

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102311.D
 Acq On : 22 Jan 2018 20:43
 Operator : SJ/JU
 Sample : J1116-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 00:10:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 22 13:38:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	131600	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	525708	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	210611	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	309124	20.00	ng	0.00
75) Chrysene-d12	13.87	240	266733	20.00	ng	0.00
86) Perylene-d12	15.29	264	218730	20.00	ng	0.00

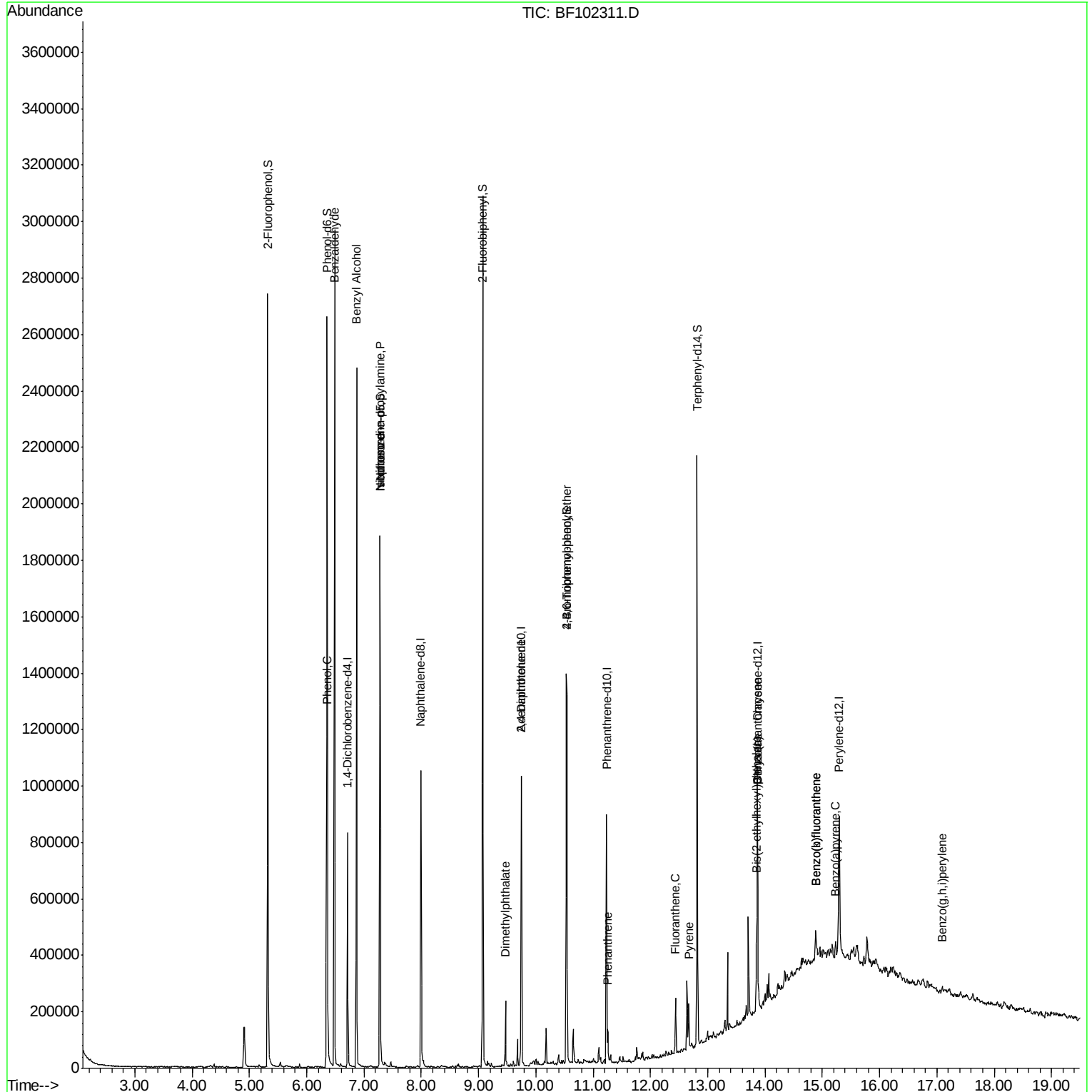
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	830352	95.67	ng	0.00
7) Phenol-d6	6.36	99	984002	94.04	ng	0.00
23) Nitrobenzene-d5	7.28	82	599529	65.54	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	164680	78.91	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	969815	67.71	ng	0.00
78) Terphenyl-d14	12.82	244	713234	60.28	ng	0.00

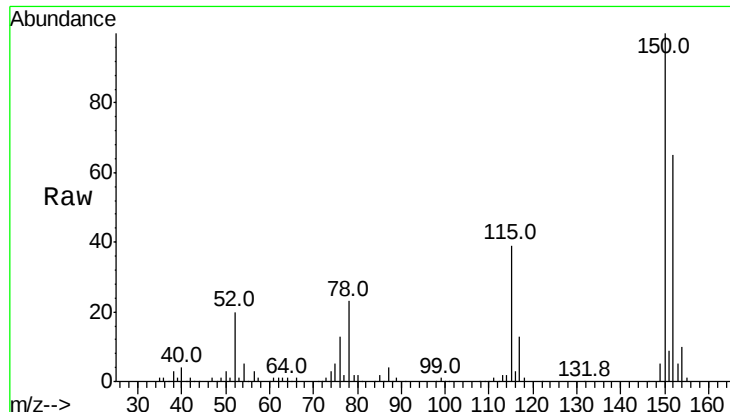
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	17047	2.370	ng	91
