

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091217\
 Data File : BF098468.D
 Acq On : 12 Sep 2017 23:34
 Operator : SJ/JU
 Sample : I5140-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-11-0-12.25

Quant Time: Sep 13 01:03:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	182637	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	727743	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	283070	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	447153	20.00	ng	-0.01
75) Chrysene-d12	13.81	240	359443	20.00	ng	0.00
86) Perylene-d12	15.21	264	290421	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	915611	74.12	ng	0.00
7) Phenol-d6	6.32	99	1150438	73.35	ng	0.00
23) Nitrobenzene-d5	7.23	82	675305	51.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	131722	69.72	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	857431	51.34	ng	-0.01
78) Terphenyl-d14	12.76	244	615951	36.99	ng	-0.01

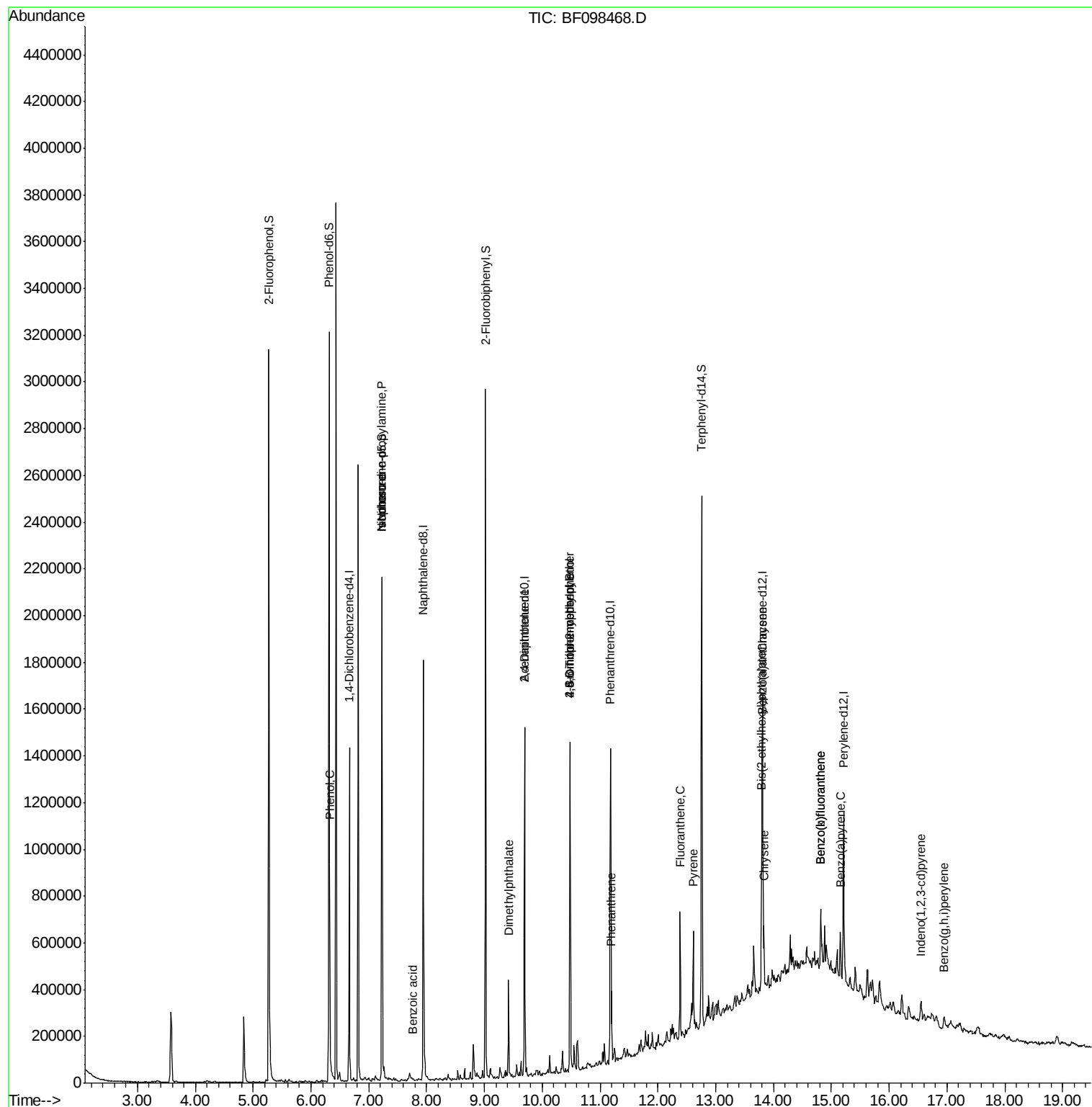
Target Compounds				Qvalue		
10) Phenol	6.33	94	41777	2.293	ng	97
19) n-Nitroso-di-n-propylamine	7.23	70	90560	9.180	ng	# 81
25) Isophorone	7.23	82	665242	25.188	ng	# 67
32) Benzoic acid	7.77	122	379	8.011	ng	# 81
49) Dimethylphthalate	9.42	163	142162	6.488	ng	97
56) 2,4-Dinitrotoluene	9.69	165	37580	6.868	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.48	198	271	5.053	ng	# 1
66) 4-Bromophenyl-phenylether	10.48	248	10070	2.373	ng	# 1
70) Phenanthrene	11.20	178	97237	4.102	ng	96
74) Fluoranthene	12.39	202	201261	8.481	ng	98
77) Pyrene	12.62	202	179810	6.341	ng	99
80) Benzo(a)anthracene	13.80	228	85924	4.077	ng	99
82) Chrysene	13.83	228	88894	4.173	ng	96
83) Bis(2-ethylhexyl)phthalate	13.79	149	82959	5.374	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.55	276	35362	2.366	ng	99
87) Benzo(b)fluoranthene	14.82	252	138647	7.593	ng	# 89
88) Benzo(k)fluoranthene	14.82	252	138647	8.133	ng	# 93
89) Benzo(a)pyrene	15.16	252	67534	4.151	ng	# 89
91) Benzo(a,h,i)perylene	16.95	276	38307	3.218	ng	97

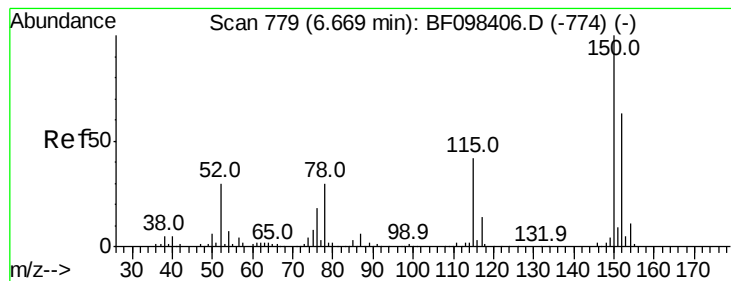
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.66 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF098468.D

Acq: 12 Sep 2017 23:34

Instrument :

BNA_F

ClientSampleId :

RL-11-0-12.25

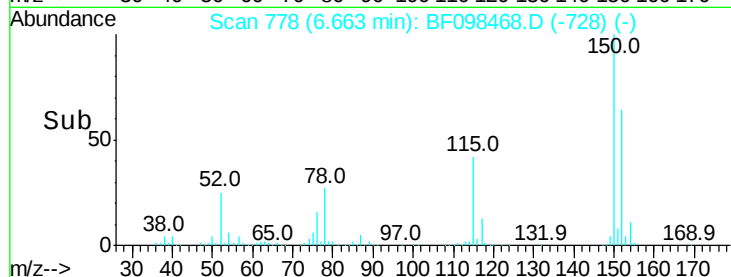
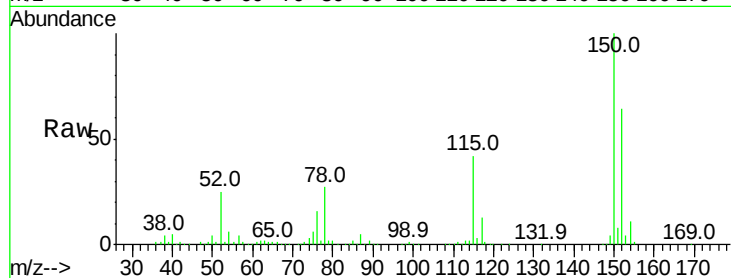
Tot Ion:152 Resp: 182637

Ion Ratio Lower Upper

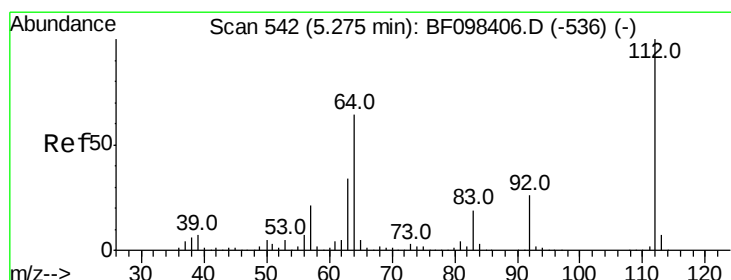
152 100

150 157.5 126.2 189.2

115 66.4 52.2 78.2



Time-->



#5

2-Fluorophenol

Concen: 74.123 ng

RT: 5.27 min Scan# 541

Delta R.T. -0.00 min

Lab File: BF098468.D

Acq: 12 Sep 2017 23:34

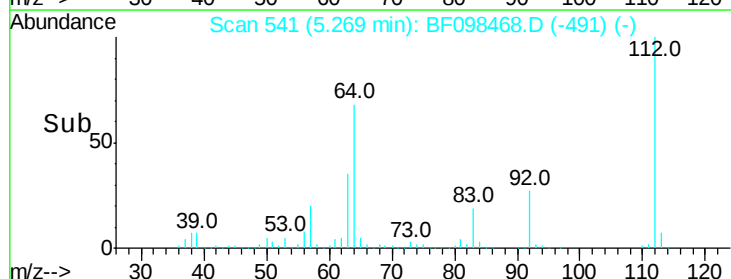
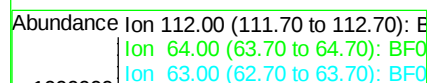
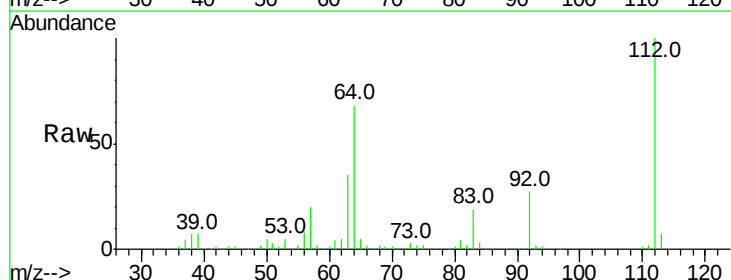
Tgt Ion:112 Resp: 915611

Ion Ratio Lower Upper

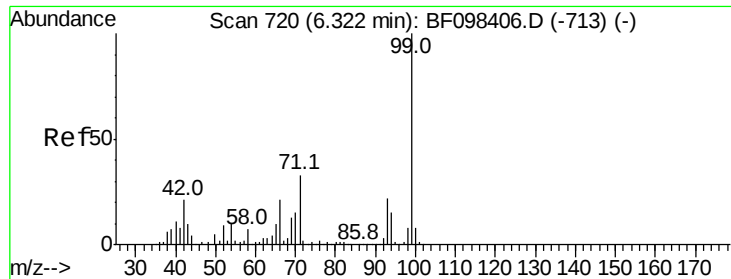
112 100

64 67.5 46.0 69.0

63 34.6 23.4 35.0



Time-->



#7

Phenol-d6

Concen: 73.352 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF098468.D

Acq: 12 Sep 2017 23:34

Instrument :

