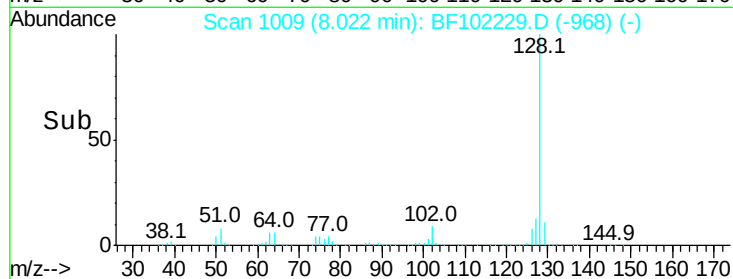
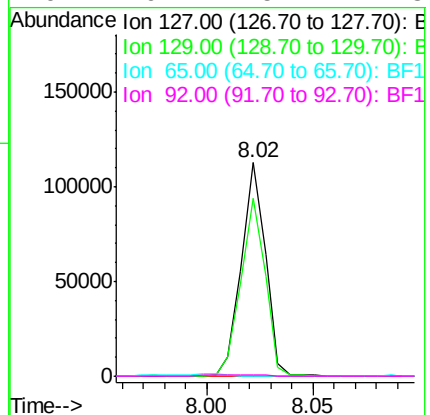
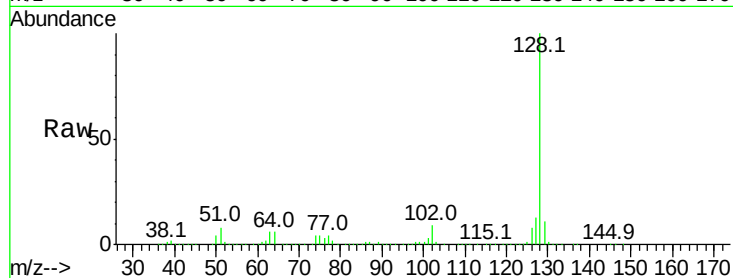




#33
4-Chloroaniline
Concen: 7.202 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.06 min
Lab File: BF102229.D
Acq: 19 Jan 2018 21:04

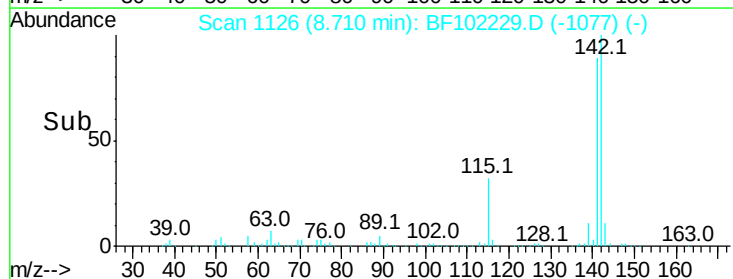
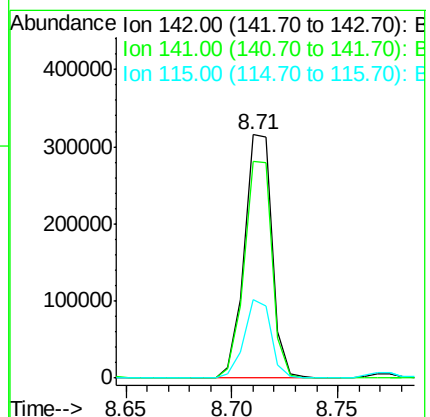
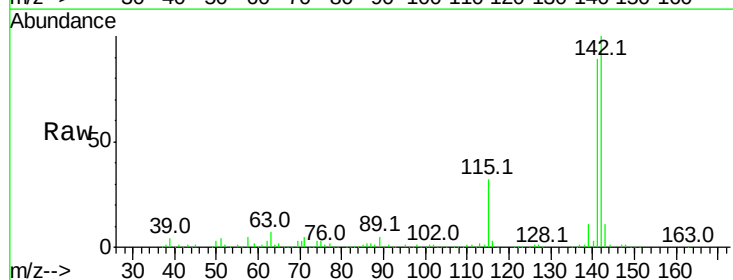
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-1-5

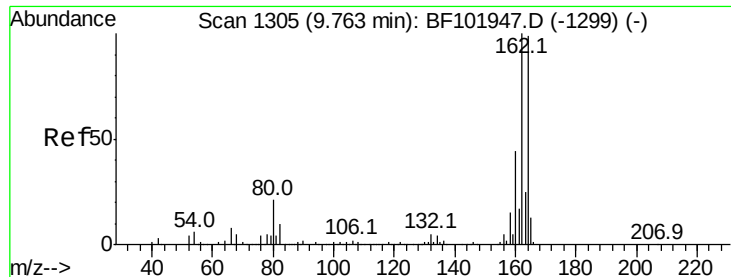
Tot Ion:127 Resp: 89129
Ion Ratio Lower Upper
127 100
129 83.2 25.9 38.9#
65 0.0 25.0 37.4#
92 0.7 15.2 22.8#



#37
2-Methylnaphthalene
Concen: 15.057 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF102229.D
Acq: 19 Jan 2018 21:04

Tgt Ion:142 Resp: 287396
Ion Ratio Lower Upper
142 100
141 89.1 70.8 106.2
115 32.2 26.1 39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102229.D

Acq: 19 Jan 2018 21:04

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-1-5

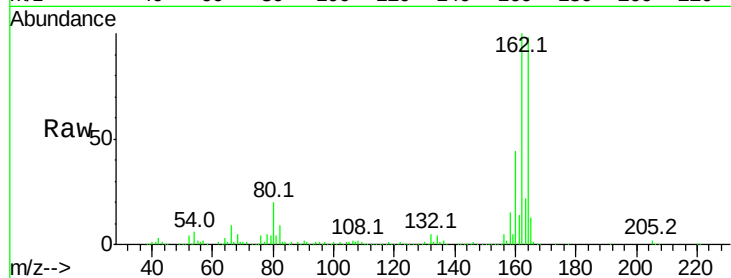
Tot Ion:164 Resp: 252586

Ion Ratio Lower Upper

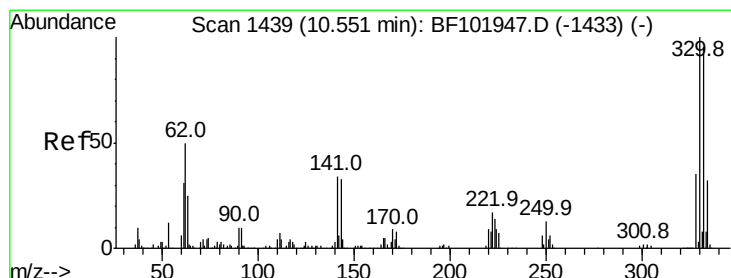
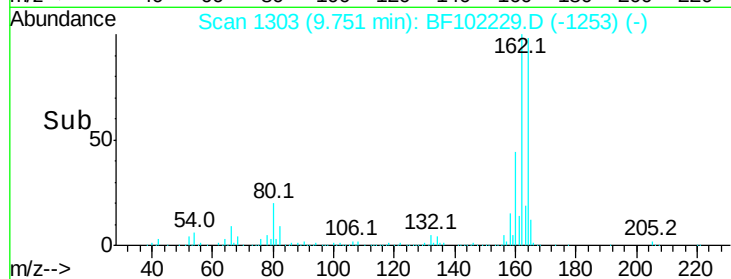
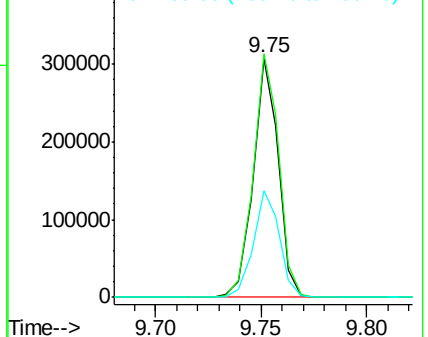
164 100

162 102.0 86.1 129.1

160 44.9 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: 101.284 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF102229.D

Acq: 19 Jan 2018 21:04

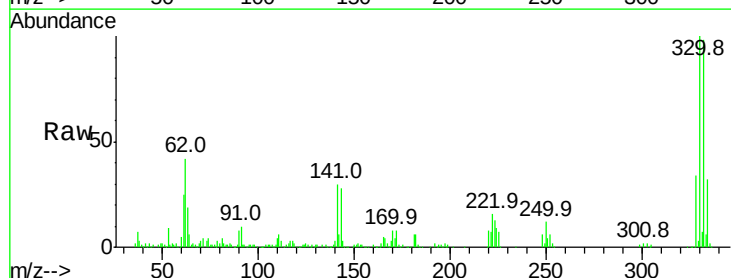
Tgt Ion:330 Resp: 223258

Ion Ratio Lower Upper

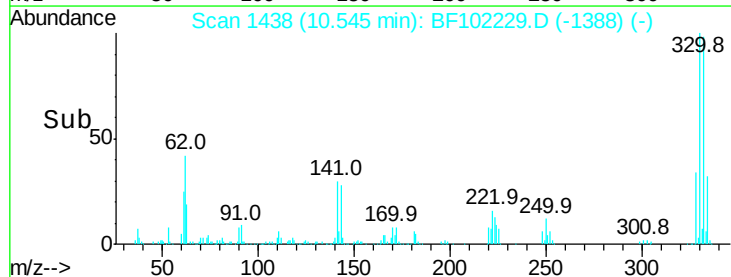
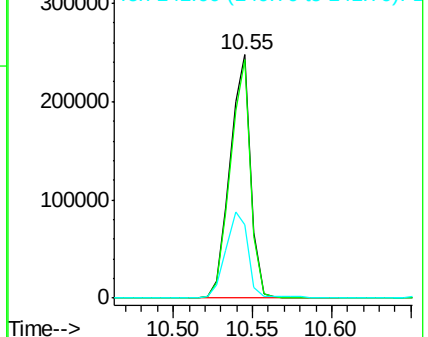
330 100