10) Phenol	6.37	94	22403	1.961	ng	94
15) Benzyl Alcohol	6.87	79	9793	1.326	ng	# 40
19) n-Nitroso-di-n-propylamine	7.28	70	77873	12.161	ng	# 78
25) Isophorone	7.28	82	590853	36.229	ng	# 64
49) Dimethylphthalate	9.47	163	89925	5.166	ng	98
56) 2,4-Dinitrotoluene	9.75	165	26814	5.810	ng	# 24
66) 4-Bromophenyl-phenylether	10.54	248	10573	3.177	ng	# 1
70) Phenanthrene	11.26	178	42039	2.334	ng	96
74) Fluoranthene	12.44	202	69721	3.796	ng	96
77) Pyrene	12.67	202	64378	3.122	ng	98
80) Benzo(a)anthracene	13.86	228	36649	2.232	ng	97
82) Chrysene	13.86	228	36649	2.198	ng	99
83) Bis(2-ethylhexyl)phthalate	13.85	149	42586	3.088	ng	99
87) Benzo(b)fluoranthene	14.89	252	52465	3.701	ng	# 89
88) Benzo(k)fluoranthene	14.89	252	52465	3.917	ng	# 92
89) Benzo(a)pyrene	15.23	252	24158	1.889	ng	# 78
91) Benzo(g,h,i)perylene	17.09	276	13157	1.287	ng	# 80

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

```
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Sample    : J1116-05  
Misc      :  
ALS Vial  : 16      Sample Multiplier: 1