BNA_F

ClientSampleId :

RL-11-0-12.25

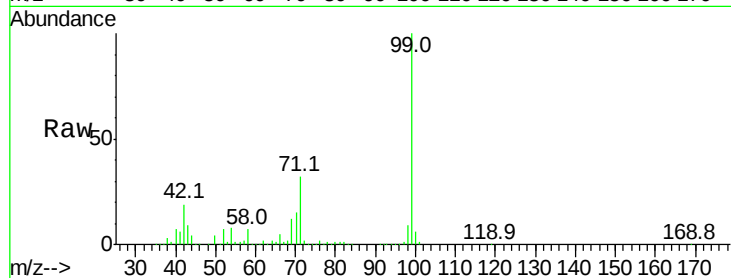
Tot Ion: 99 Resp: 1150438

Ion Ratio Lower Upper

99 100

42 18.5 13.5 20.3

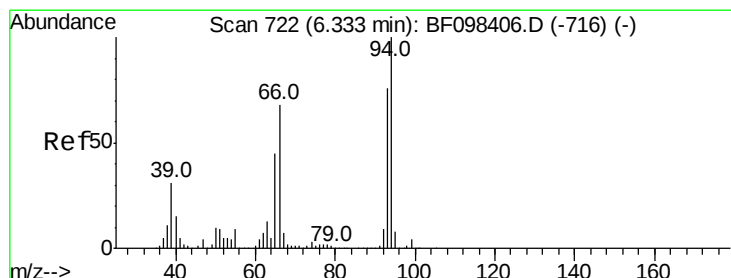
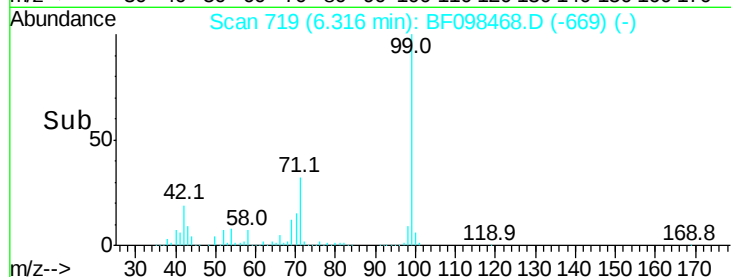
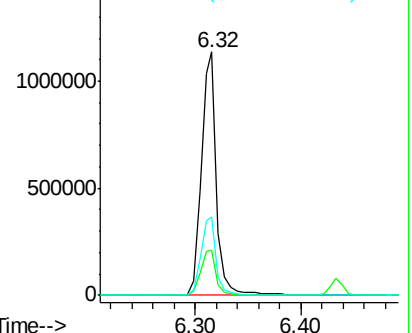
71 32.4 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.293 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF098468.D

Acq: 12 Sep 2017 23:34

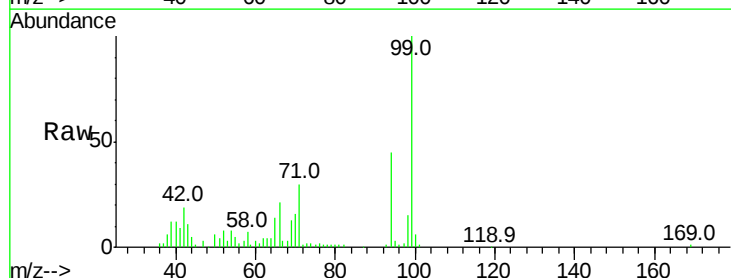
Tgt Ion: 94 Resp: 41777

Ion Ratio Lower Upper

94 100

65 30.4 9.9 49.9

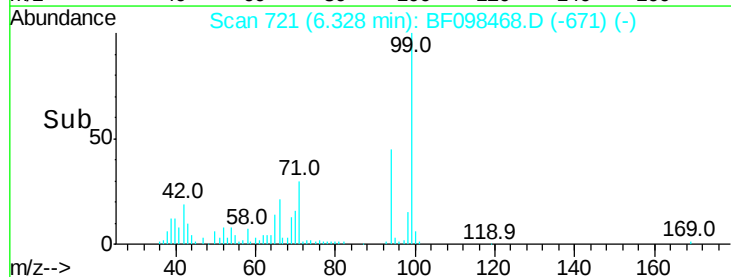
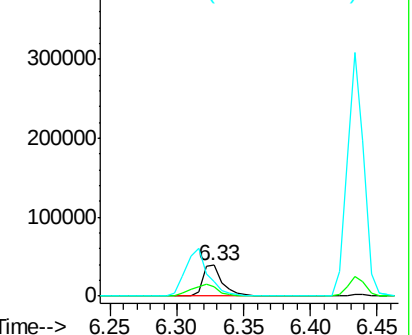
66 45.7 23.1 63.1

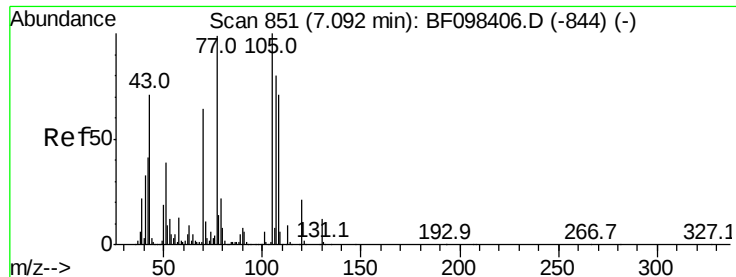


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 9.180 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF098468.D

Acq: 12 Sep 2017 23:34

Instrument :

BNA_F

ClientSampleId :

RL-11-0-12.25

Tot Ion: 70 Resp: 90560

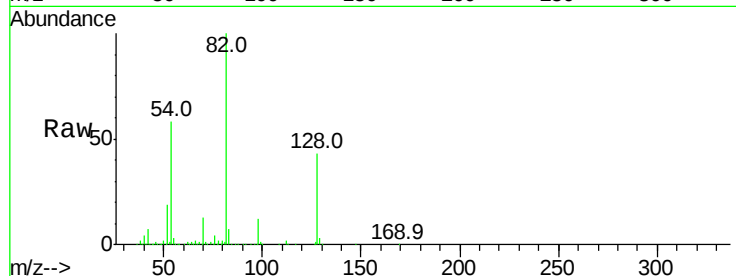
Ion Ratio Lower Upper

70 100

42 50.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#



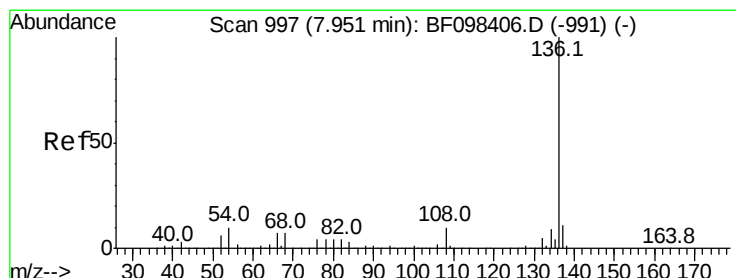
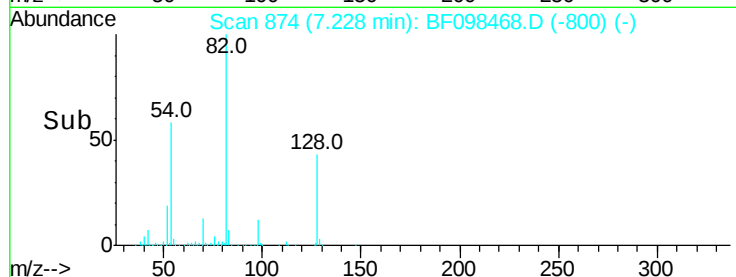
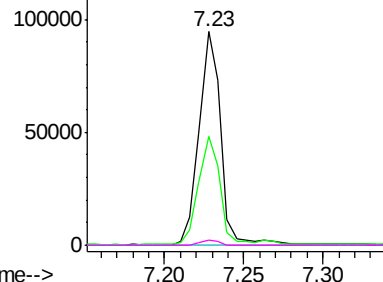
Abundance

Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF098468.D

Acq: 12 Sep 2017 23:34

Tgt Ion: 136 Resp: 727743

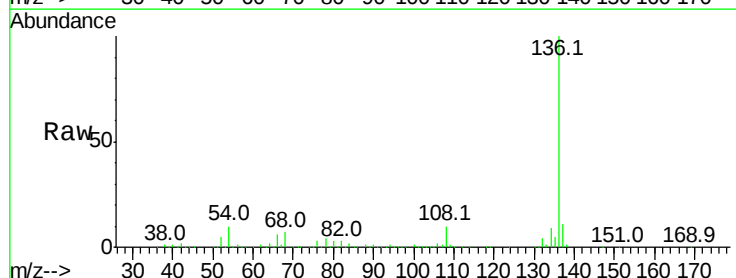
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 10.0 4.9 7.3#

68 7.1 4.1 6.1#



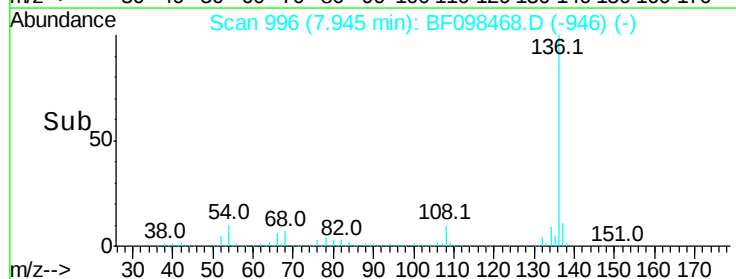
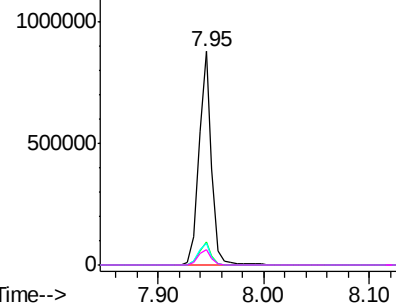
Abundance

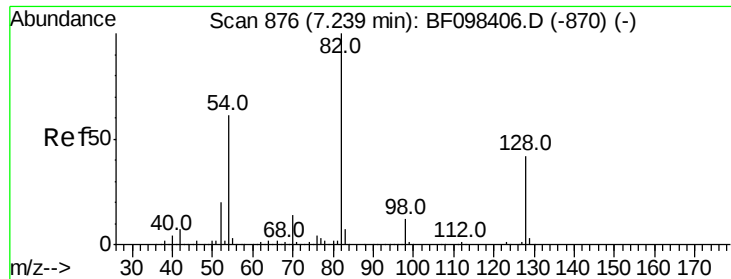
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