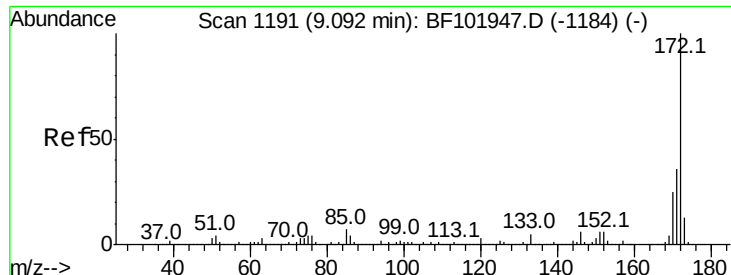
332 96.2 77.0 115.6

141 37.4 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



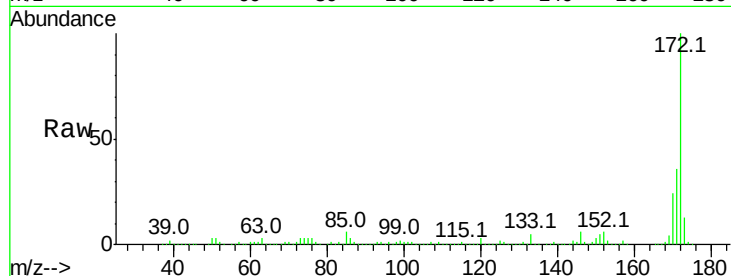


#44
 2-Fluorobiphenyl
 Concen: 65.501 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102229.D
 Acq: 19 Jan 2018 21:04

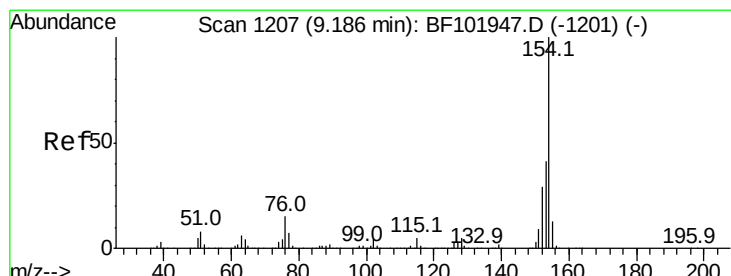
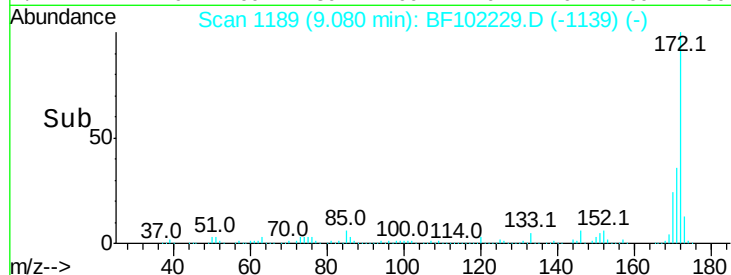
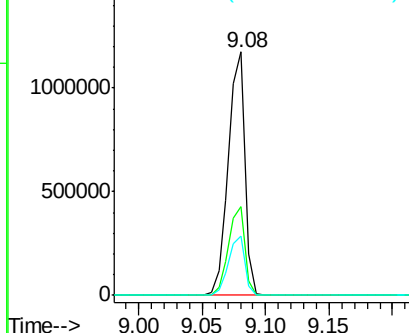
Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-1-5

Tot Ion:172 Resp: 1059005

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.2	19.6	29.4



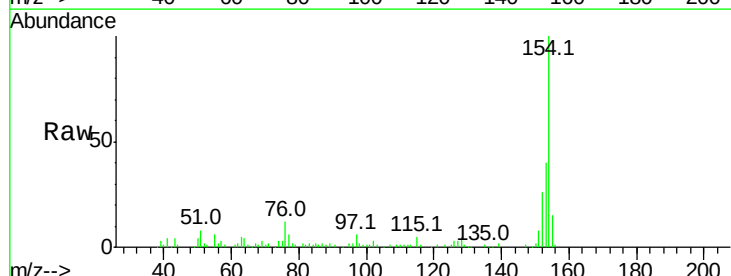
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



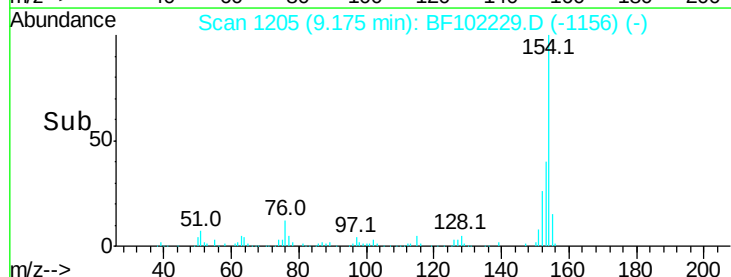
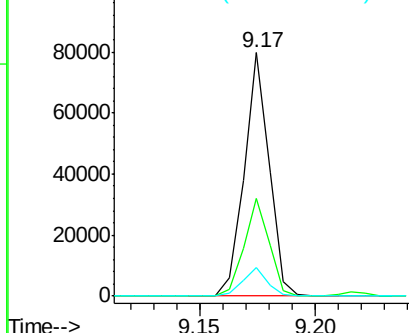
#45
 1,1'-Biphenyl
 Concen: 2.686 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF102229.D
 Acq: 19 Jan 2018 21:04

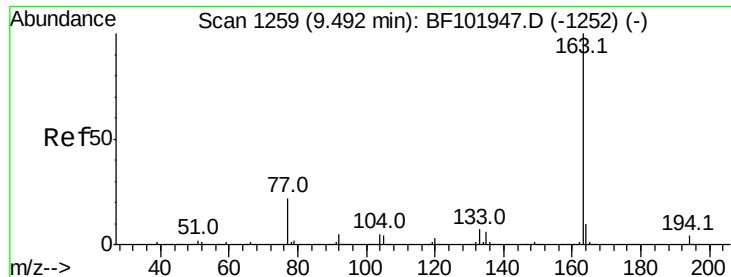
Tgt Ion:154 Resp: 59970

Ion	Ratio	Lower	Upper
154	100		
153	40.1	21.3	61.3
76	11.6	0.0	34.0



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

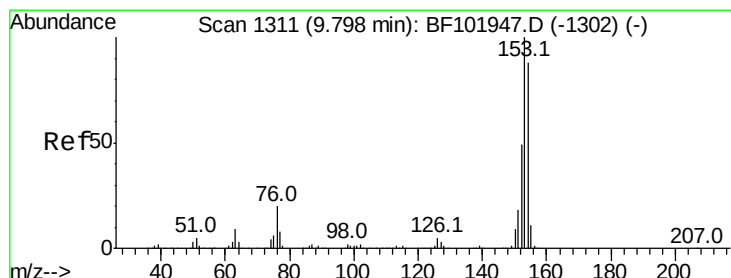
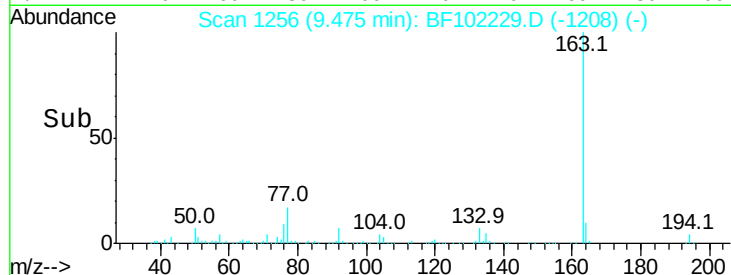
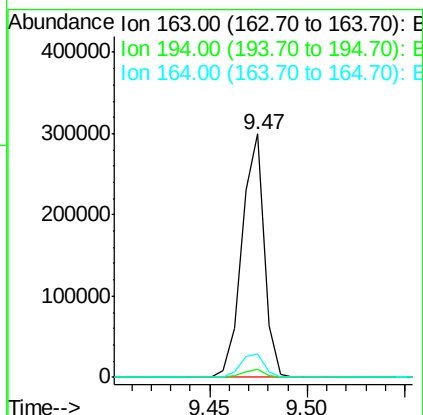
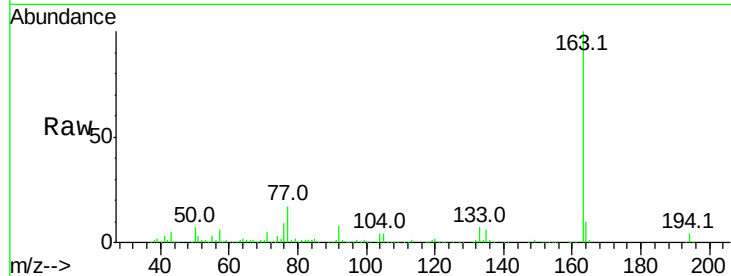




#49
Dimethylphthalate
Concen: 11.605 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF102229.D
Acq: 19 Jan 2018 21:04