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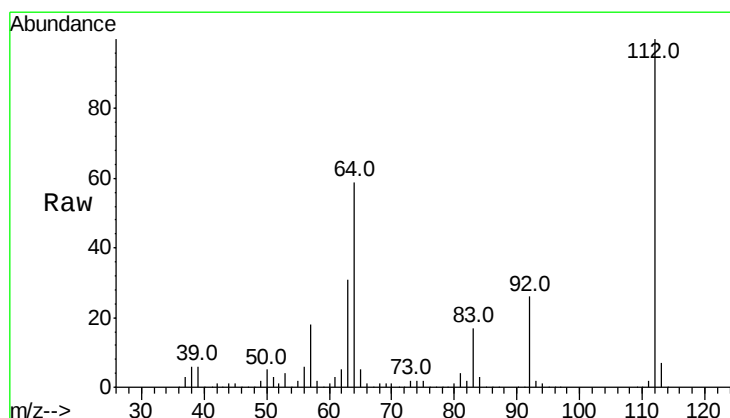
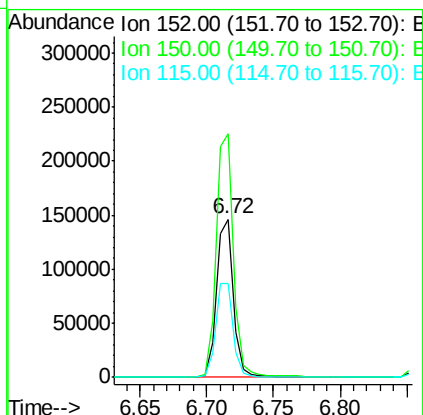
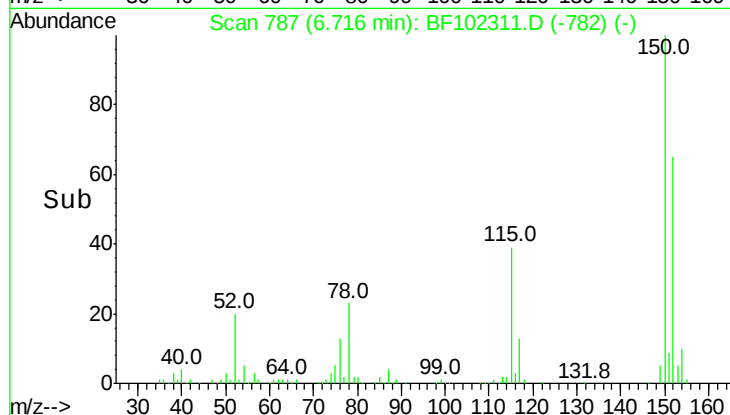




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

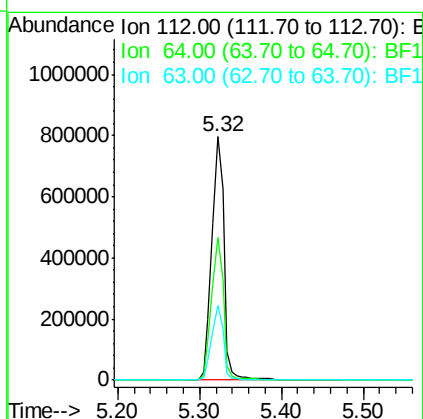
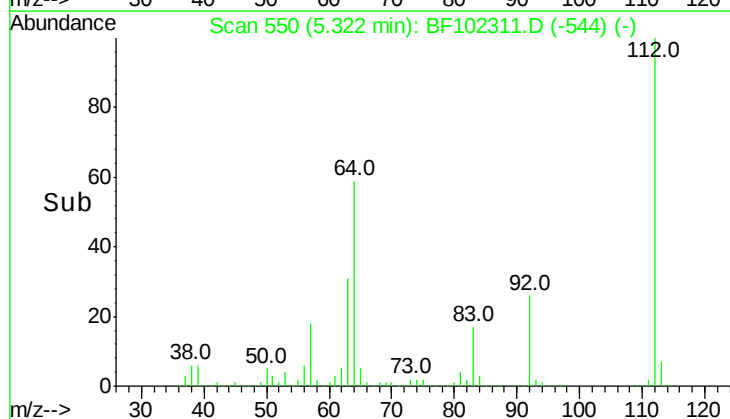
Instrument :
 BNA_F
 ClientSampleId :

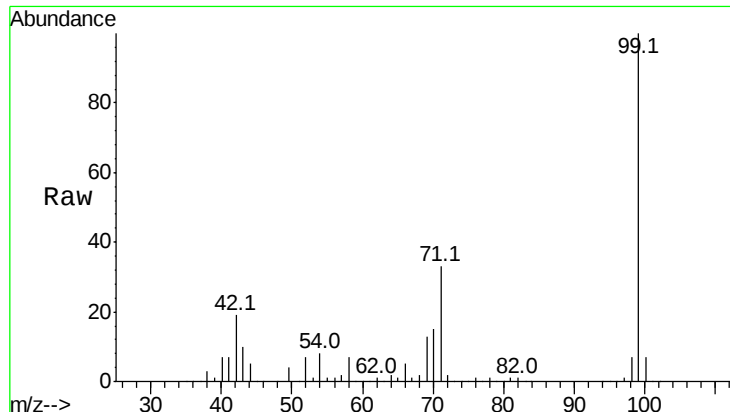
Tot Ion:152 Resp: 131600
 Ion Ratio Lower Upper
 152 100
 150 154.3 124.6 186.8
 115 59.7 50.1 75.1



#5
 2-Fluorophenol
 Concen: 95.671 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.00 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

Tgt Ion:112 Resp: 830352
 Ion Ratio Lower Upper
 112 100
 64 58.7 47.9 71.9
 63 30.7 23.7 35.5





#7

Phenol-d6

Concen: 94.040 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102311.D

Acq: 22 Jan 2018 20:43

Instrument :

BNA_F

ClientSampled :

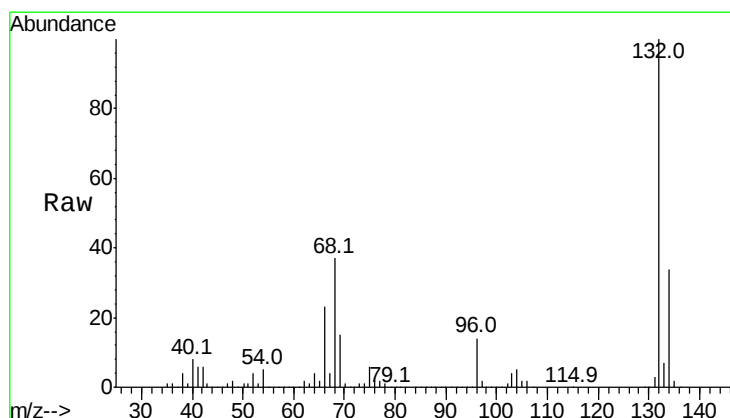
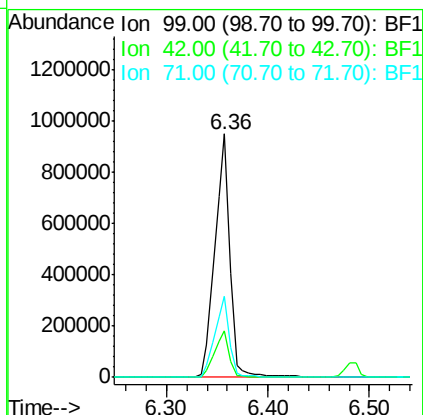
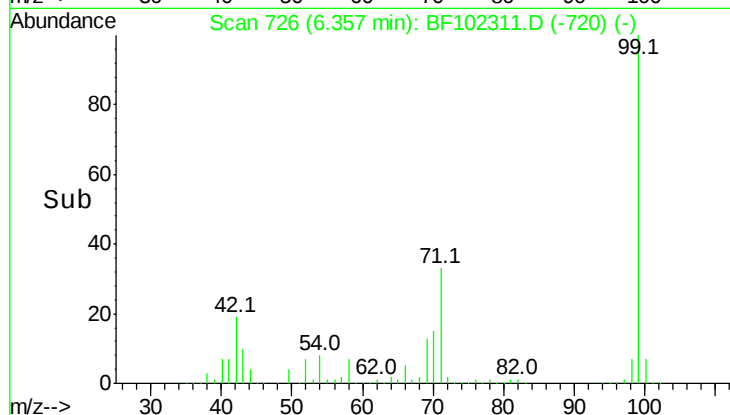
Tot Ion: 99 Resp: 984002

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

71 33.1 25.4 38.0



#9