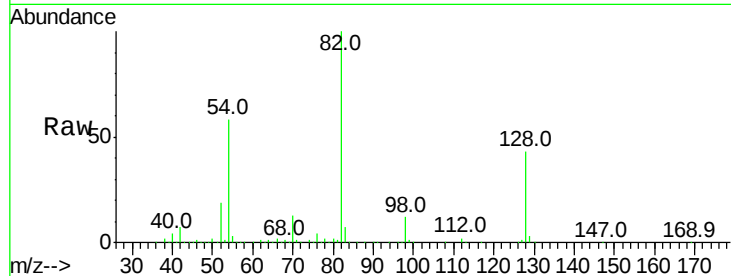




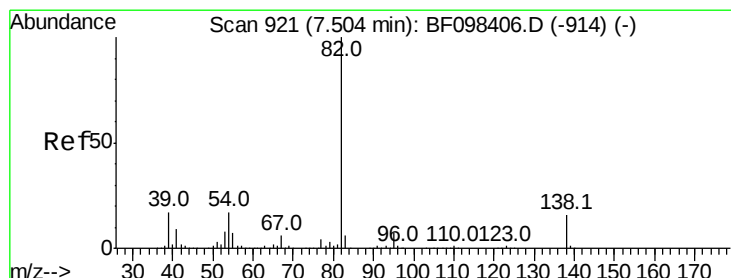
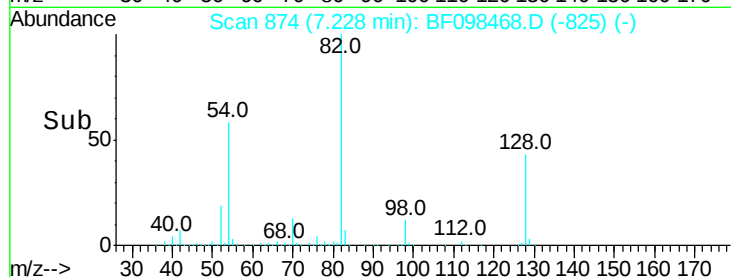
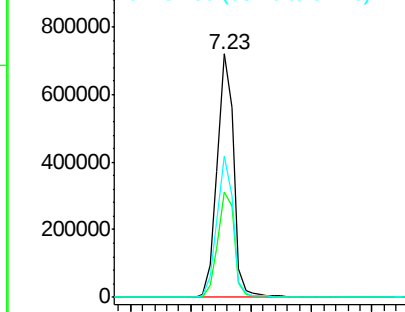
#23
Nitrobenzene-d5
Concen: 51.733 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF098468.D
Acq: 12 Sep 2017 23:34

Instrument :
BNA_F
ClientSampleId :
RL-11-0-12.25

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.0	51.0
54	58.0	42.2	63.2

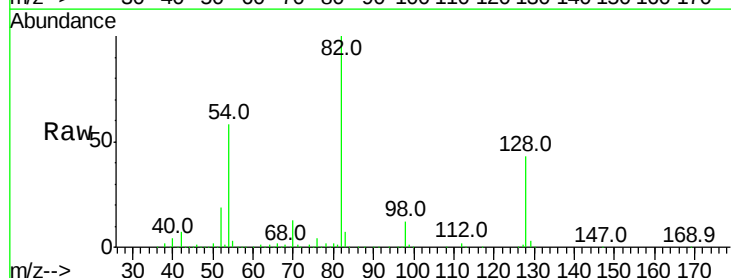


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

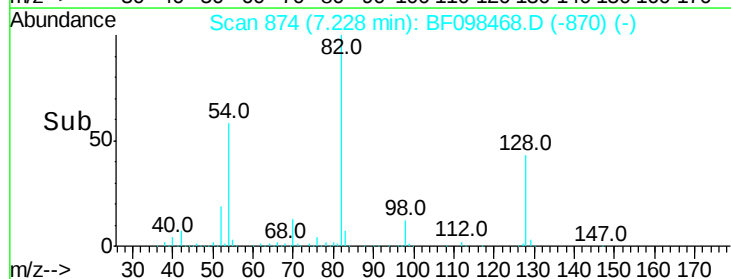
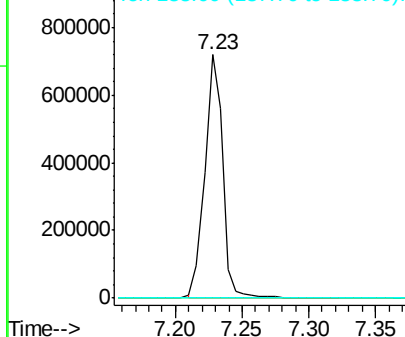


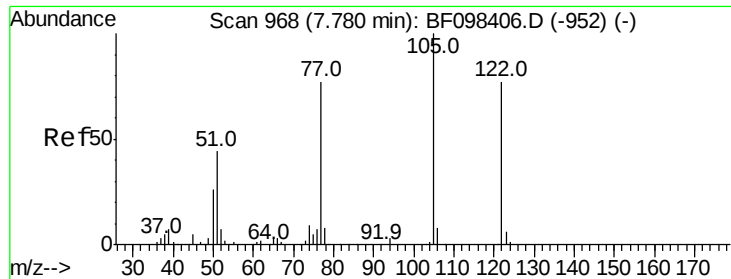
#25
Isophorone
Concen: 25.188 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.28 min
Lab File: BF098468.D
Acq: 12 Sep 2017 23:34

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

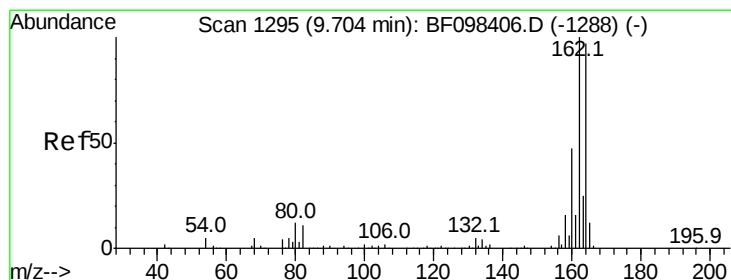
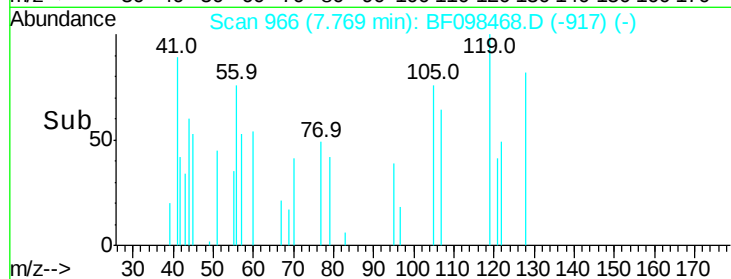
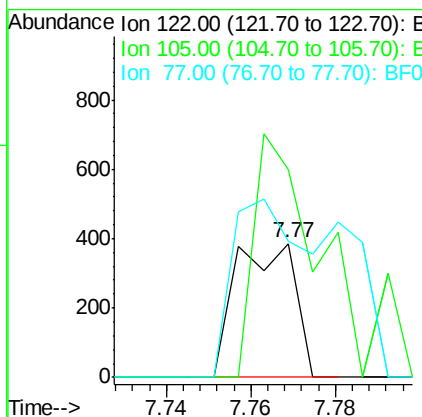
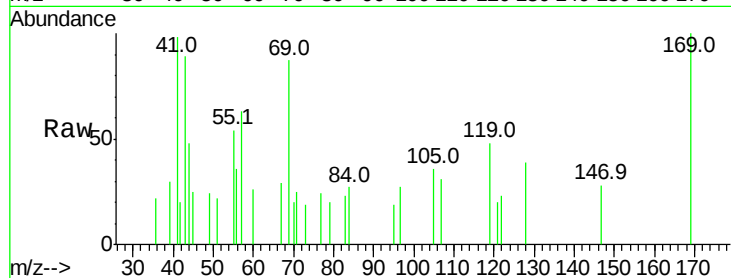




#32
Benzoic acid
Concen: 8.011 ng
RT: 7.77 min Scan# 966
Delta R.T. -0.01 min
Lab File: BF098468.D
Acq: 12 Sep 2017 23:34

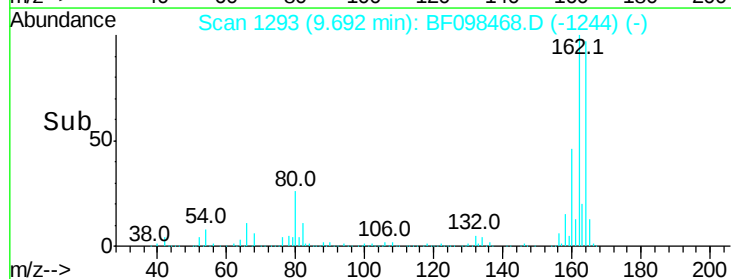
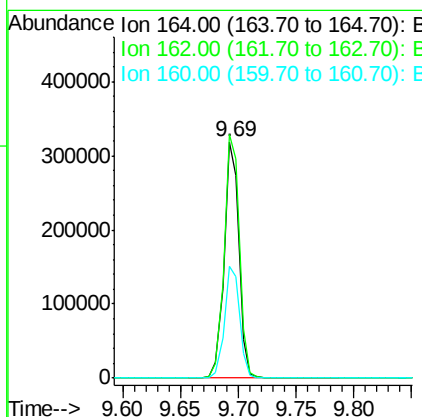
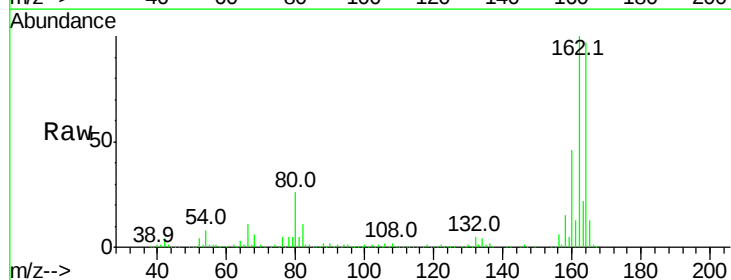
Instrument :
BNA_F
ClientSampleId :
RL-11-0-12.25

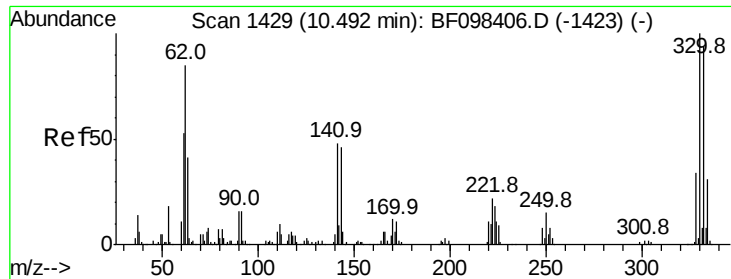
Tot Ion:122 Resp: 379
Ion Ratio Lower Upper
122 100
105 155.2 103.3 143.3#
77 101.3 73.7 113.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF098468.D
Acq: 12 Sep 2017 23:34

Tgt Ion:164 Resp: 283070
Ion Ratio Lower Upper
164 100
162 103.1 82.6 123.8
160 47.1 36.2 54.2