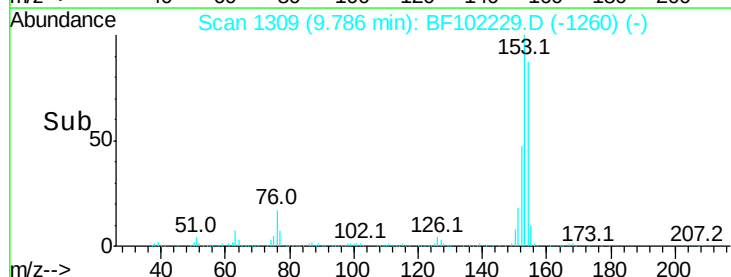
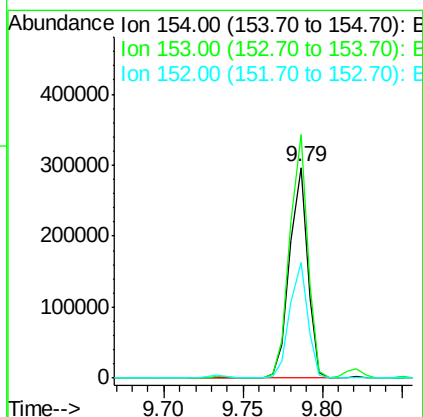
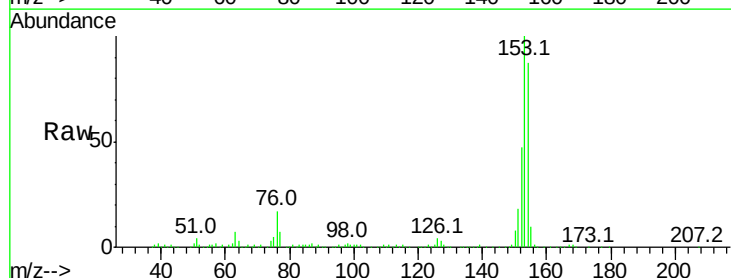
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-1-5

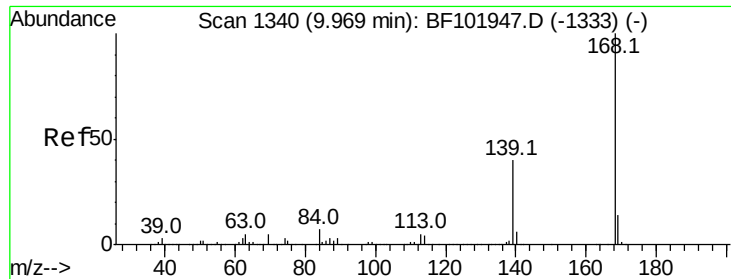
Tot Ion:	163	Resp:	235153
Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.8	8.2	12.2



#51
Acenaphthene
Concen: 14.197 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF102229.D
Acq: 19 Jan 2018 21:04

Tgt Ion:	154	Resp:	236753
Ion	Ratio	Lower	Upper
154	100		
153	115.5	91.2	136.8
152	54.9	43.8	65.8





#54

Dibenzofuran

Concen: 8.743 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF102229.D

Acq: 19 Jan 2018 21:04

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-1-5

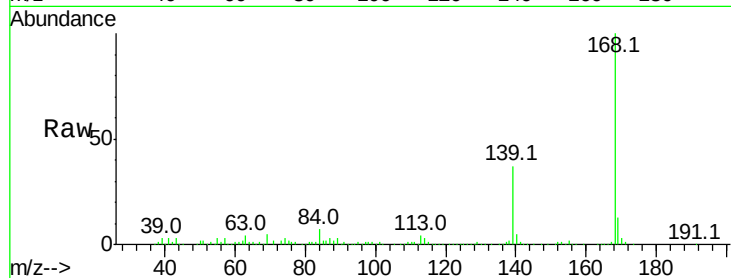
Tot Ion:168 Resp: 200097

Ion Ratio Lower Upper

168 100

139 37.4 30.1 45.1

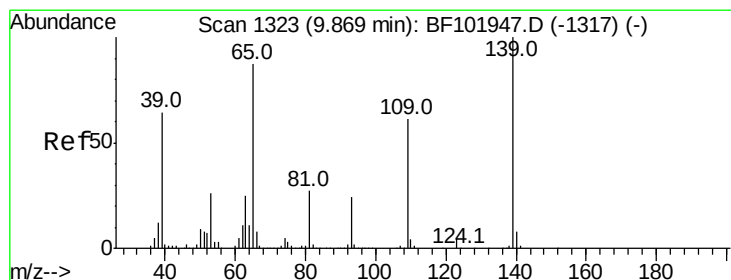
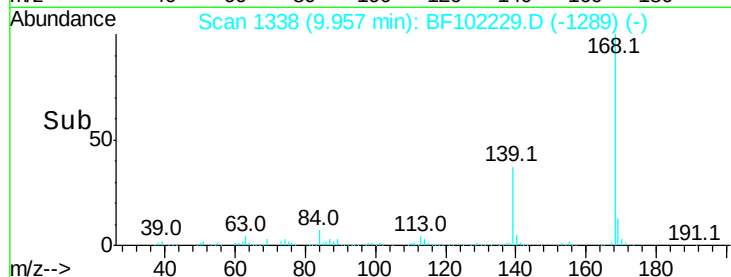
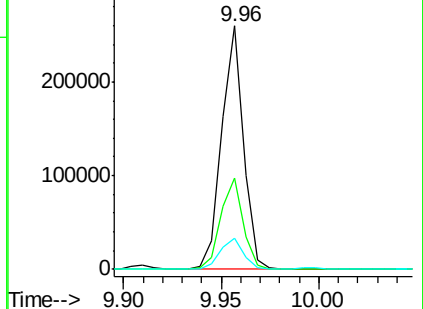
169 13.0 10.9 16.3



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: 20.405 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.08 min

Lab File: BF102229.D

Acq: 19 Jan 2018 21:04

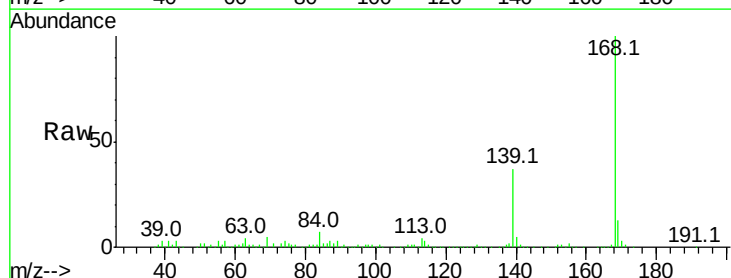
Tgt Ion:139 Resp: 77676

Ion Ratio Lower Upper

139 100

109 2.1 48.4 88.4#

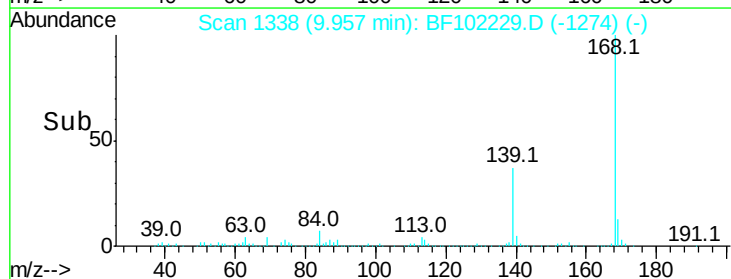
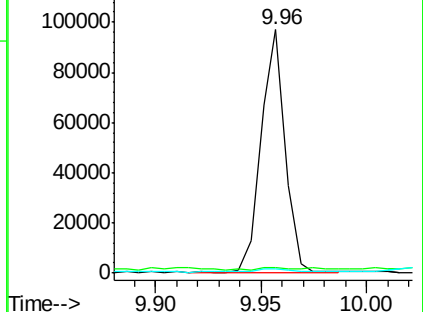
65 1.9 72.6 112.6#

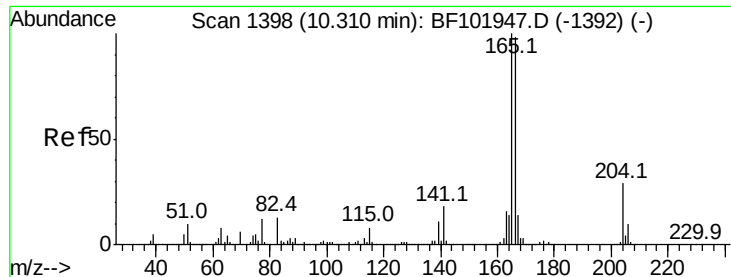


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

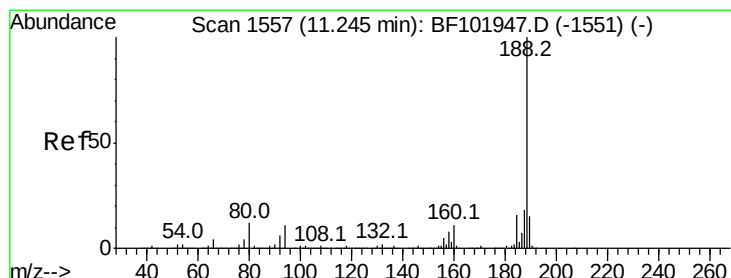
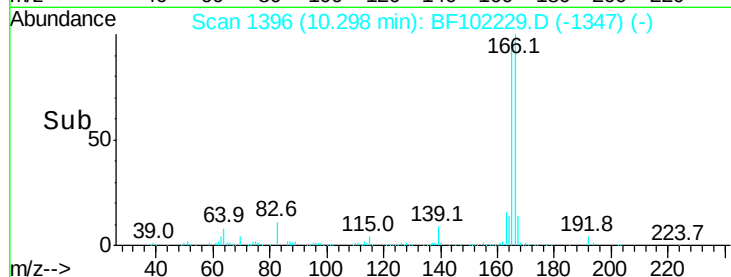
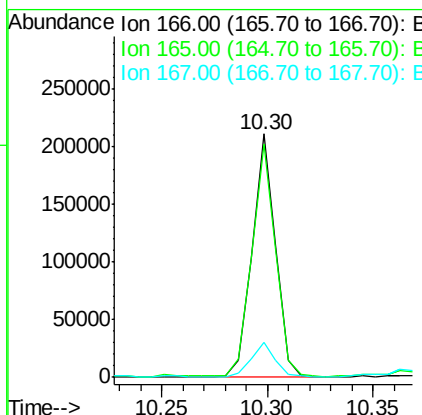
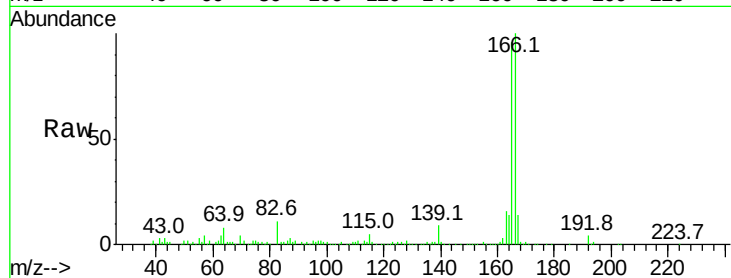