Benzaldehyde

Concen: 2.370 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102311.D

Acq: 22 Jan 2018 20:43

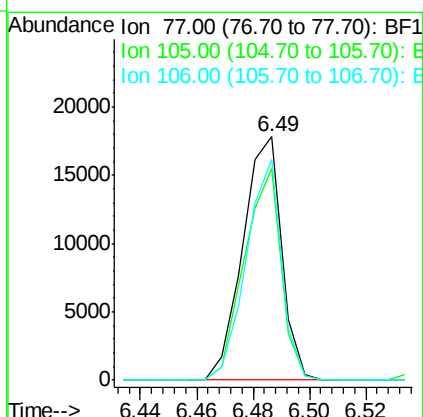
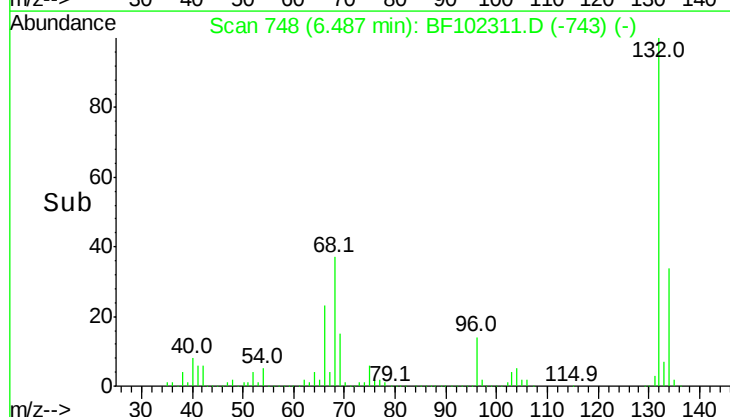
Tgt Ion: 77 Resp: 17047

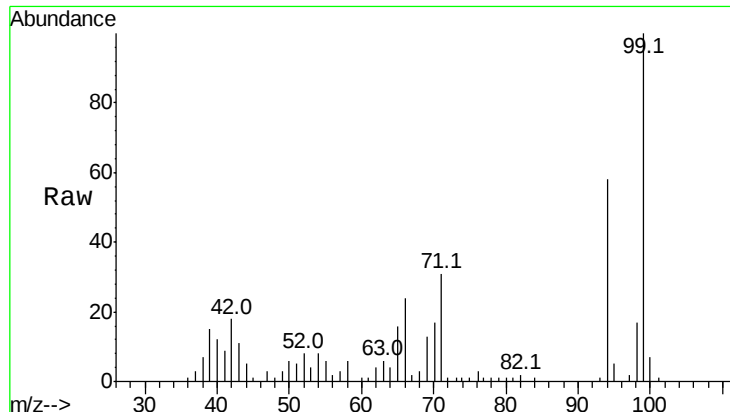
Ion Ratio Lower Upper

77 100

105 86.7 81.1 121.1

106 90.8 74.5 114.5

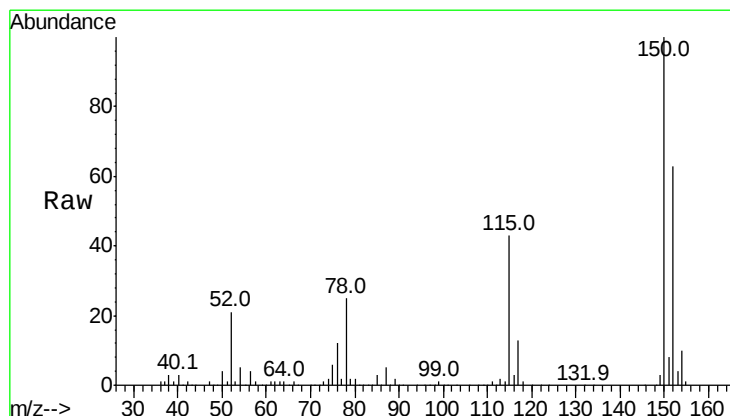
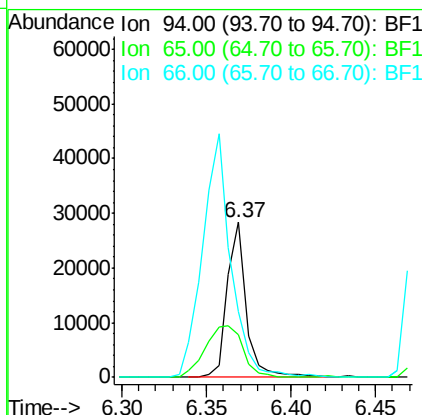
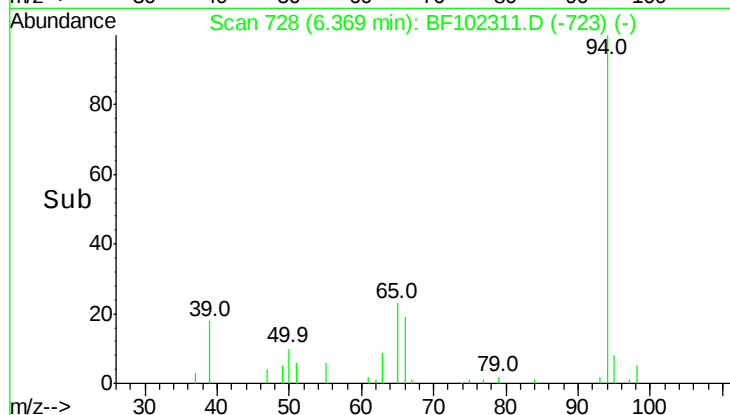




#10
 Phenol
 Concen: 1.961 ng
 RT: 6.37 min Scan# 728
 Delta R.T. -0.01 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

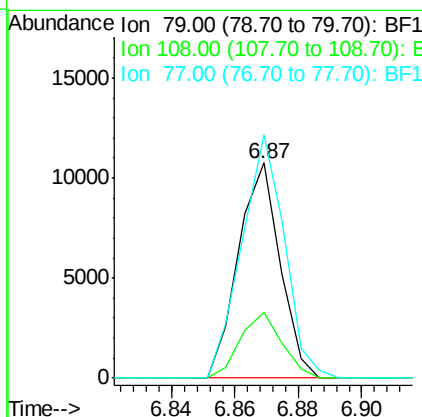
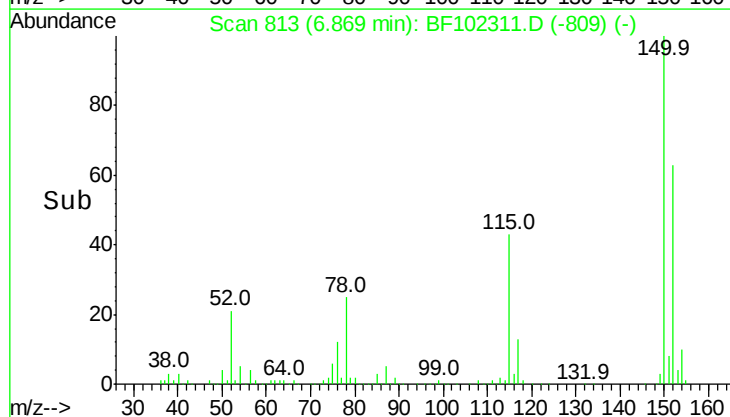
Instrument :
 BNA_F
 ClientSampled :

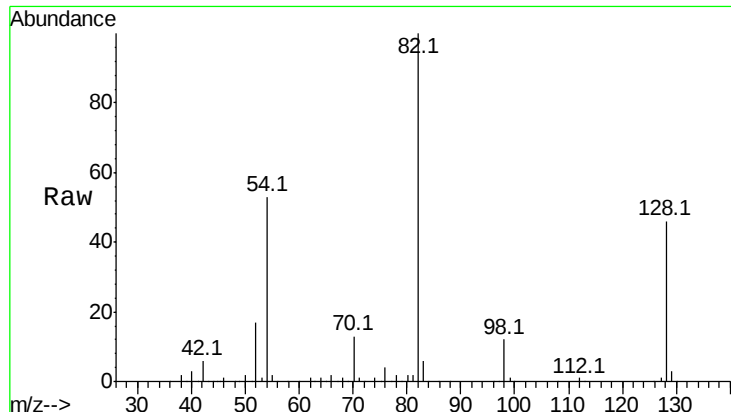
Tot Ion: 94 Resp: 22403
 Ion Ratio Lower Upper
 94 100
 65 27.9 7.9 47.9
 66 42.0 16.2 56.2



#15
 Benzyl Alcohol
 Concen: 1.326 ng
 RT: 6.87 min Scan# 813
 Delta R.T. 0.01 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

Tgt Ion: 79 Resp: 9793
 Ion Ratio Lower Upper
 79 100
 108 30.6 65.1 97.7#
 77 113.0 50.6 75.8#