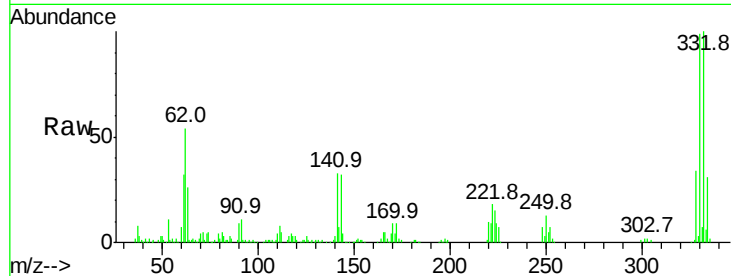




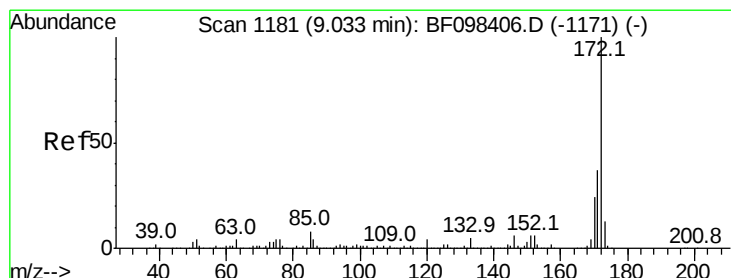
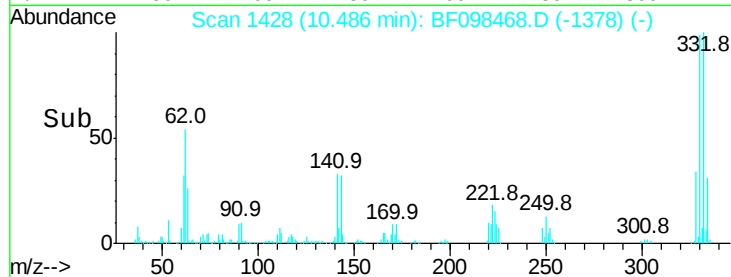
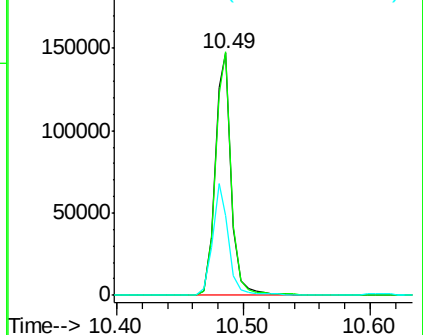
#41
 2,4,6-Tribromophenol
 Concen: 69.721 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF098468.D
 Acq: 12 Sep 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 RL-11-0-12.25

Tot Ion:330 Resp: 131722
 Ion Ratio Lower Upper
 330 100
 332 99.2 76.6 115.0
 141 46.4 31.4 47.2

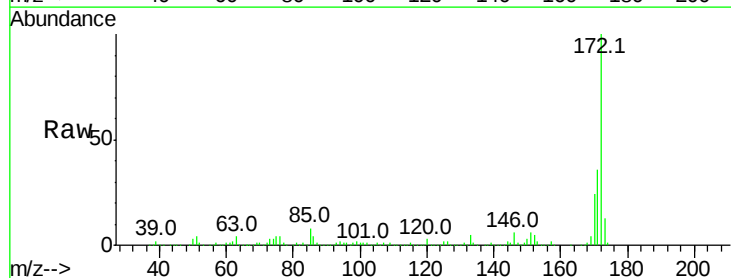


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

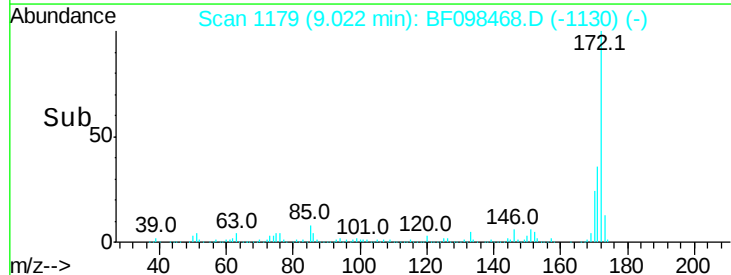
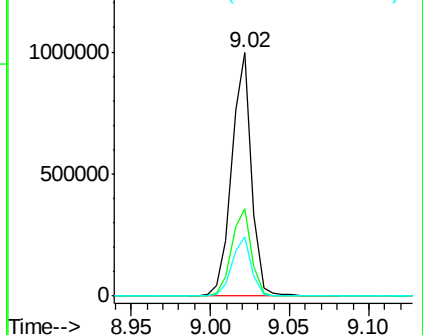


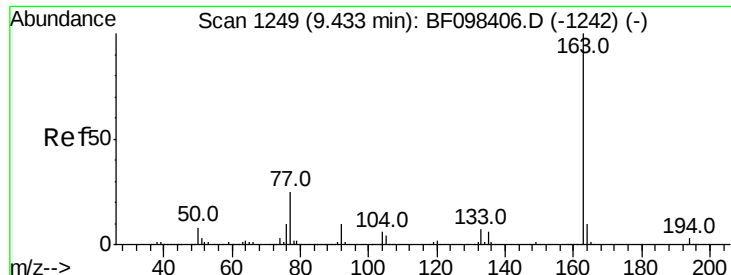
#44
 2-Fluorobiphenyl
 Concen: 51.340 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF098468.D
 Acq: 12 Sep 2017 23:34

Tgt Ion:172 Resp: 857431
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 24.1 19.8 29.8



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

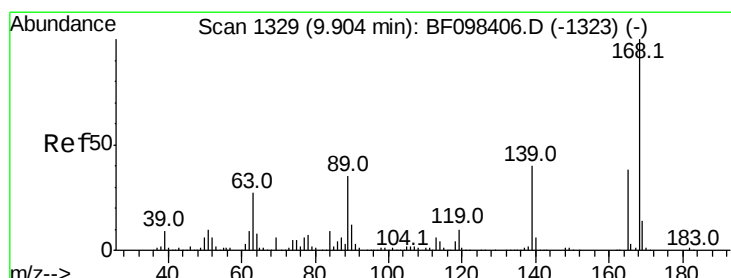
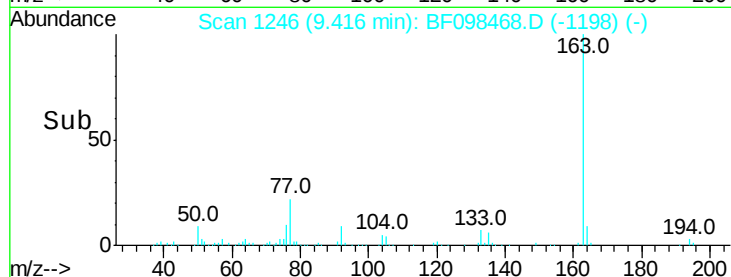
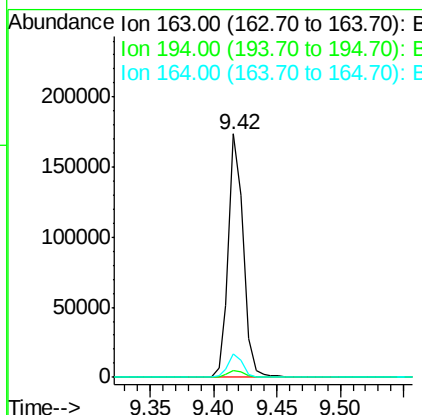
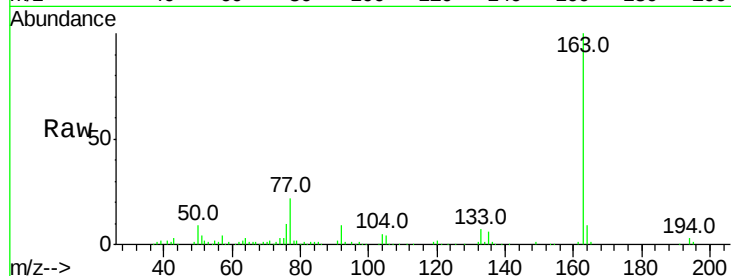




#49
Dimethylphthalate
Concen: 6.488 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF098468.D
Acq: 12 Sep 2017 23:34

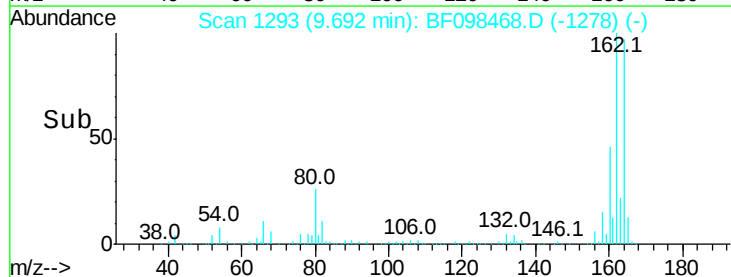
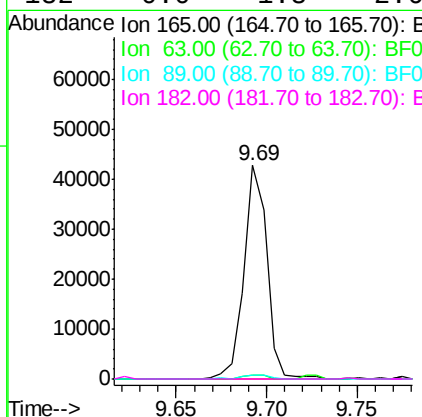
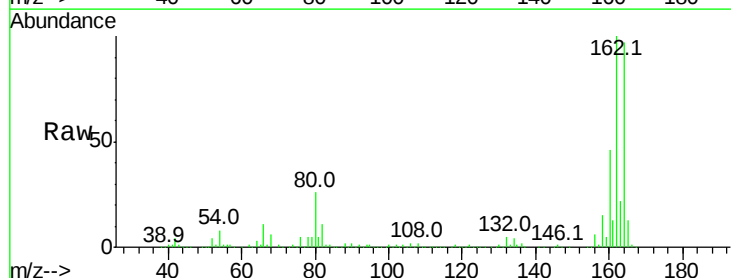
Instrument :
BNA_F
ClientSampleId :
RL-11-0-12.25

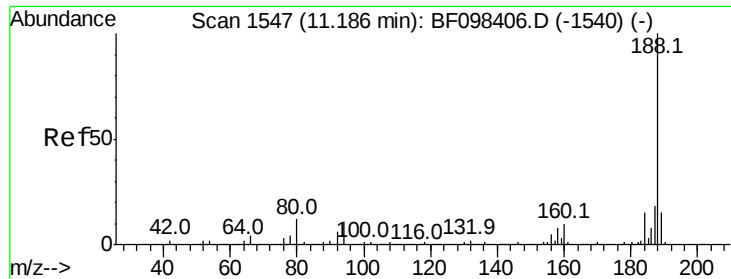
Tot Ion:163 Resp: 142162
Ion Ratio Lower Upper
163 100
194 2.7 2.6 4.0
164 9.4 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.868 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.21 min
Lab File: BF098468.D
Acq: 12 Sep 2017 23:34

Tgt Ion:165 Resp: 37580
Ion Ratio Lower Upper
165 100
63 1.6 25.4 38.0#
89 1.9 46.4 69.6#
182 0.0 1.8 2.6#