#57
 Fluorene
 Concen: 10.239 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF102229.D
 Acq: 19 Jan 2018 21:04

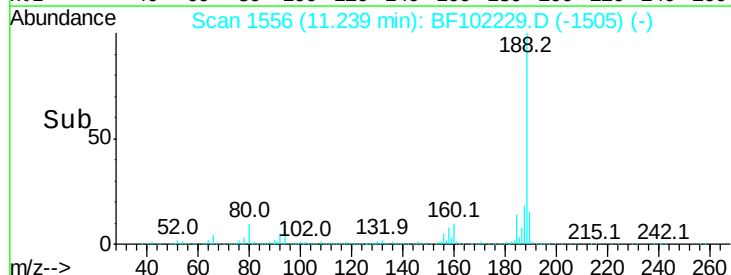
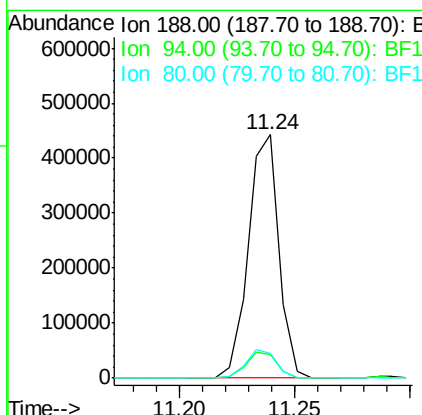
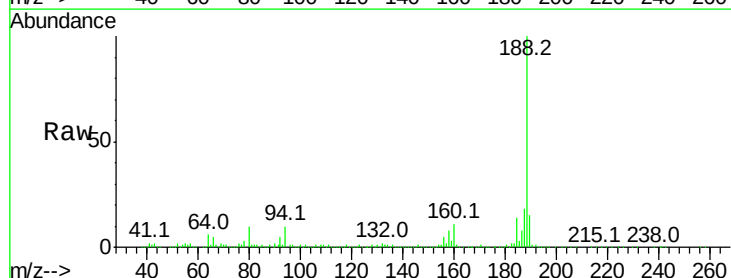
Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-1-5

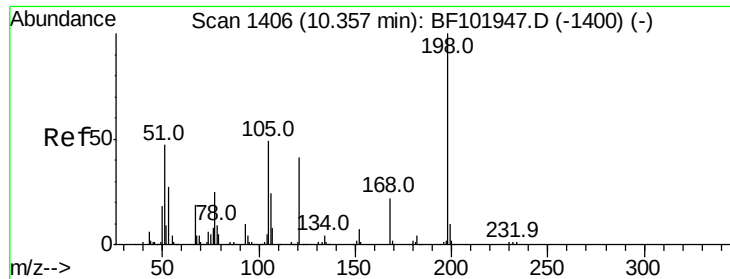
Tot Ion:166 Resp: 161998
 Ion Ratio Lower Upper
 166 100
 165 95.7 79.8 119.8
 167 14.4 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: BF102229.D
 Acq: 19 Jan 2018 21:04

Tgt Ion:188 Resp: 408815
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 10.3 9.2 13.8

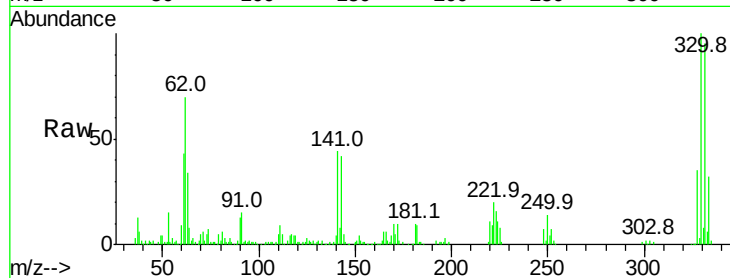




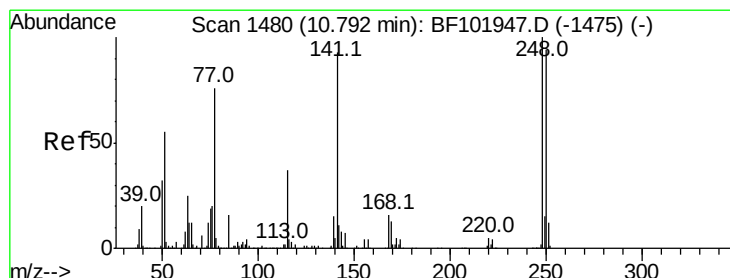
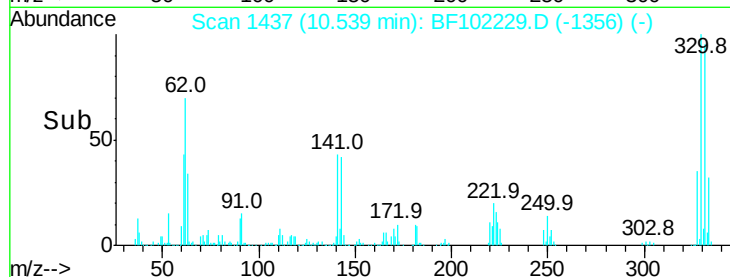
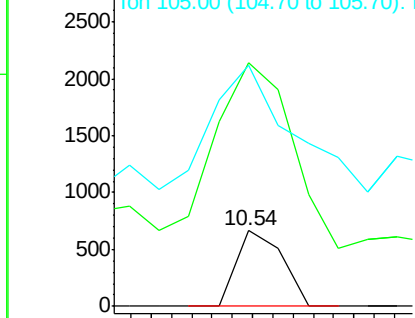
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.828 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.18 min
 Lab File: BF102229.D
 Acq: 19 Jan 2018 21:04

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-1-5

Tot Ion:198 Resp: 417
 Ion Ratio Lower Upper
 198 100
 51 321.8 37.7 77.7#
 105 318.3 36.3 76.3#

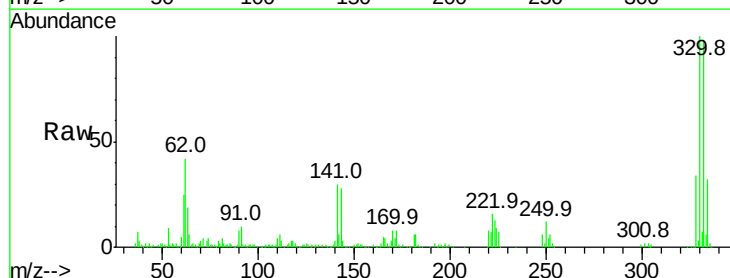


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

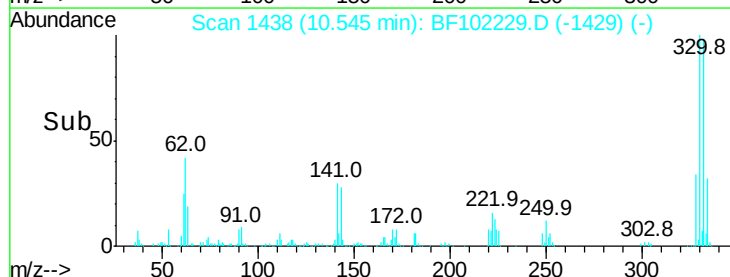
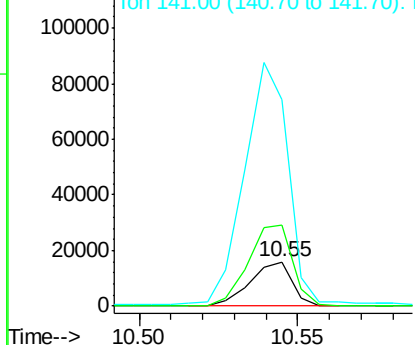


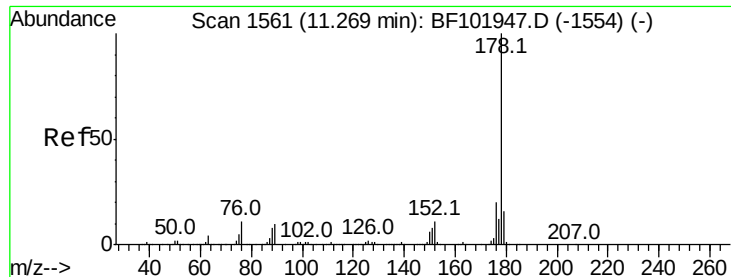
#66
 4-Bromophenyl-phenylether
 Concen: 3.393 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF102229.D
 Acq: 19 Jan 2018 21:04

Tgt Ion:248 Resp: 14648
 Ion Ratio Lower Upper
 248 100
 250 180.6 76.9 115.3#
 141 462.6 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: 21.246 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF102229.D