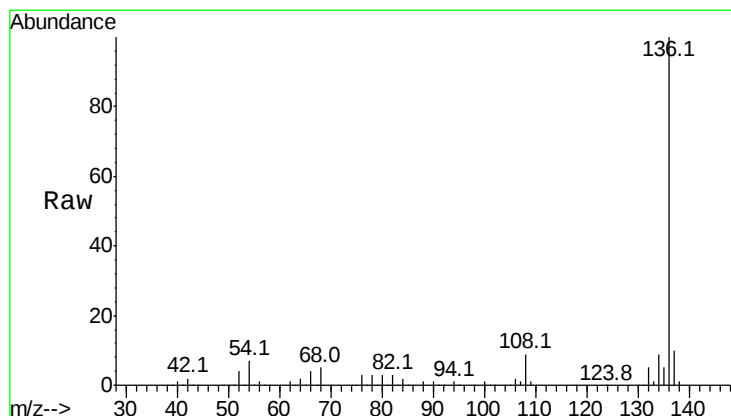
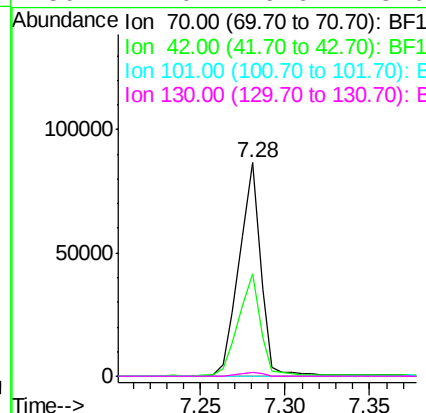
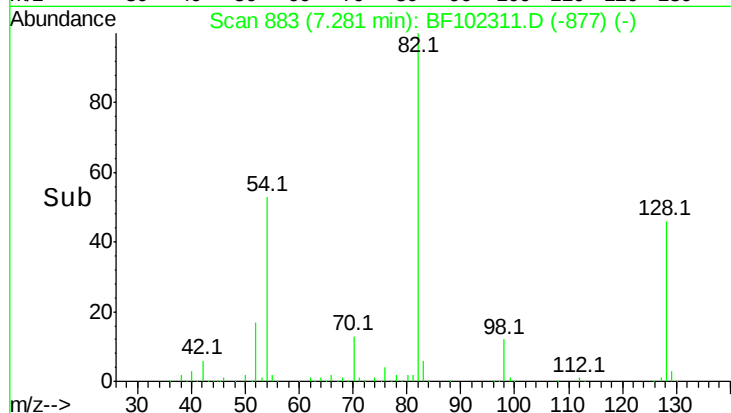




#19
 n-Nitroso-di-n-propylamine
 Concen: 12.161 ng
 RT: 7.28 min Scan# 883
 Delta R.T. 0.14 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

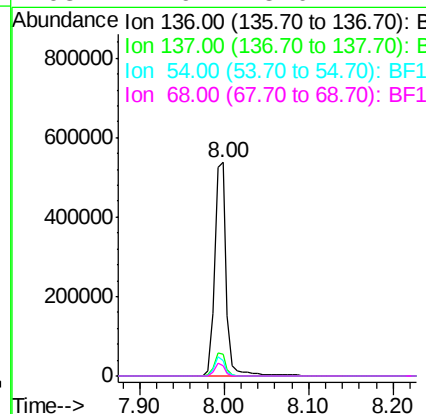
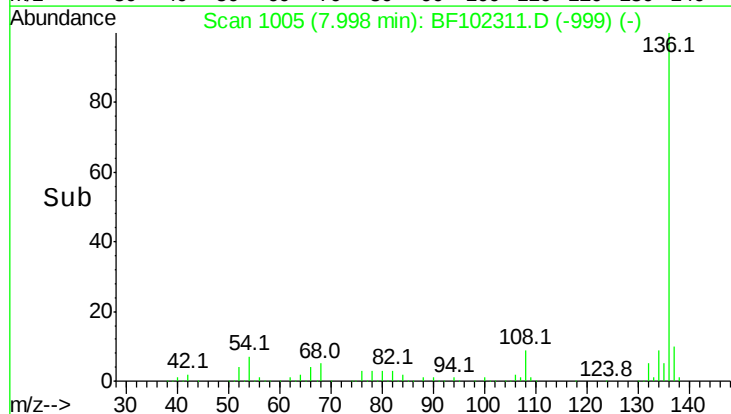
Instrument :
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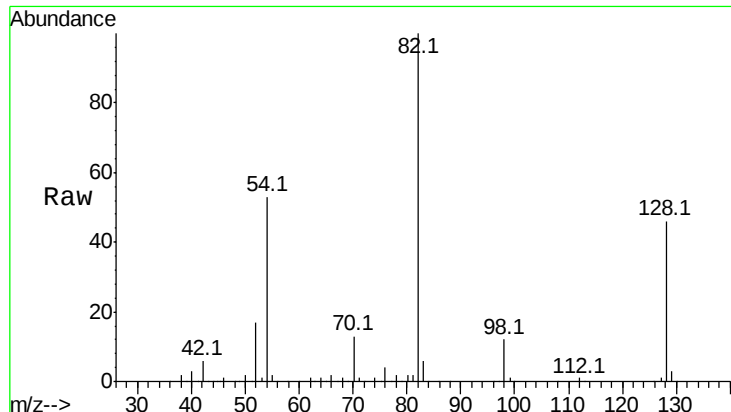
Tot Ion:	70	Resp:	77873
Ion	Ratio	Lower	Upper
70	100		
42	48.1	47.5	71.3
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.00 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

Tgt Ion:	136	Resp:	525708
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.9	13.3
54	7.3	6.6	9.8
68	4.9	5.0	7.4#

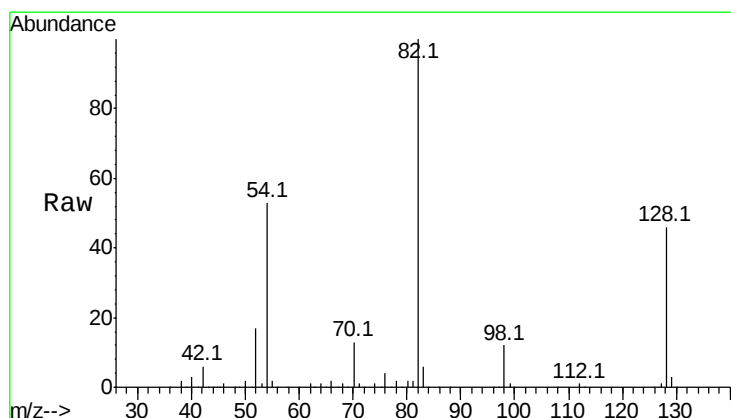
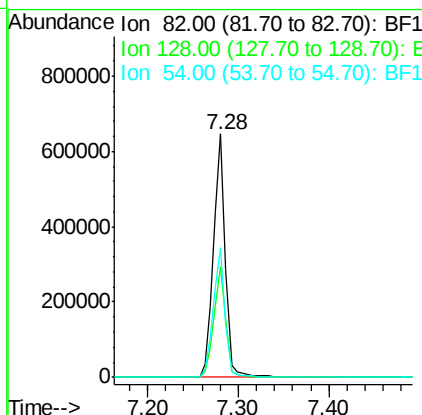
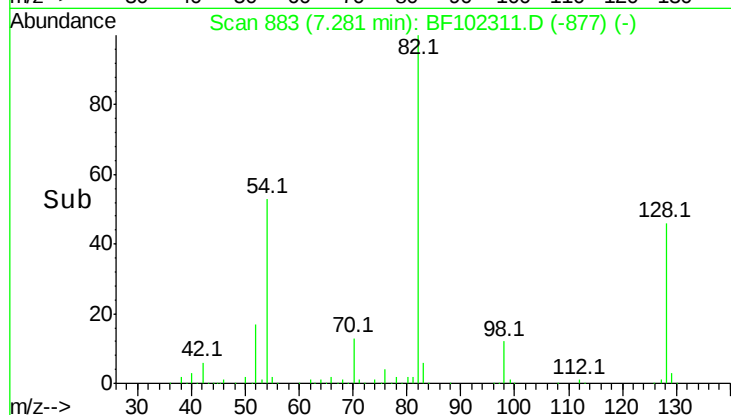




#23
 Nitrobenzene-d5
 Concen: 65.537 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

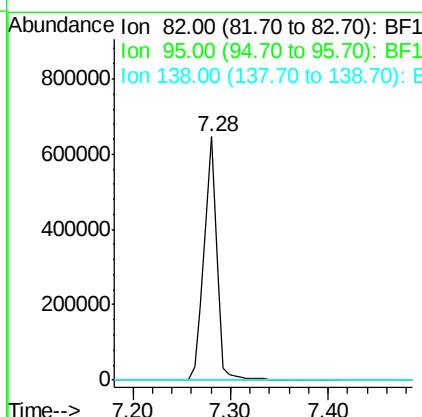
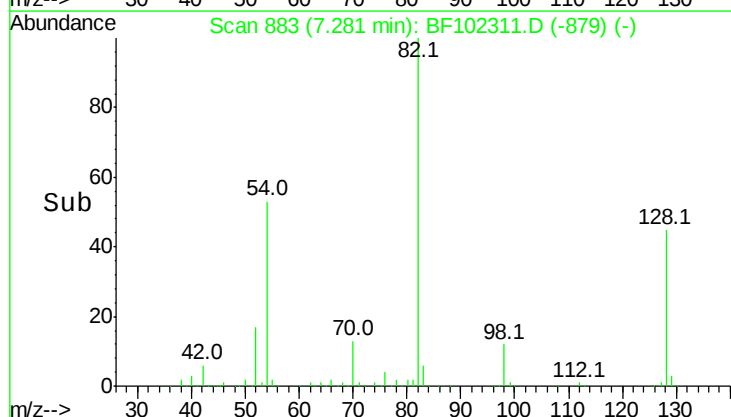
Instrument :