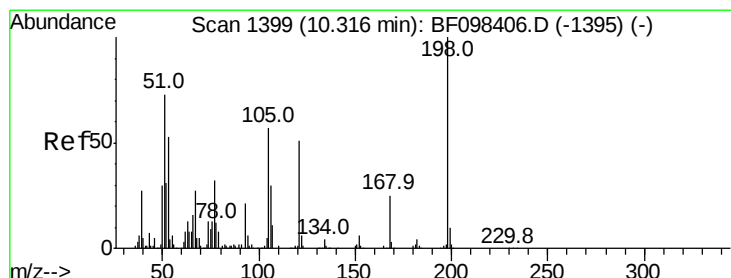
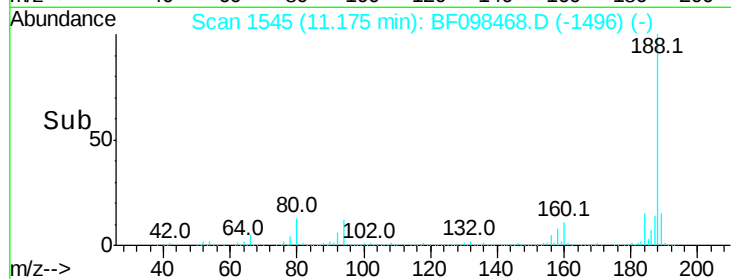
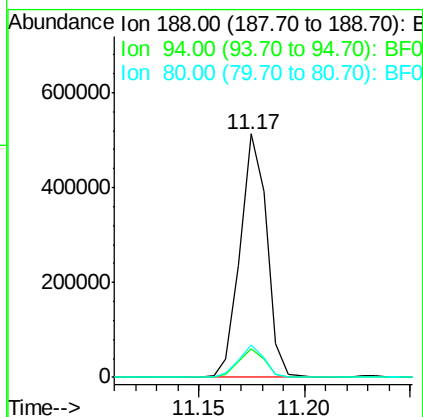
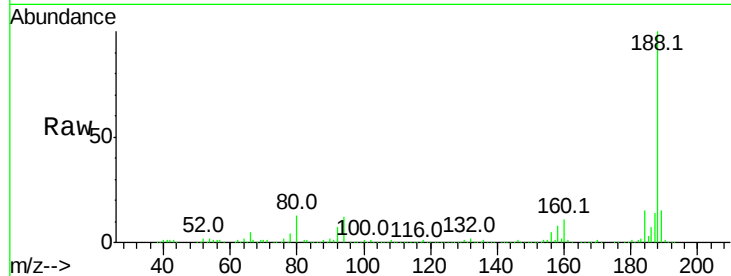




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF098468.D
 Acq: 12 Sep 2017 23:34

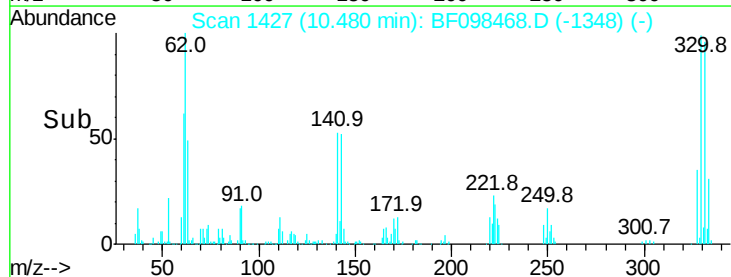
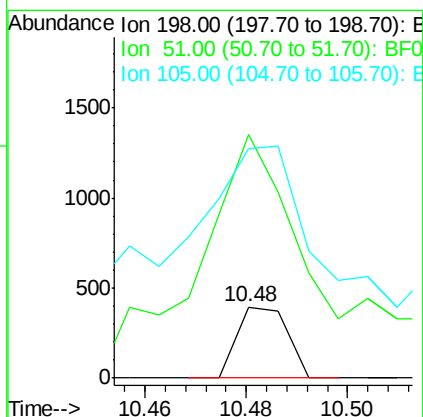
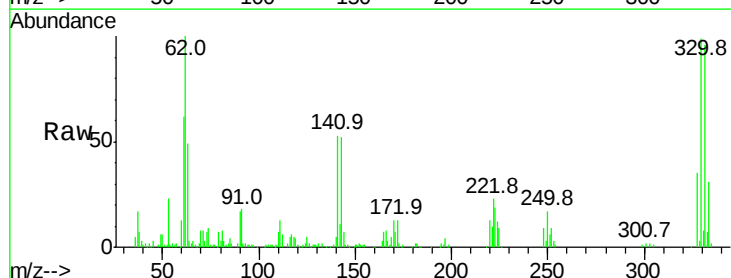
Instrument :
 BNA_F
 ClientSampleId :
 RL-11-0-12.25

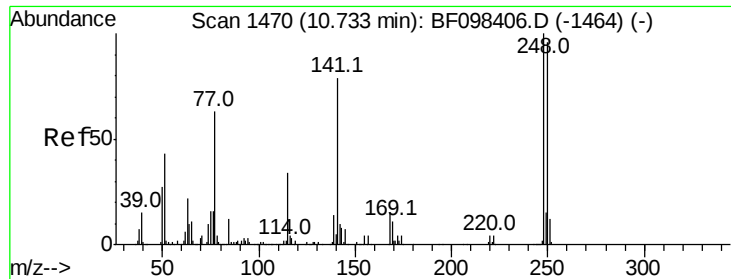
Tot Ion:188 Resp: 447153
 Ion Ratio Lower Upper
 188 100
 94 11.6 9.4 14.2
 80 13.5 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.053 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. 0.17 min
 Lab File: BF098468.D
 Acq: 12 Sep 2017 23:34

Tgt Ion:198 Resp: 271
 Ion Ratio Lower Upper
 198 100
 51 344.0 53.2 93.2#
 105 323.7 45.8 85.8#

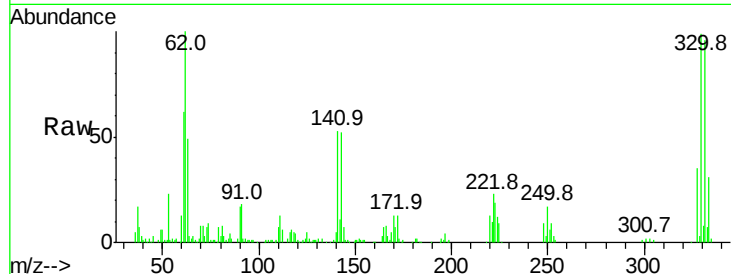




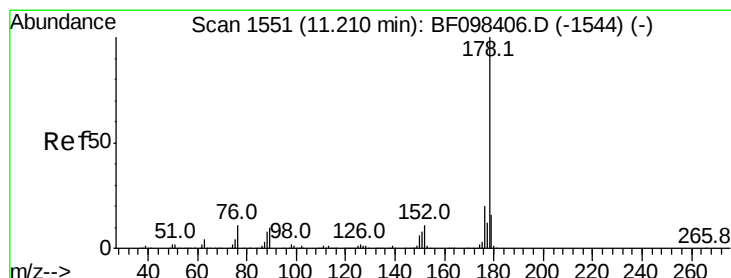
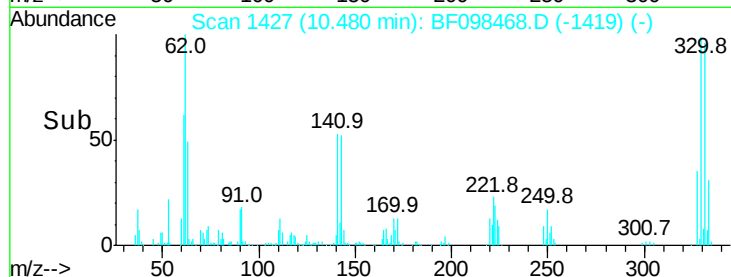
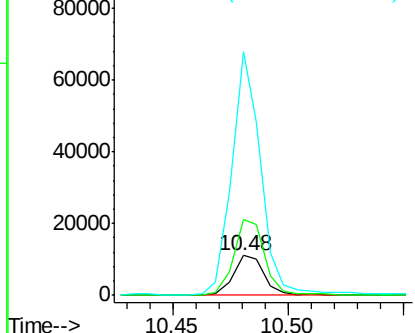
#66
 4-Bromophenyl-phenylether
 Concen: 2.373 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.25 min
 Lab File: BF098468.D
 Acq: 12 Sep 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 RL-11-0-12.25

Tot Ion:248 Resp: 10070
 Ion Ratio Lower Upper
 248 100
 250 193.2 76.8 115.2#
 141 616.9 68.6 103.0#

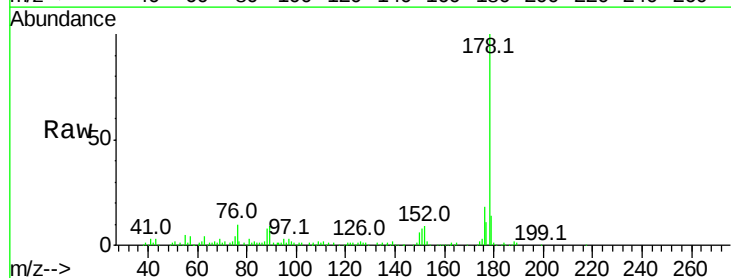


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

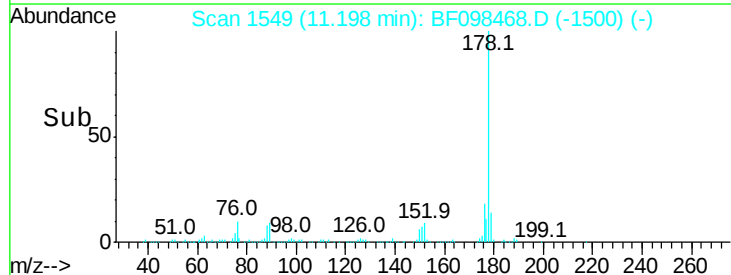
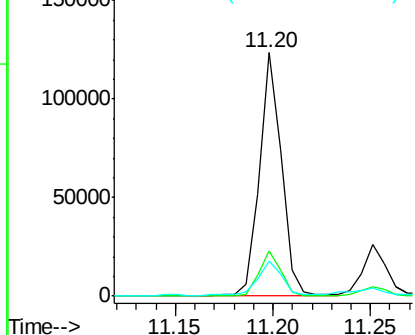


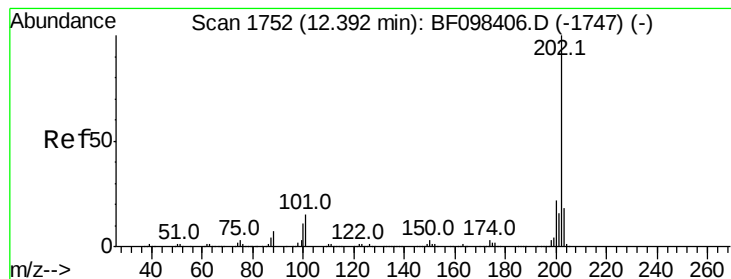
#70
 Phenanthrene
 Concen: 4.102 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF098468.D
 Acq: 12 Sep 2017 23:34

Tgt Ion:178 Resp: 97237
 Ion Ratio Lower Upper
 178 100
 176 18.4 16.2 24.4
 179 14.3 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: 8.481 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF098468.D

Acq: 12 Sep 2017 23:34

Instrument :

BNA_F

ClientSampleId :