Acq: 19 Jan 2018 21:04

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-1-5

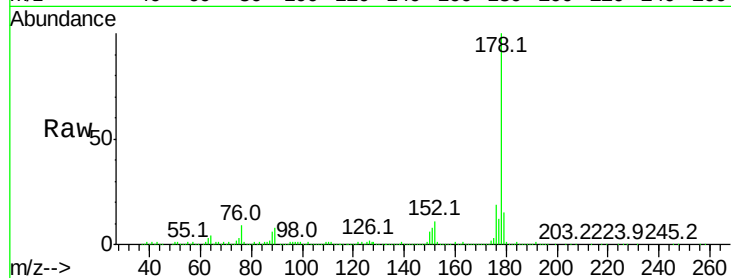
Tot Ion:178 Resp: 507353

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

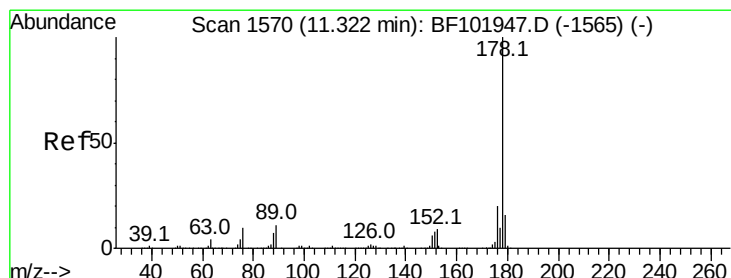
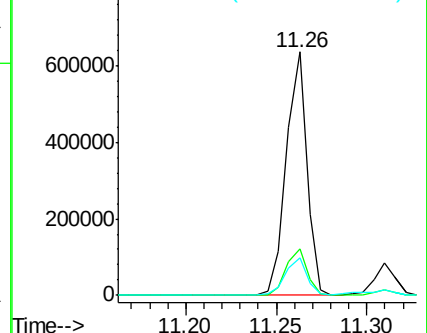
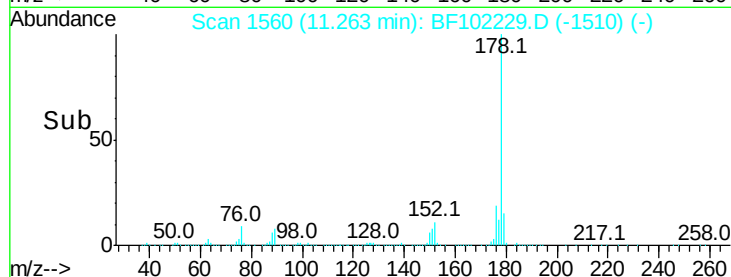
179 15.4 13.0 19.6



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: 2.679 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102229.D

Acq: 19 Jan 2018 21:04

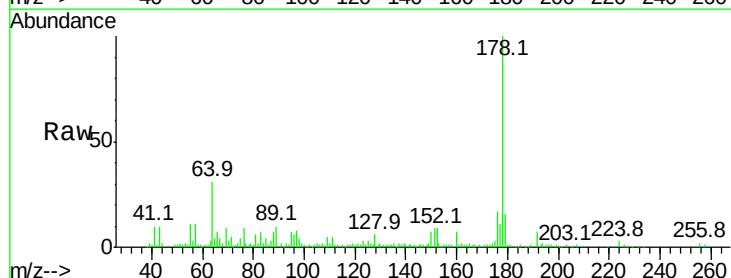
Tgt Ion:178 Resp: 64878

Ion Ratio Lower Upper

178 100

176 17.3 15.4 23.2

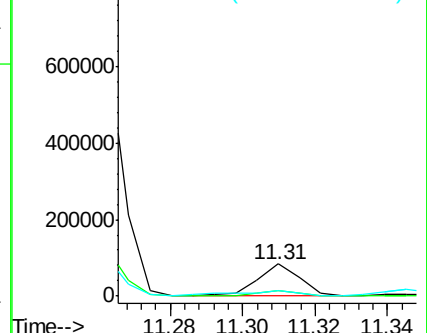
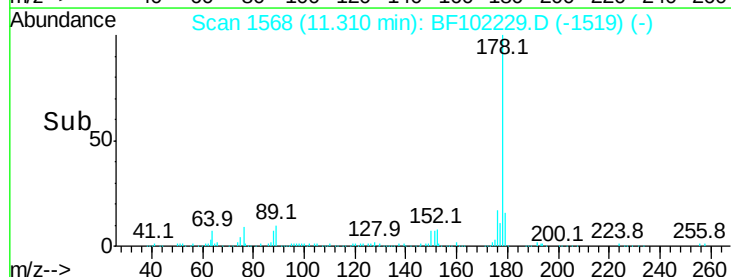
179 16.1 12.6 19.0

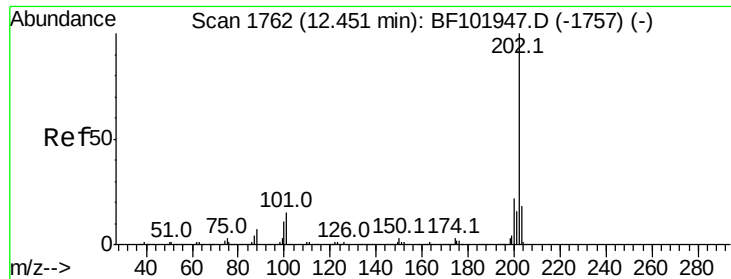


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.667 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF102229.D

Acq: 19 Jan 2018 21:04

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-1-5

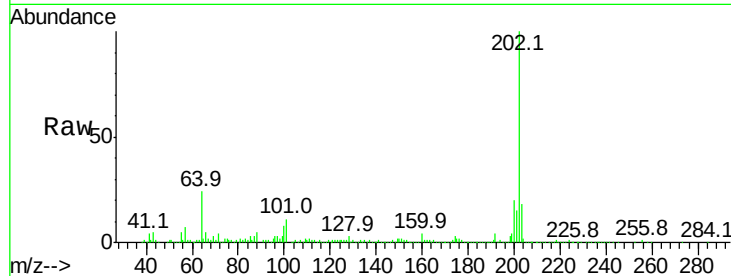
Tot Ion:202 Resp: 321101

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

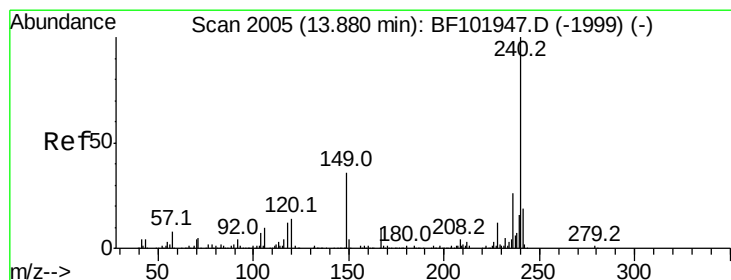
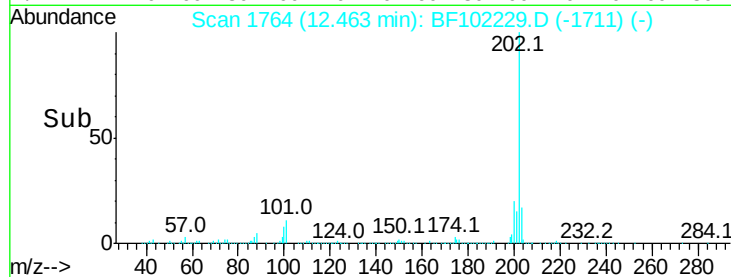
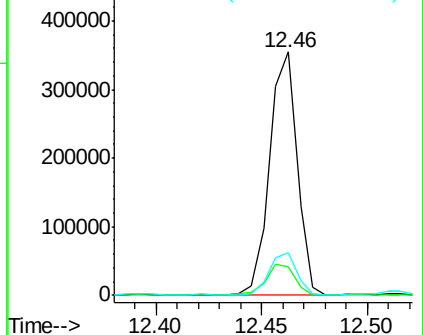
203 17.6 0.0 38.1



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. 0.00 min

Lab File: BF102229.D

Acq: 19 Jan 2018 21:04

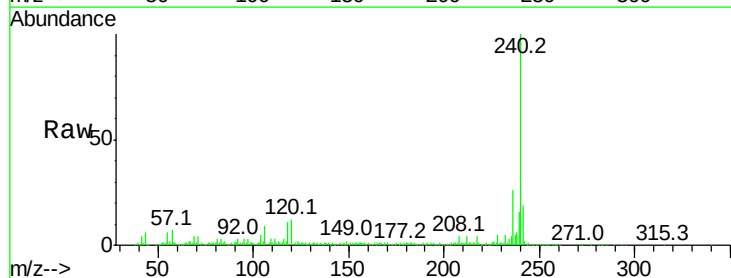
Tgt Ion:240 Resp: 262184

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

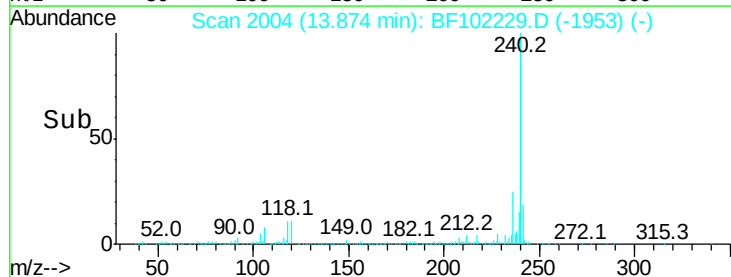
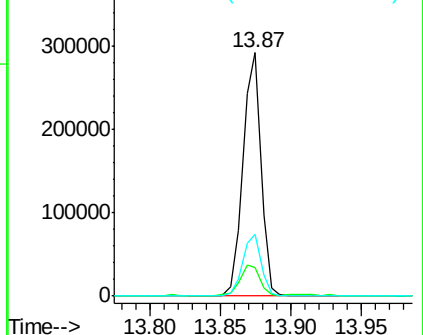
236 25.7 20.7 31.1