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 ClientSampleId :

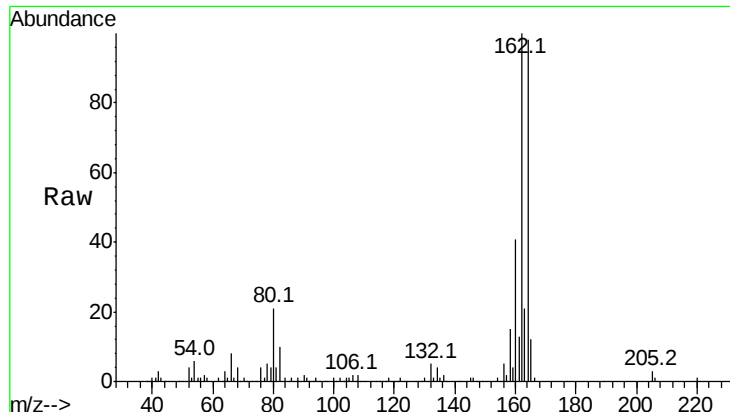
Tot Ion:	82	Resp:	599529
Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.1	54.1
54	53.1	41.4	62.2



#25
 Isophorone
 Concen: 36.229 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

Tgt Ion:	82	Resp:	590853
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

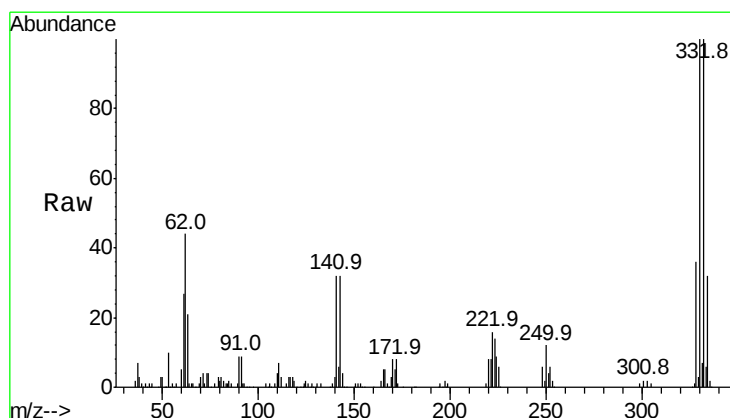
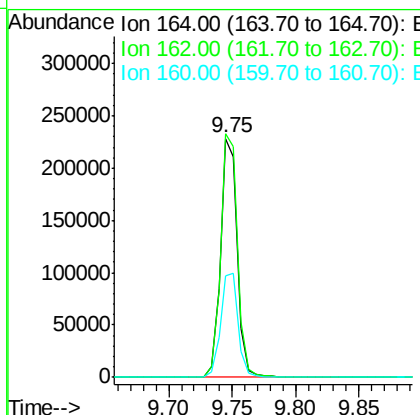
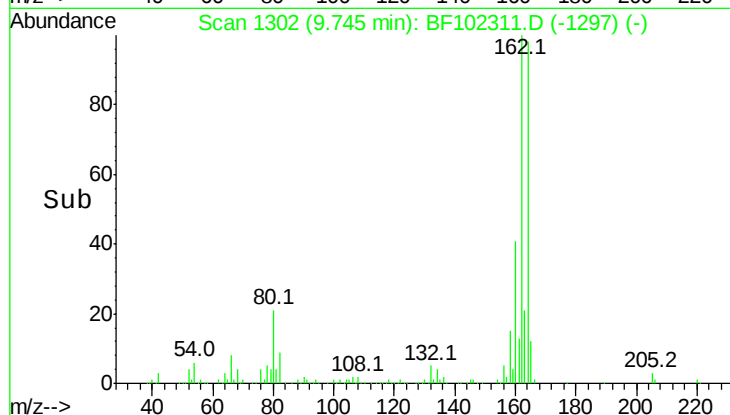




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

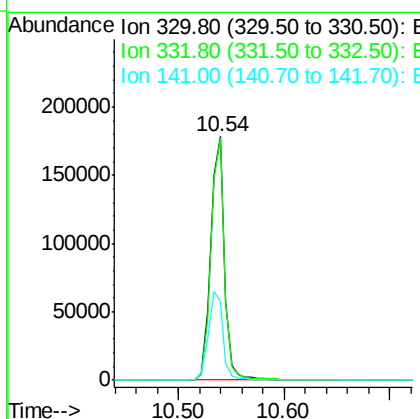
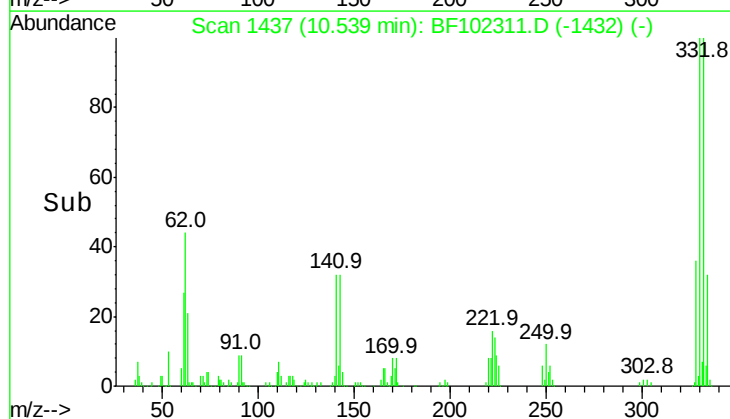
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 ClientSampleId :

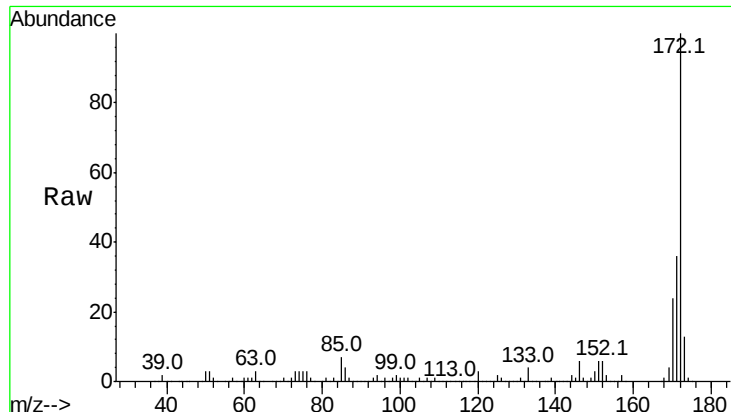
Tot Ion:164 Resp: 210611
 Ion Ratio Lower Upper
 164 100
 162 102.0 86.1 129.1
 160 42.3 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 78.913 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

Tgt Ion:330 Resp: 164680
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 38.2 29.9 44.9

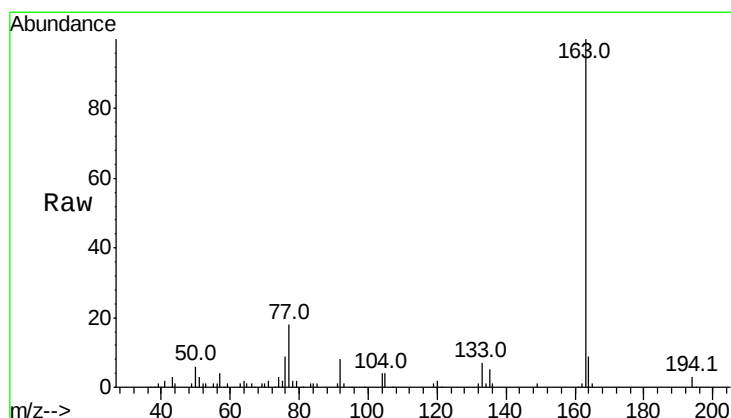