RL-11-0-12.25

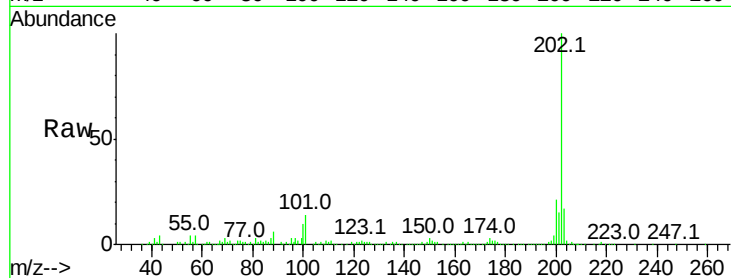
Tot Ion:202 Resp: 201261

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.2

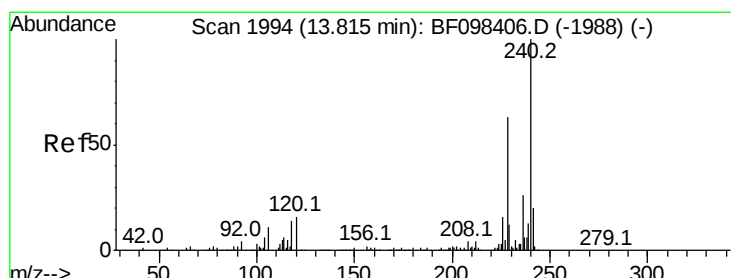
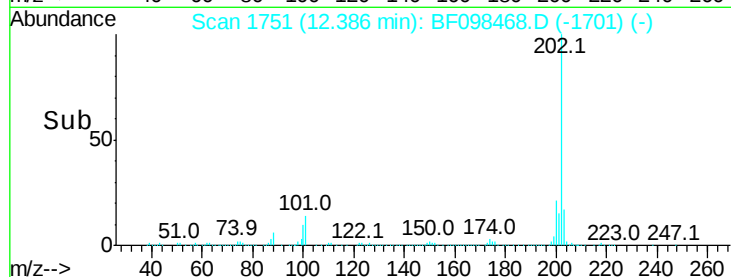
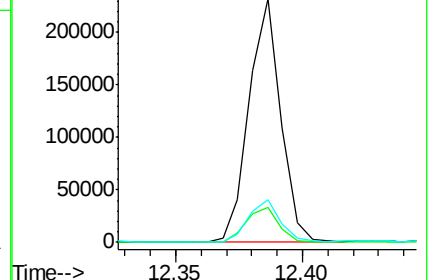
203 17.4 0.0 38.1



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: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098468.D

Acq: 12 Sep 2017 23:34

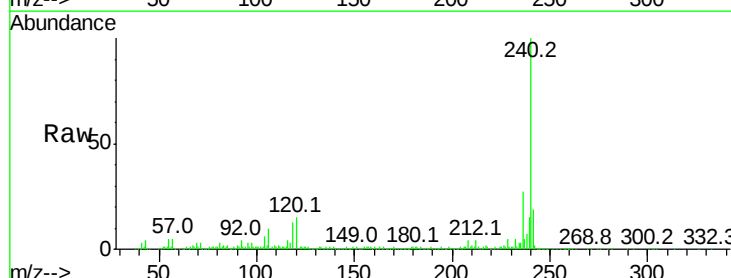
Tgt Ion:240 Resp: 359443

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

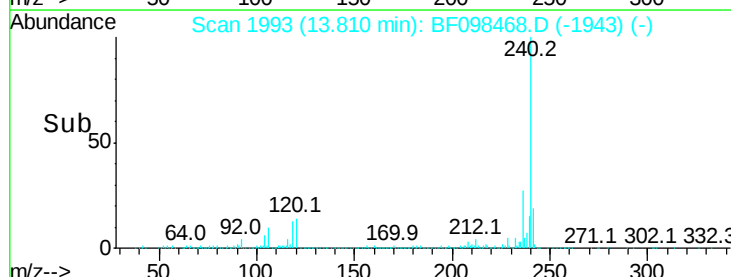
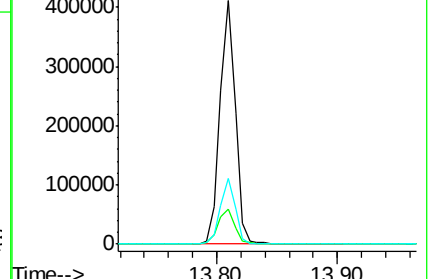
236 27.1 20.5 30.7

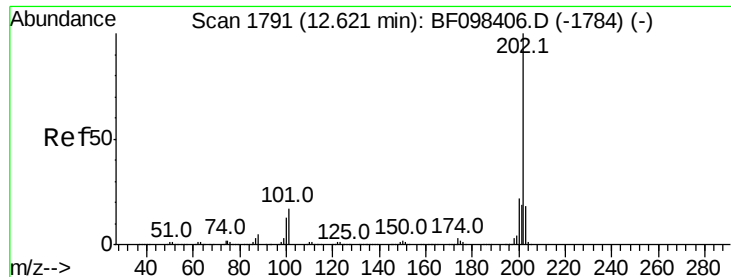


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

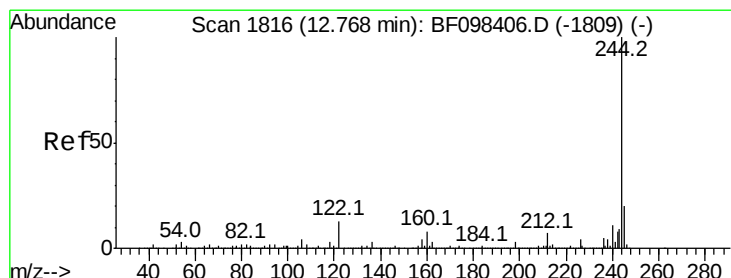
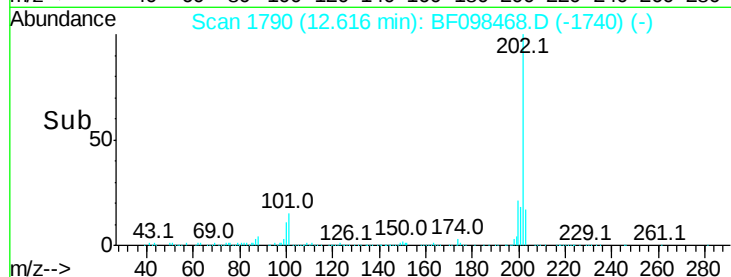
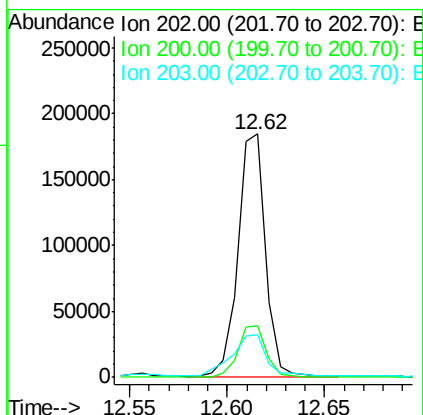
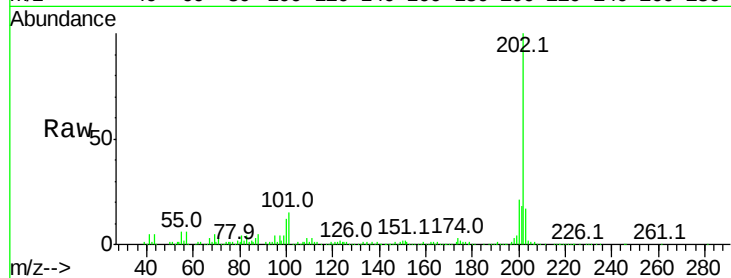




#77
Pvrene
Concen: 6.341 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF098468.D
Acq: 12 Sep 2017 23:34

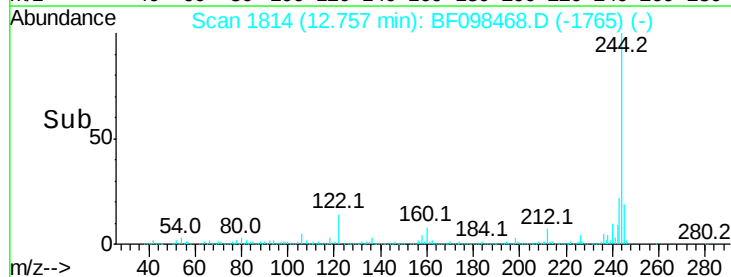
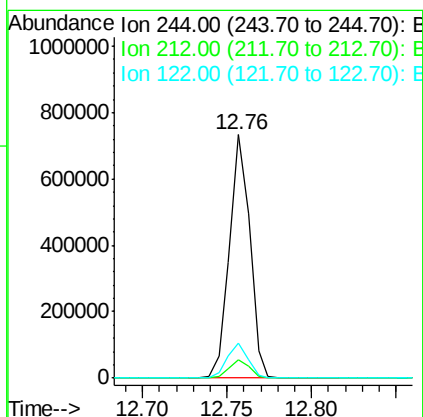
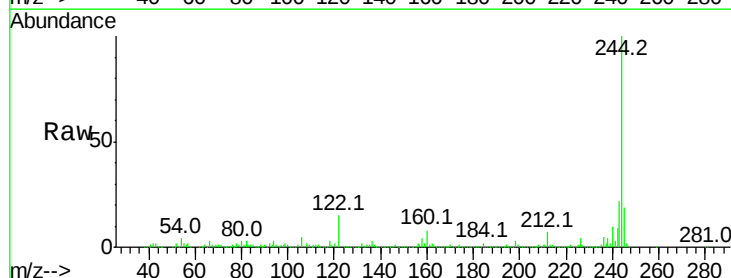
Instrument :
BNA_F
ClientSampleId :
RL-11-0-12.25

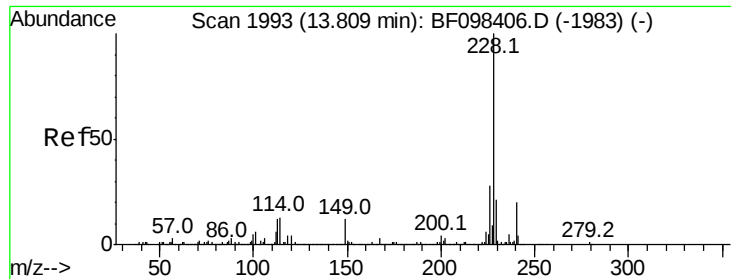
Tot Ion:202 Resp: 179810
Ion Ratio Lower Upper
202 100
200 21.4 17.6 26.4
203 17.3 14.4 21.6



#78
Terphenyl-d14
Concen: 36.988 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF098468.D
Acq: 12 Sep 2017 23:34

Tgt Ion:244 Resp: 615951
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 14.6 10.3 15.5