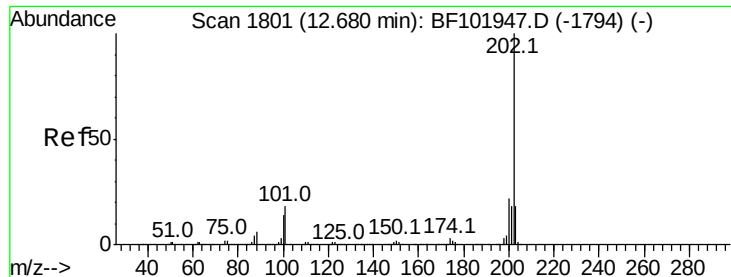


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.832 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102229.D

Acq: 19 Jan 2018 21:04

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-1-5

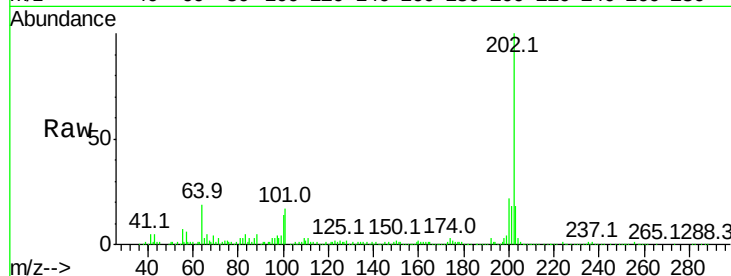
Tot Ion:202 Resp: 251029

Ion Ratio Lower Upper

202 100

200 22.2 17.4 26.2

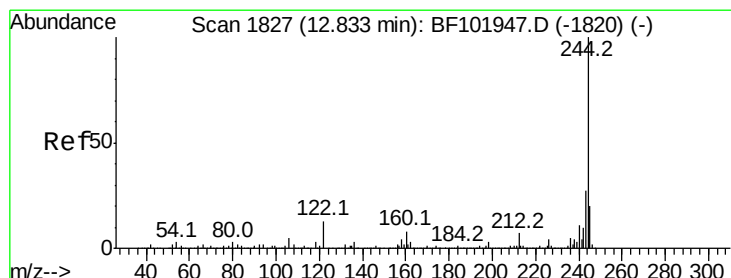
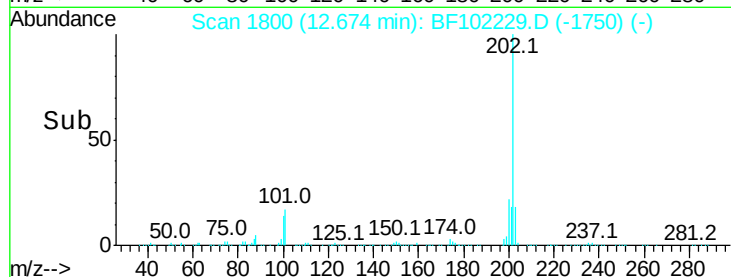
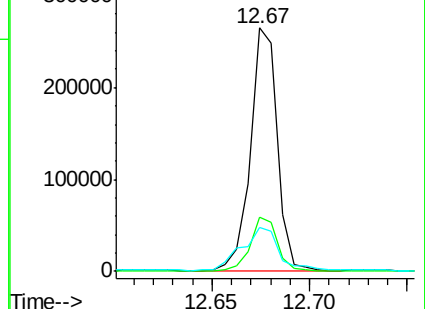
203 18.2 14.3 21.5



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: 57.863 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102229.D

Acq: 19 Jan 2018 21:04

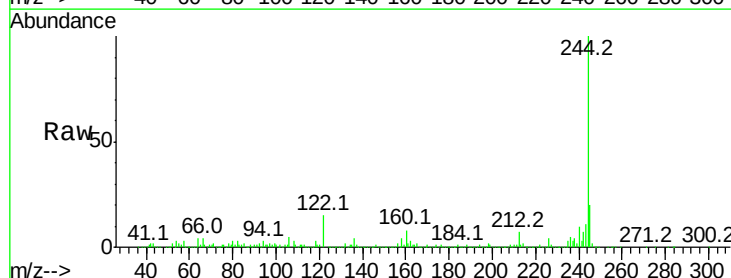
Tgt Ion:244 Resp: 730681

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

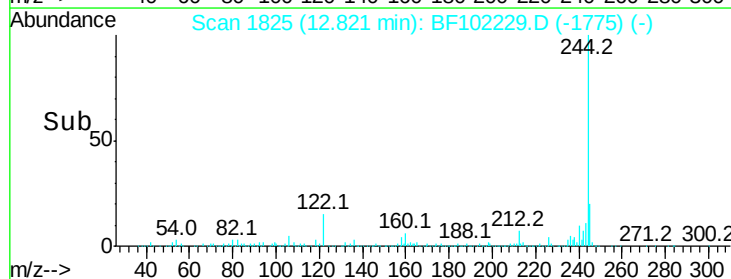
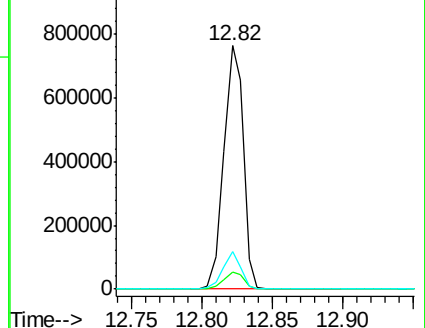
122 15.5 11.0 16.4

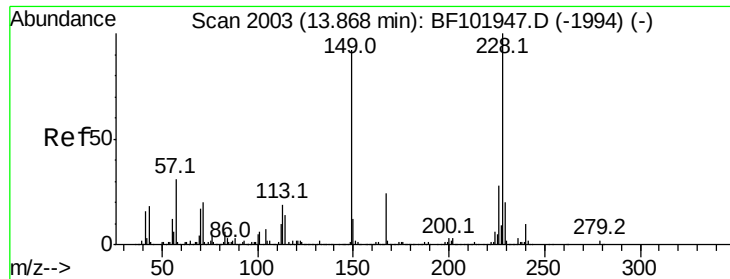


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

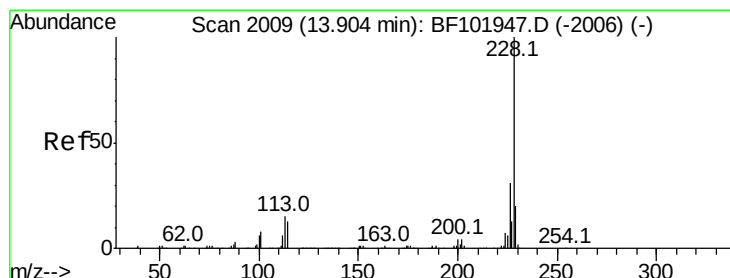
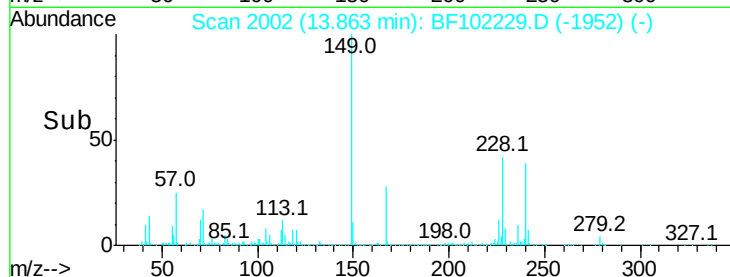
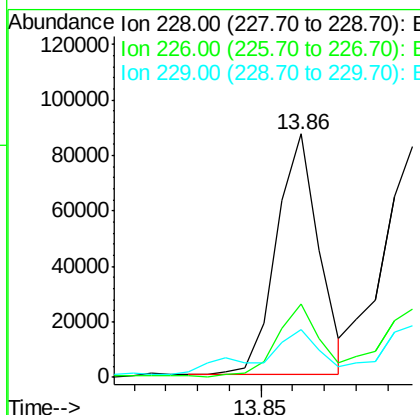
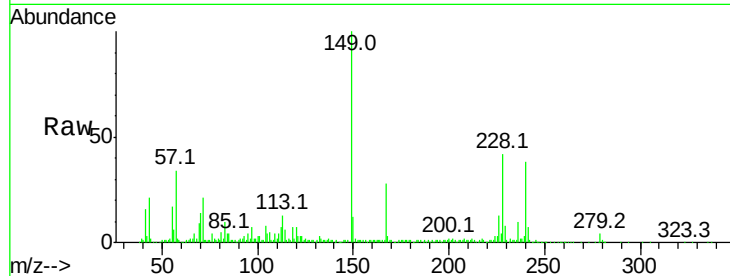




#80
Benzo(a)anthracene
Concen: 4.863 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF102229.D
Acq: 19 Jan 2018 21:04

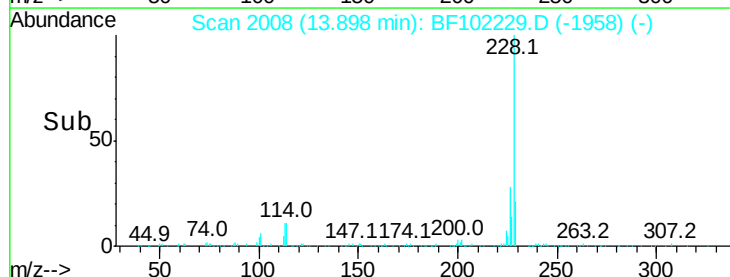
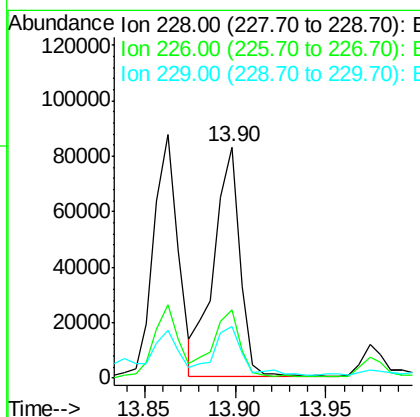
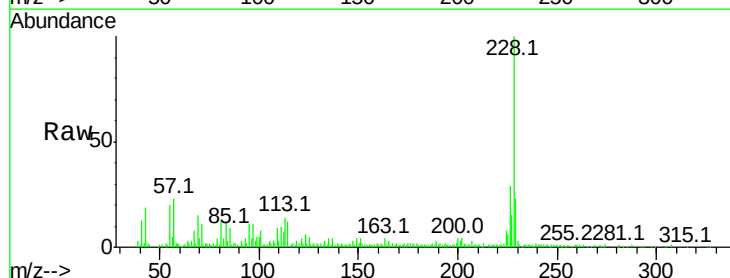
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-1-5