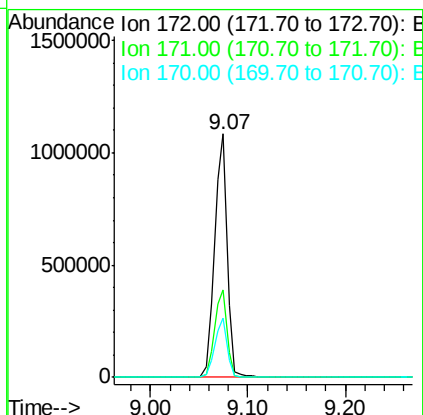
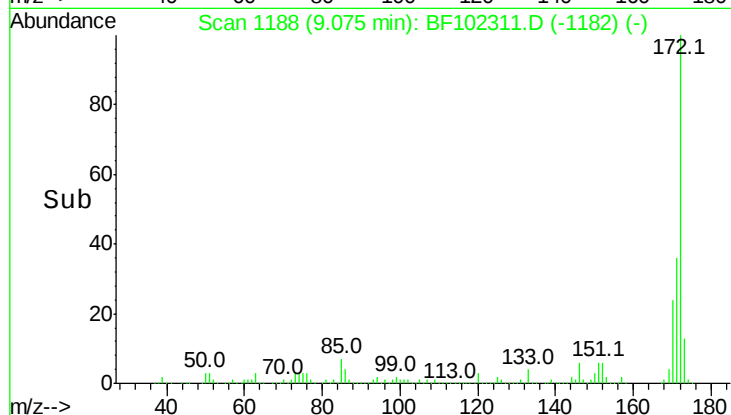




#44
 2-Fluorobiphenyl
 Concen: 67.706 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

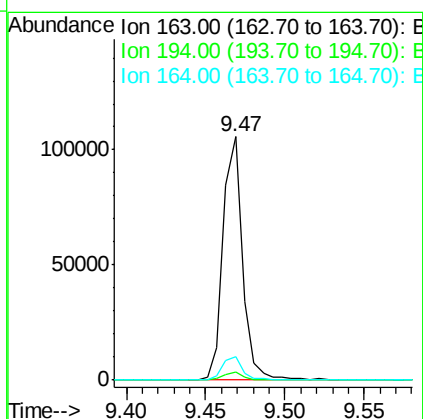
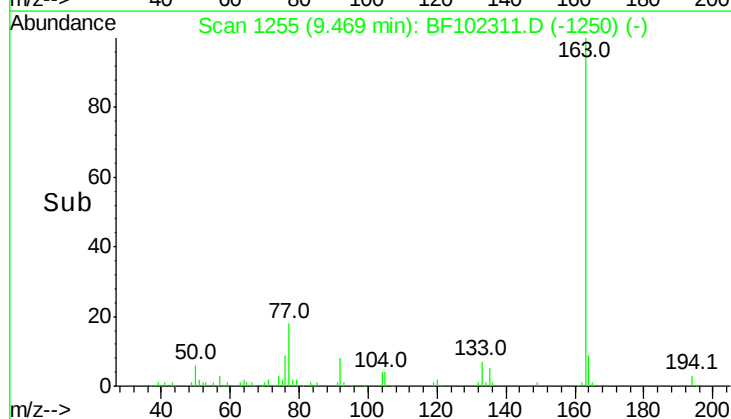
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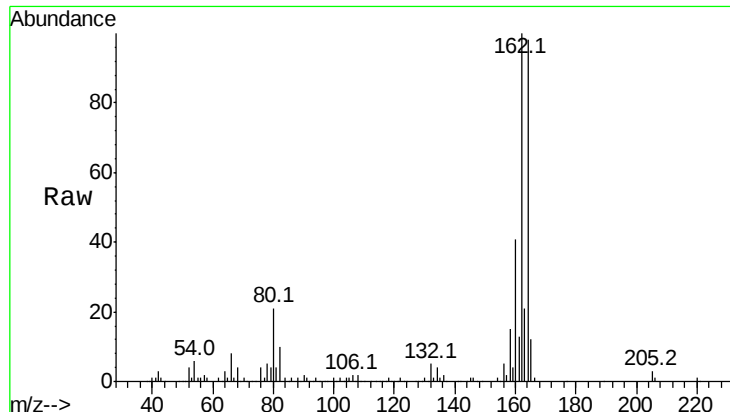
Tot Ion:172 Resp: 969815
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.4 19.6 29.4



#49
 Dimethylphthalate
 Concen: 5.166 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

Tgt Ion:163 Resp: 89925
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.7 4.1
 164 9.4 8.2 12.2

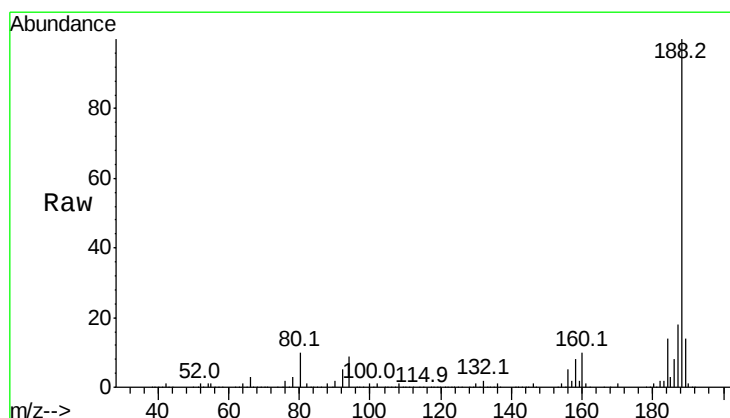
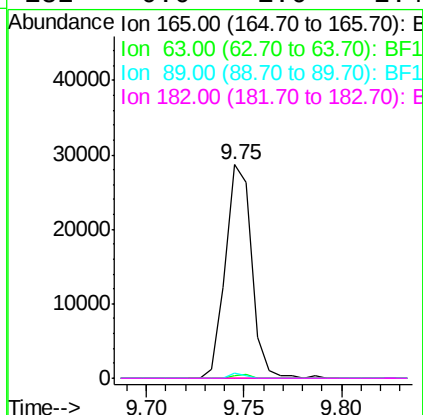
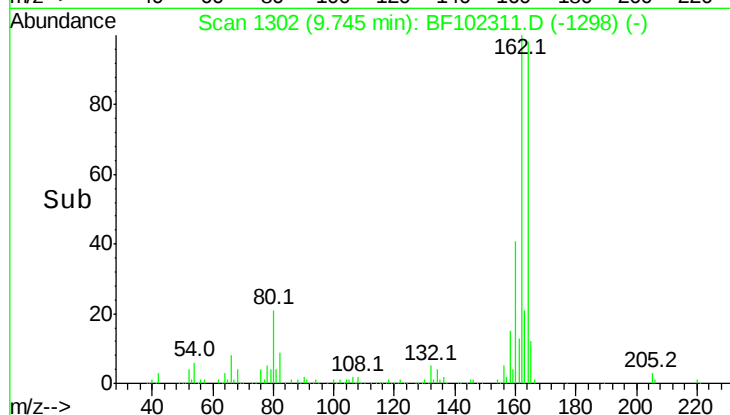




#56
 2,4-Dinitrotoluene
 Concen: 5.810 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

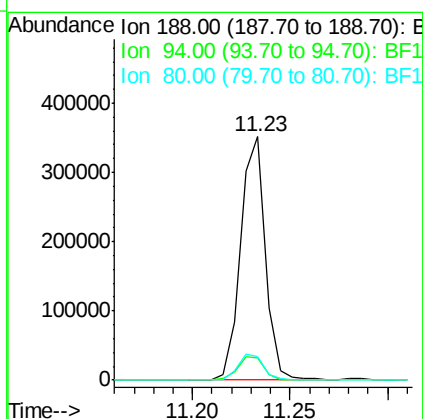
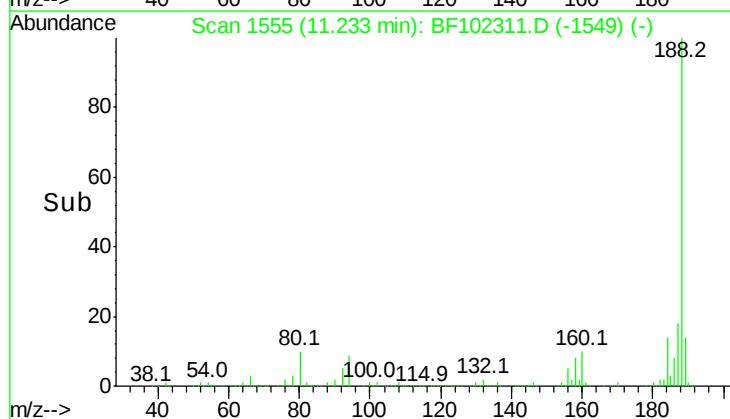
Instrument :
 BNA_F
 ClientSampleId :

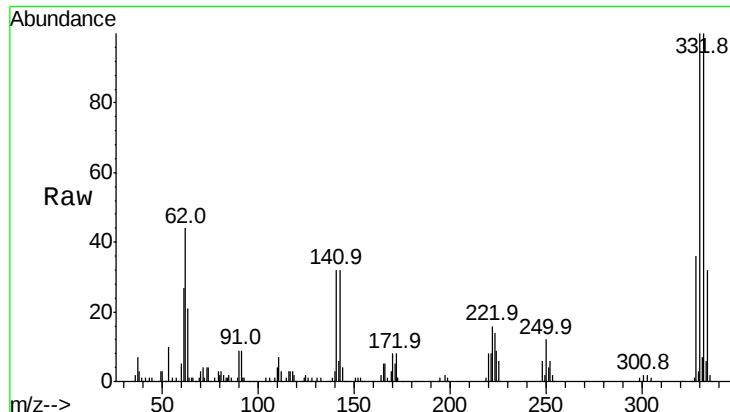
Tot Ion:	165	Resp:	26814
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