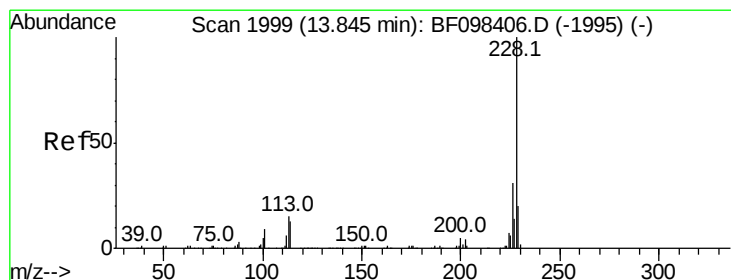
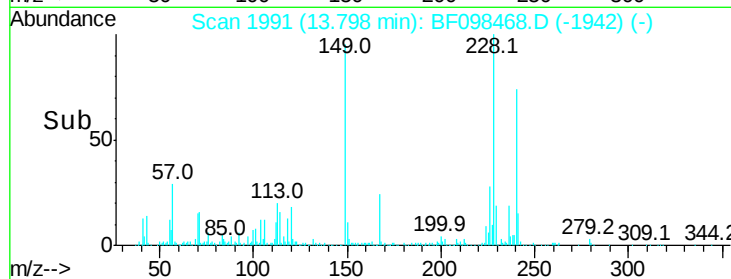
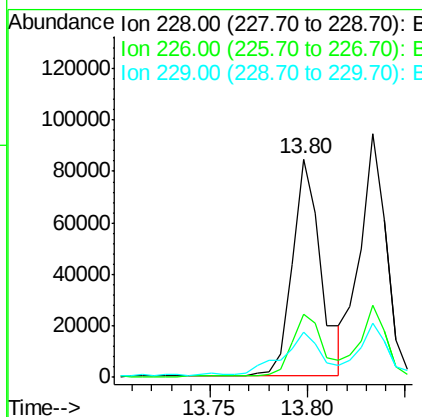
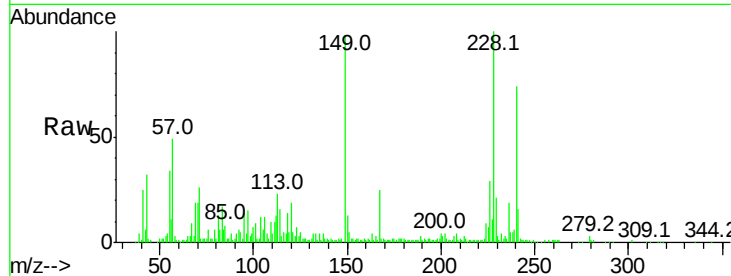




#80
Benzo(a)anthracene
Concen: 4.077 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BF098468.D
Acq: 12 Sep 2017 23:34

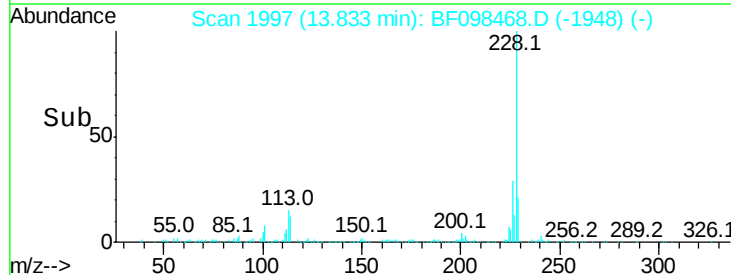
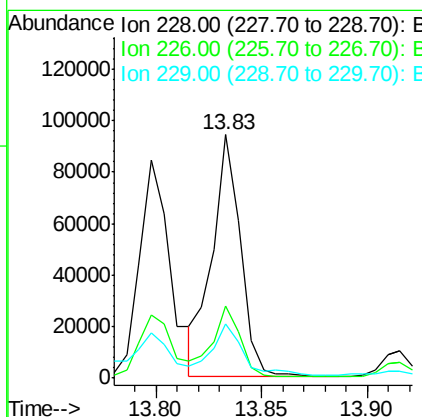
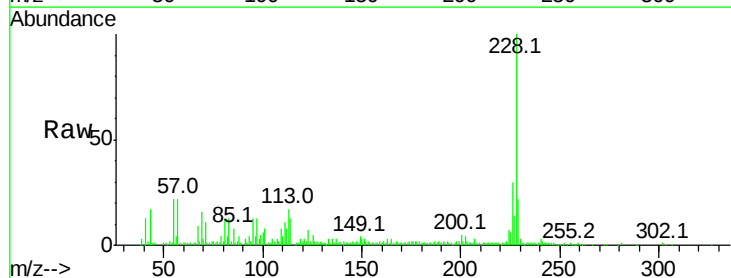
Instrument :
BNA_F
ClientSampleId :
RL-11-0-12.25

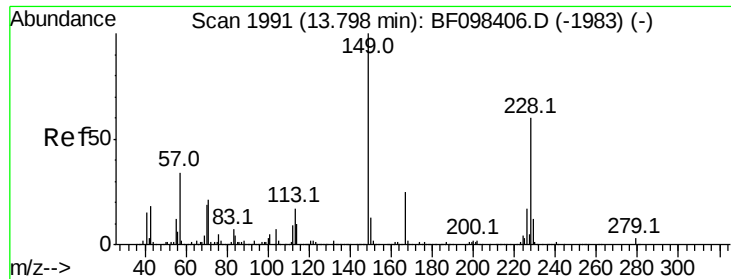
Tot Ion:228 Resp: 85924
Ion Ratio Lower Upper
228 100
226 28.8 22.6 33.8
229 20.5 16.3 24.5



#82
Chrysene
Concen: 4.173 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF098468.D
Acq: 12 Sep 2017 23:34

Tgt Ion:228 Resp: 88894
Ion Ratio Lower Upper
228 100
226 29.7 24.9 37.3
229 22.1 15.8 23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.374 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF098468.D

Acq: 12 Sep 2017 23:34

Instrument :

BNA_F

ClientSampleId :

RL-11-0-12.25

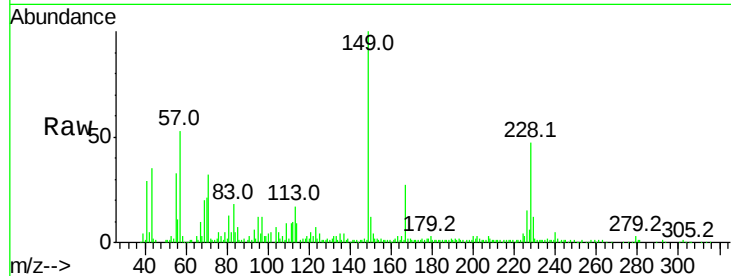
Tot Ion:149 Resp: 82959

Ion Ratio Lower Upper

149 100

167 27.3 21.0 31.4

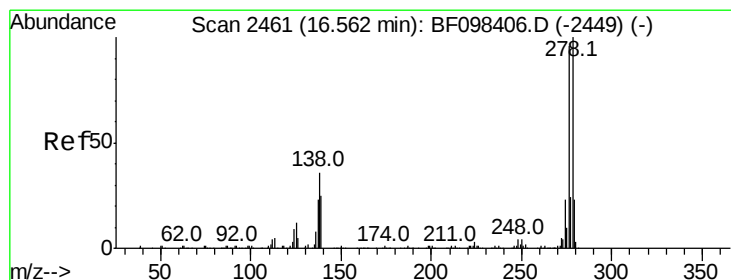
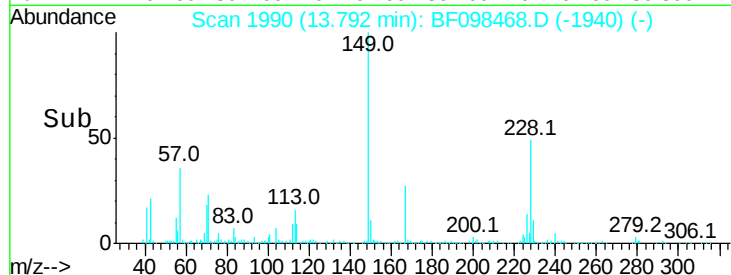
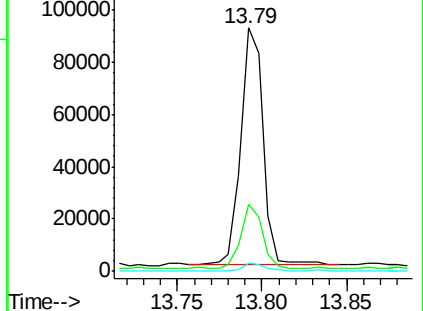
279 3.2 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.366 ng

RT: 16.55 min Scan# 2459

Delta R.T. -0.01 min

Lab File: BF098468.D

Acq: 12 Sep 2017 23:34

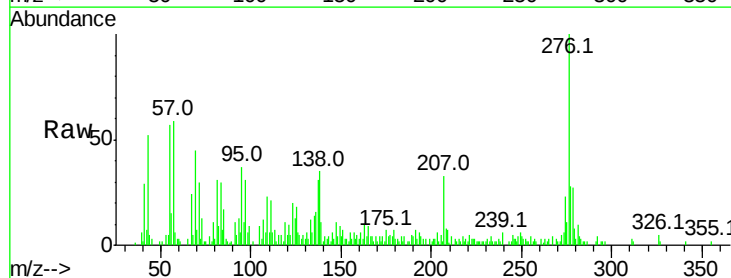
Tgt Ion:276 Resp: 35362

Ion Ratio Lower Upper

276 100

138 34.9 27.8 41.6

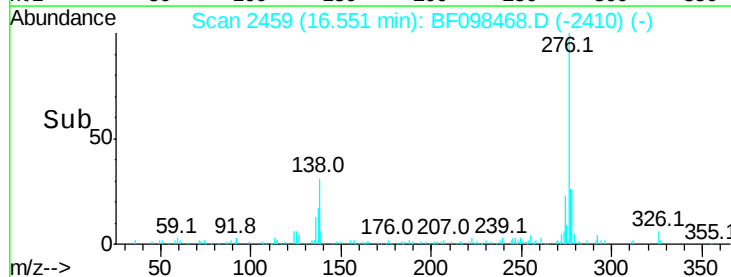
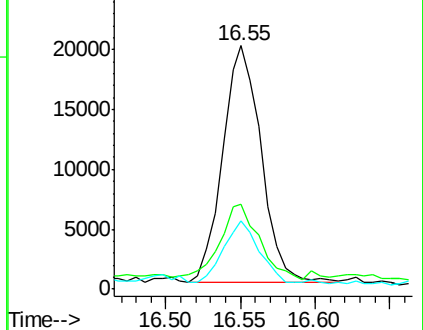
277 24.3 20.2 30.4