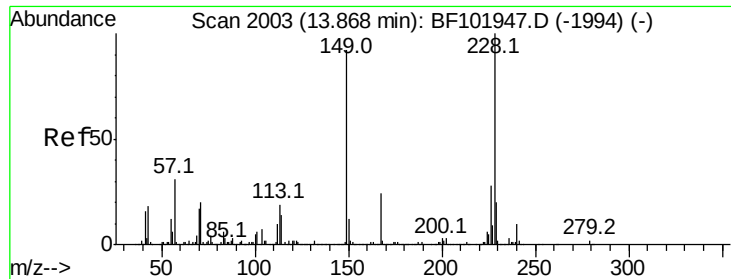
Tot Ion:228 Resp: 81341
Ion Ratio Lower Upper
228 100
226 30.1 22.6 33.8
229 19.7 15.8 23.6



#82
Chrysene
Concen: 4.720 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102229.D
Acq: 19 Jan 2018 21:04

Tgt Ion:228 Resp: 82331
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 22.6 16.2 24.4

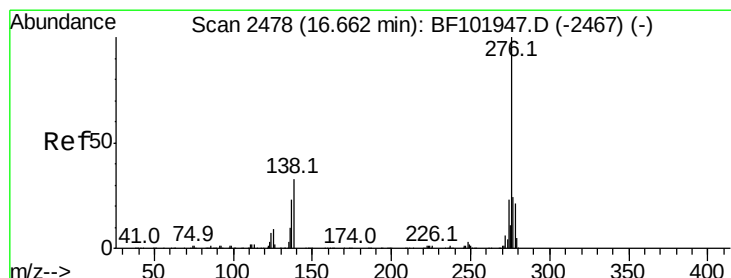
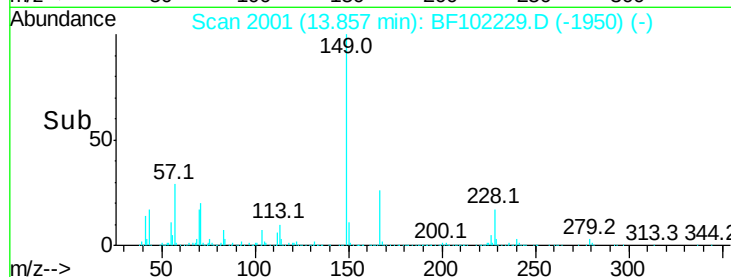
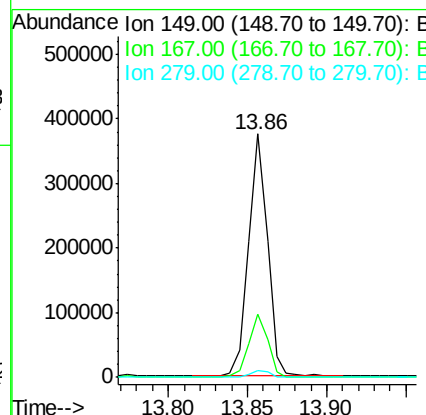
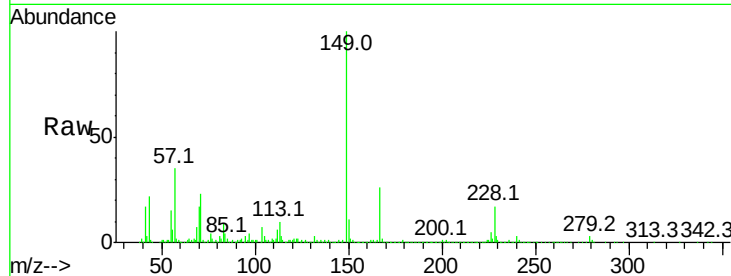




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 25.355 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. 0.00 min
 Lab File: BF102229.D
 Acq: 19 Jan 2018 21:04

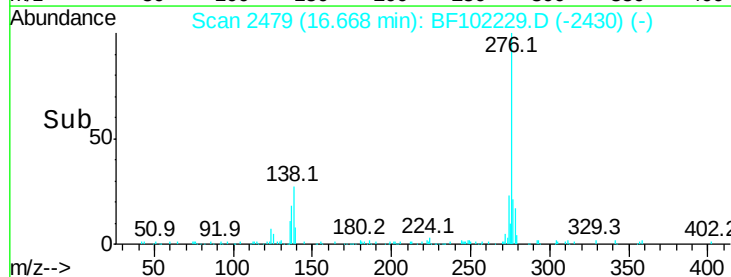
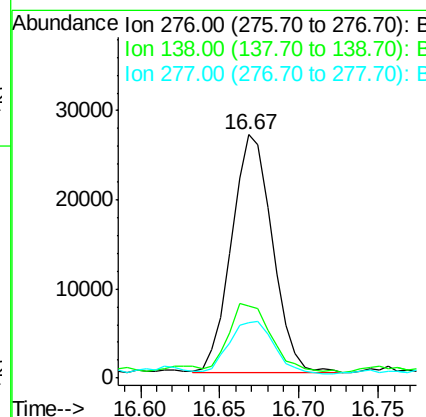
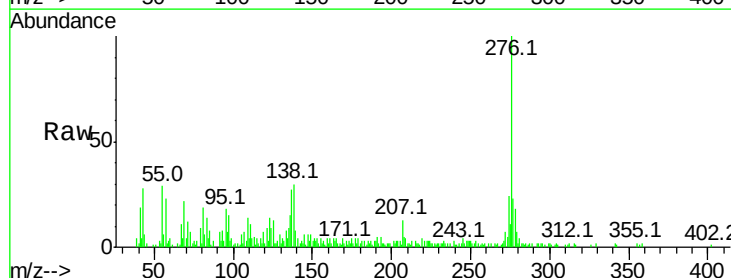
Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-1-5

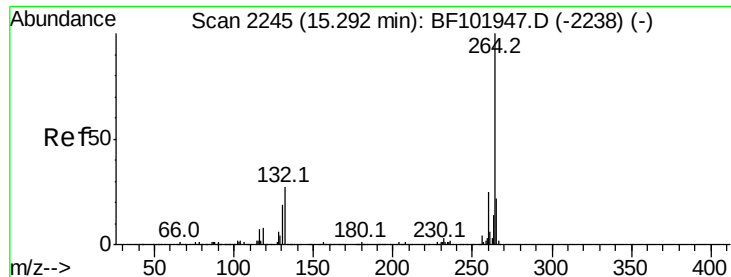
Tot Ion:149 Resp: 309357
 Ion Ratio Lower Upper
 149 100
 167 26.0 21.3 31.9
 279 2.7 3.0 4.4#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.788 ng
 RT: 16.67 min Scan# 2479
 Delta R.T. -0.01 min
 Lab File: BF102229.D
 Acq: 19 Jan 2018 21:04

Tgt Ion:276 Resp: 48089
 Ion Ratio Lower Upper
 276 100
 138 30.6 25.0 37.6
 277 24.3 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: BF102229.D

Acq: 19 Jan 2018 21:04

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-1-5

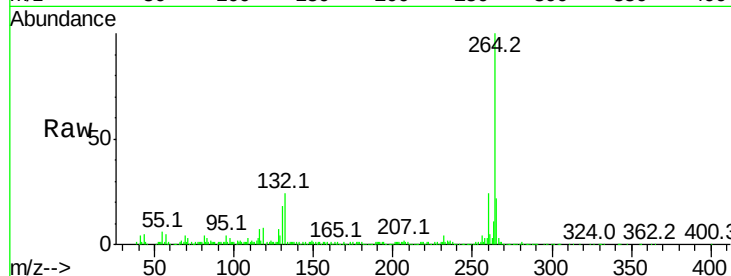
Tot Ion:264 Resp: 290778

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

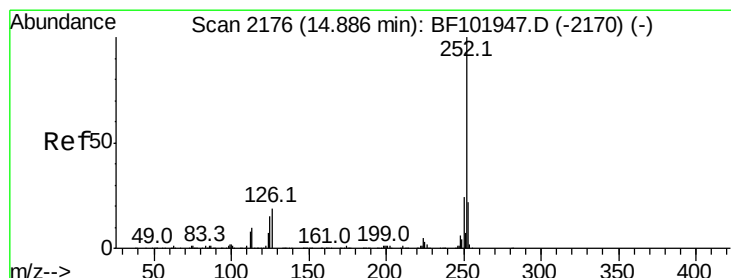
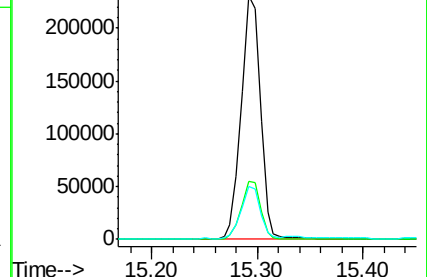
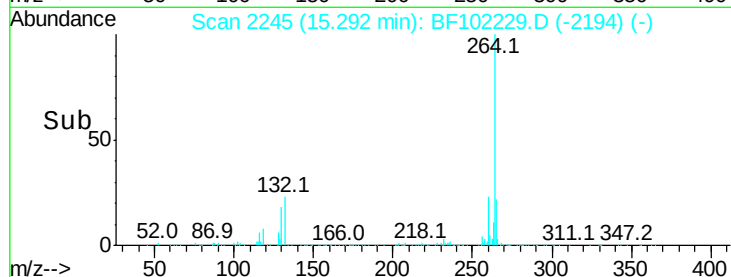
265 22.0 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 7.622 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BF102229.D