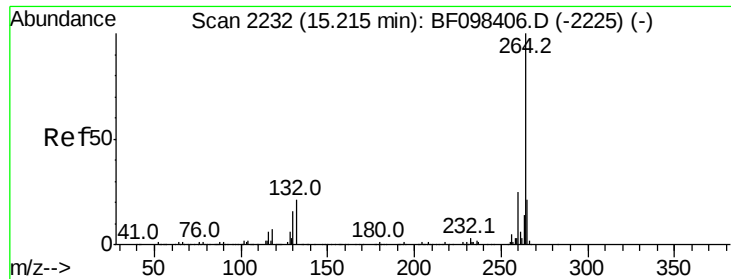


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



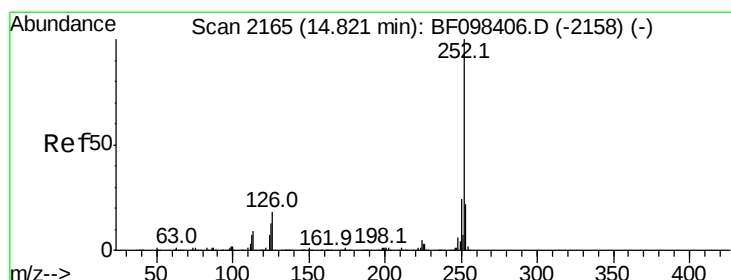
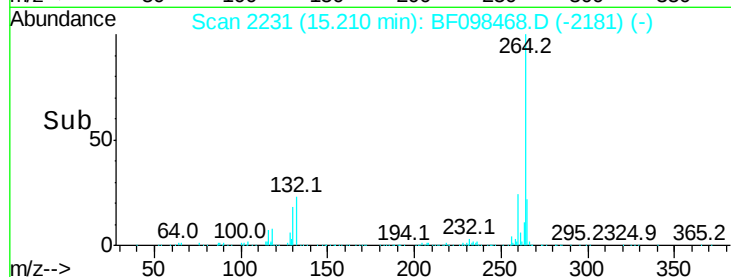
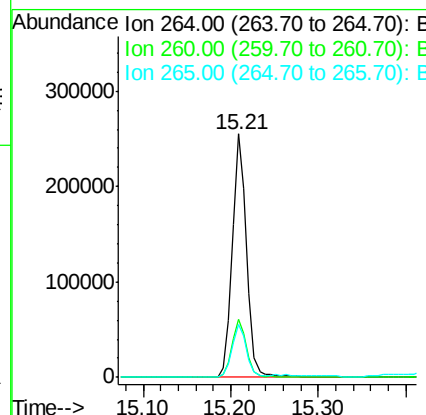
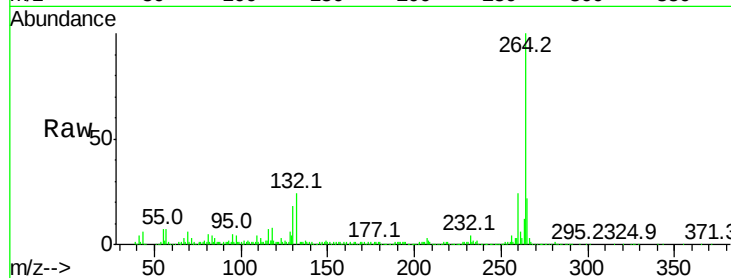


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF098468.D
Acq: 12 Sep 2017 23:34

Instrument :
BNA_F
ClientSampleId :
RL-11-0-12.25

Tot Ion:264 Resp: 290421

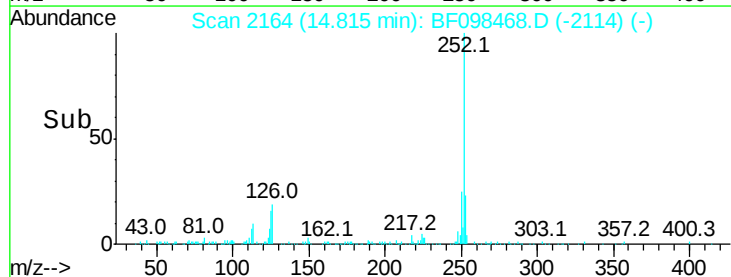
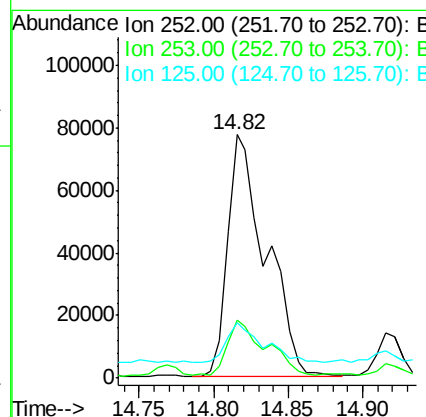
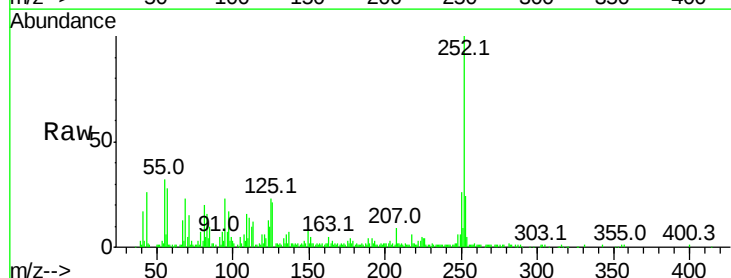
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.9	17.2	25.8

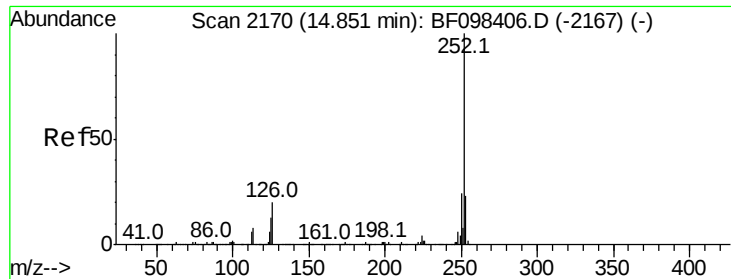


#87
Benzo(b)fluoranthene
Concen: 7.593 ng
RT: 14.82 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF098468.D
Acq: 12 Sep 2017 23:34

Tgt Ion:252 Resp: 138647

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	23.0	9.8	14.8#

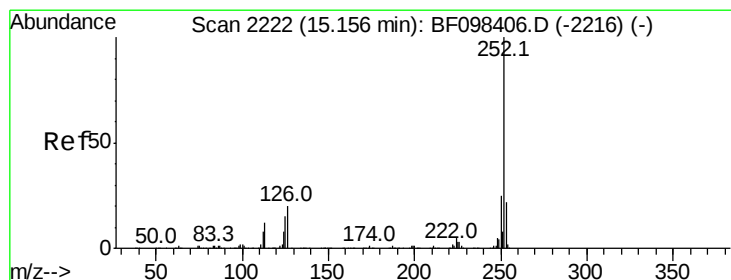
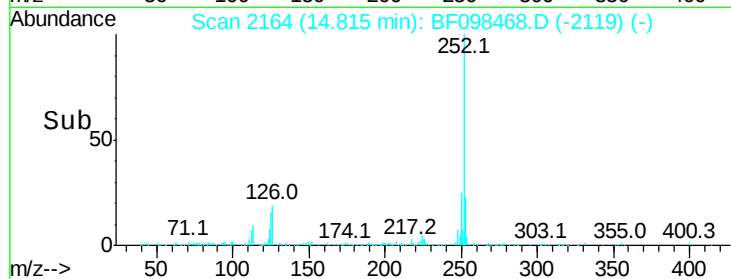
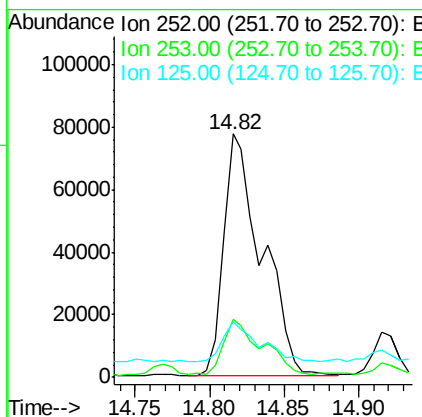
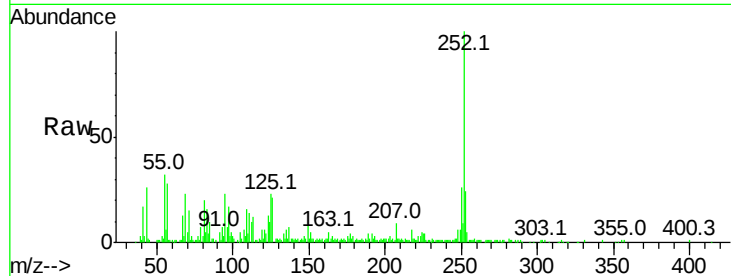




#88
Benzo(k)fluoranthene
Concen: 8.133 ng
RT: 14.82 min Scan# 2164
Delta R.T. -0.04 min
Lab File: BF098468.D
Acq: 12 Sep 2017 23:34

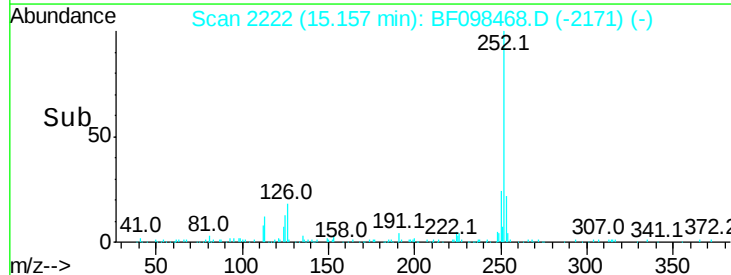
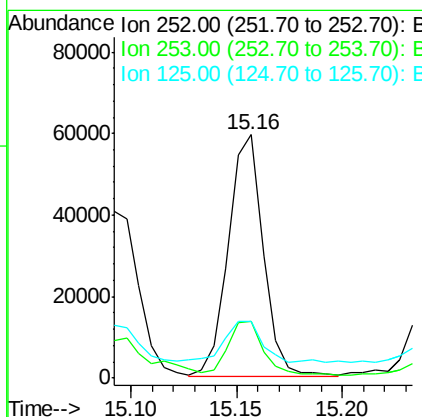
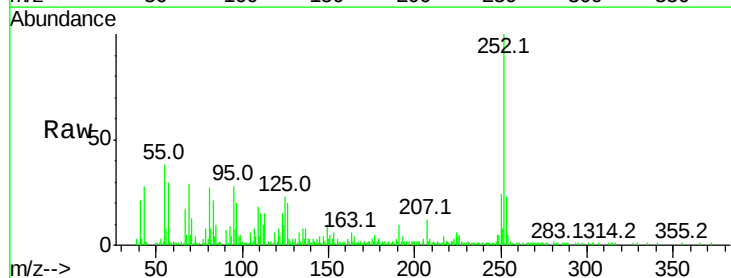
Instrument :
BNA_F
ClientSampleId :
RL-11-0-12.25

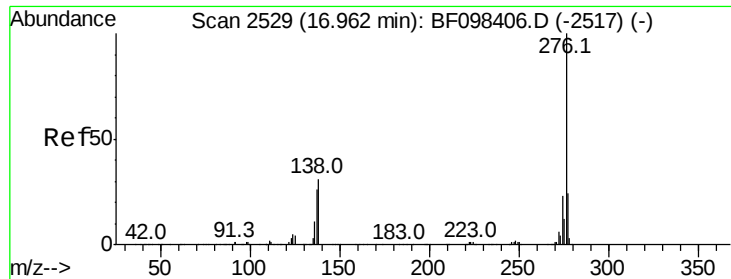
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	23.0	13.1	19.7



#89
Benzo(a)pyrene
Concen: 4.151 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.00 min
Lab File: BF098468.D
Acq: 12 Sep 2017 23:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	23.2	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 3.218 ng
 RT: 16.95 min Scan# 2527
 Delta R.T. -0.01 min
 Lab File: BF098468.D
 Acq: 12 Sep 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 RL-11-0-12.25

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	33.0	25.4	38.0