Acq: 19 Jan 2018 21:04

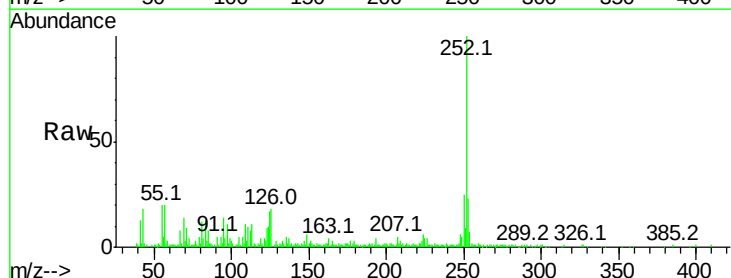
Tgt Ion:252 Resp: 144510

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

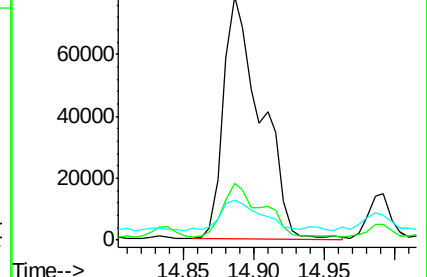
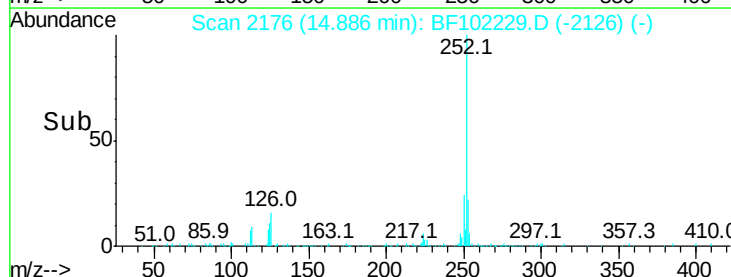
125 16.7 9.0 13.6#

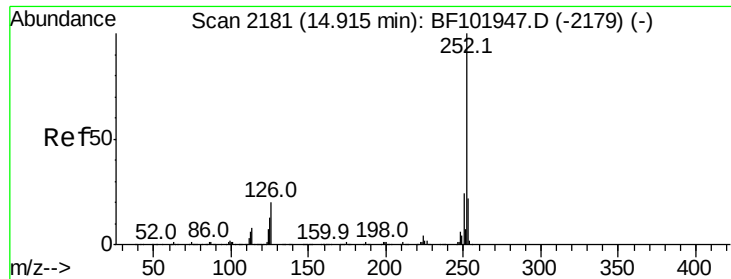


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

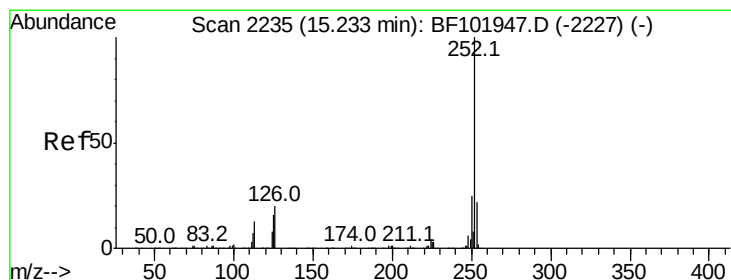
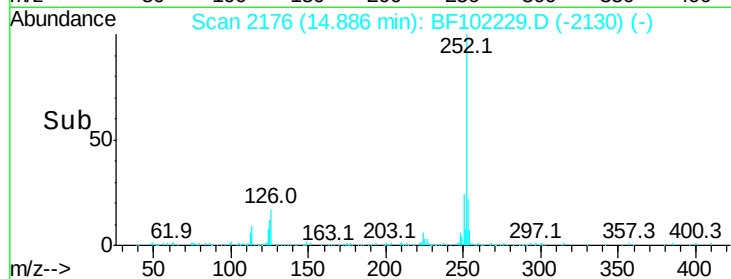
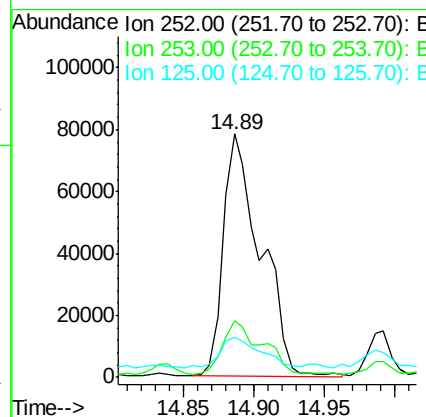
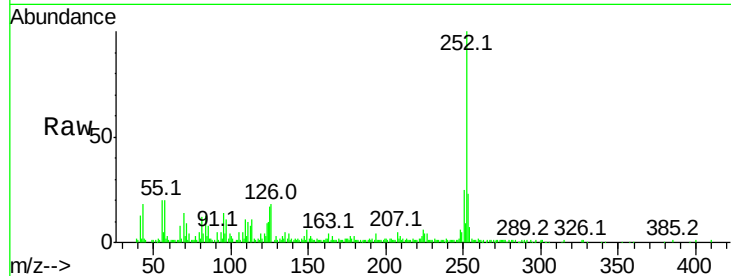




#88
Benzo(k)fluoranthene
Concen: 7.901 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF102229.D
Acq: 19 Jan 2018 21:04

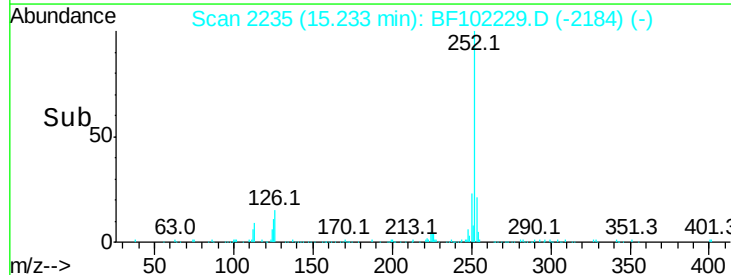
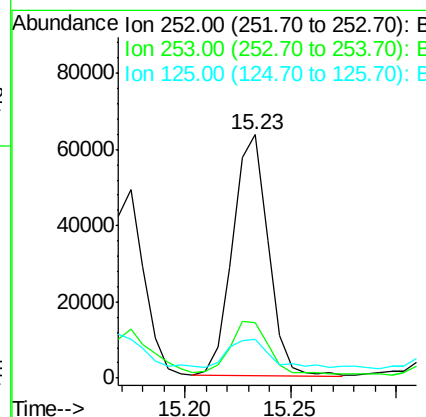
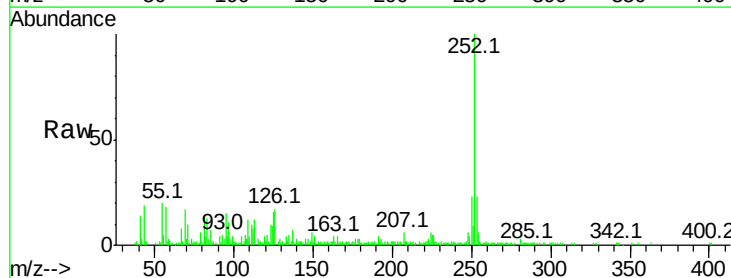
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-1-5

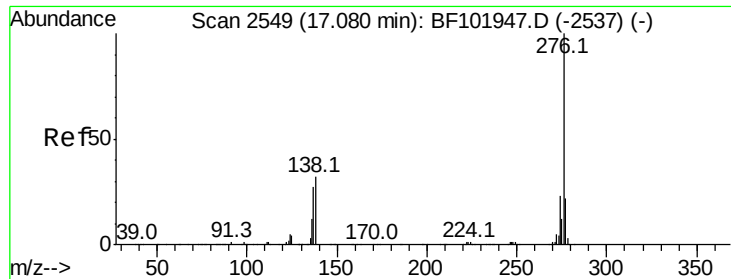
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	16.7	10.2	15.2



#89
Benzo(a)pyrene
Concen: 4.295 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BF102229.D
Acq: 19 Jan 2018 21:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	15.8	9.8	14.6

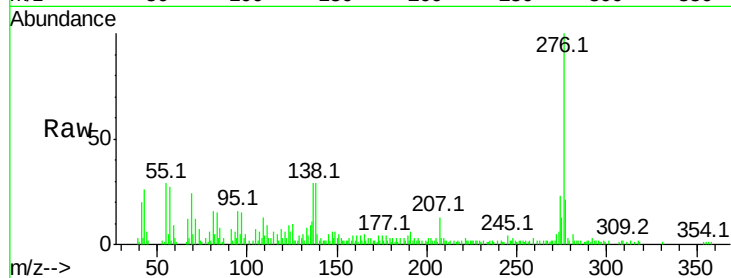




#91
 Benzo(a,h,i)perylene
 Concen: 3.485 ng
 RT: 17.09 min Scan# 2551
 Delta R.T. -0.01 min
 Lab File: BF102229.D
 Acq: 19 Jan 2018 21:04

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-1-5

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.1	17.9	26.9
138	28.6	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