Tgt Ion:	188	Resp:	309124
Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.5	12.7
80	9.5	9.2	13.8





#66

4-Bromophenyl-phenylether

Concen: 3.177 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.24 min

Lab File: BF102311.D

Acq: 22 Jan 2018 20:43

Instrument :

BNA_F

ClientSampled :

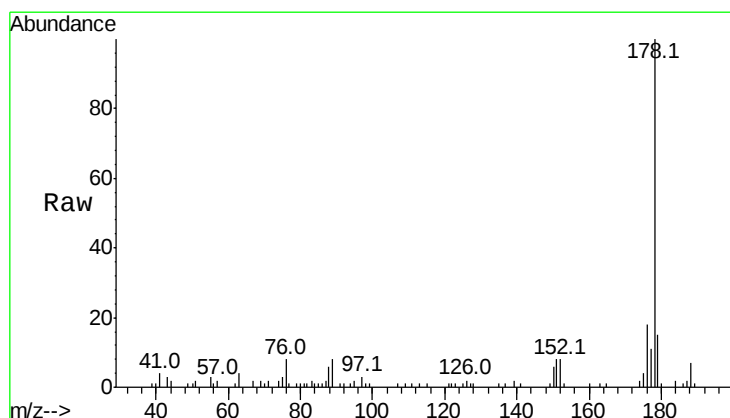
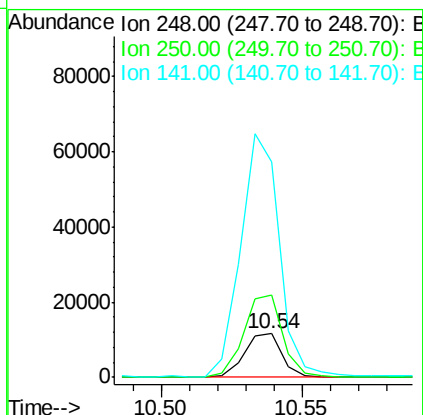
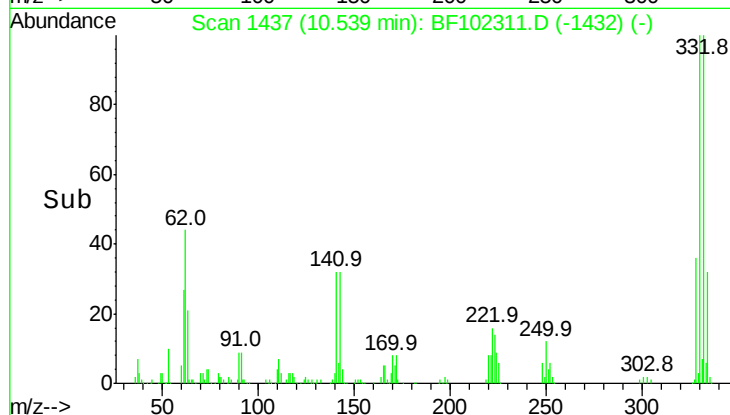
Tot Ion:248 Resp: 10573

Ion Ratio Lower Upper

248 100

250 189.4 76.9 115.3#

141 496.8 74.4 111.6#



#70

Phenanthrene

Concen: 2.334 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102311.D

Acq: 22 Jan 2018 20:43

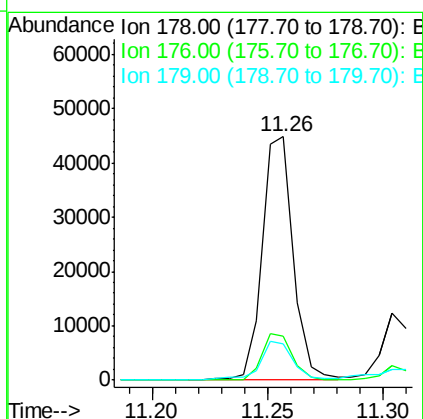
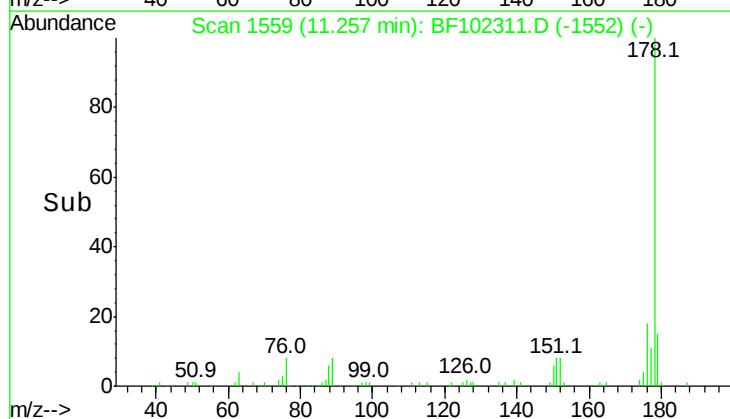
Tgt Ion:178 Resp: 42039

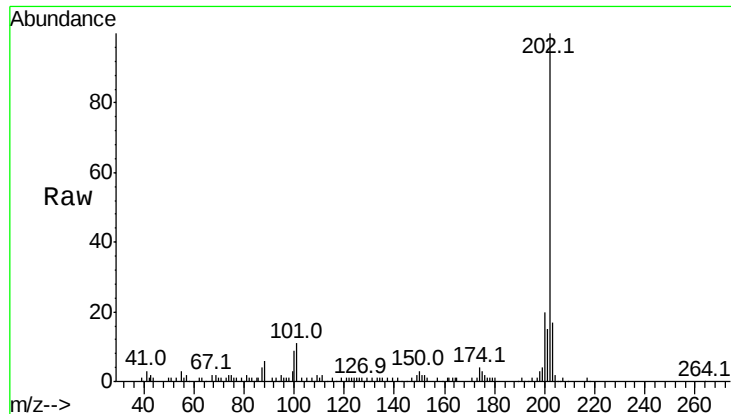
Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.8

179 14.7 13.0 19.6

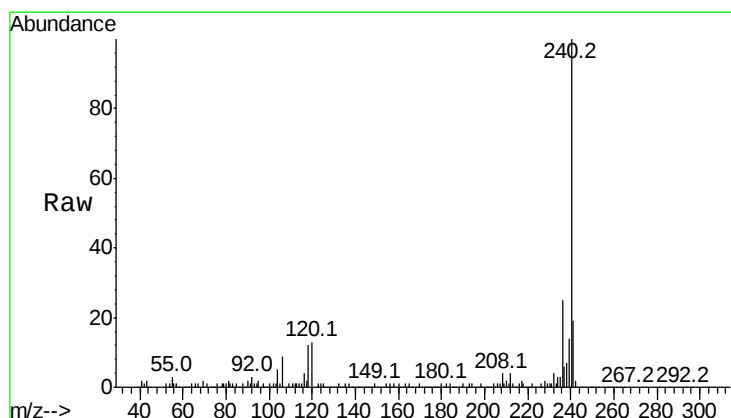
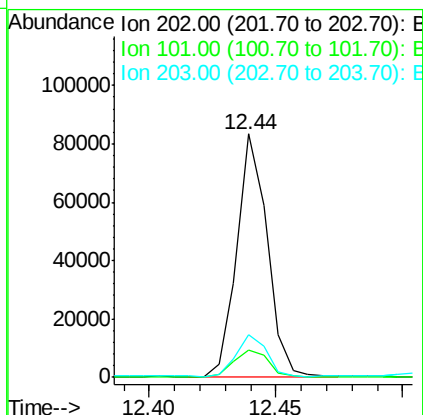
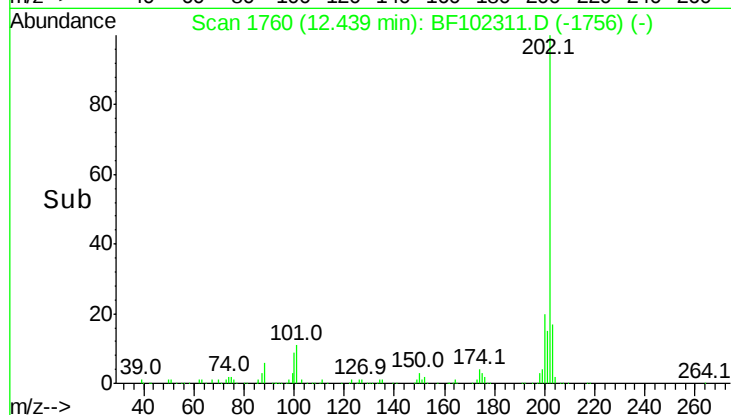




#74
 Fluoranthene
 Concen: 3.796 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

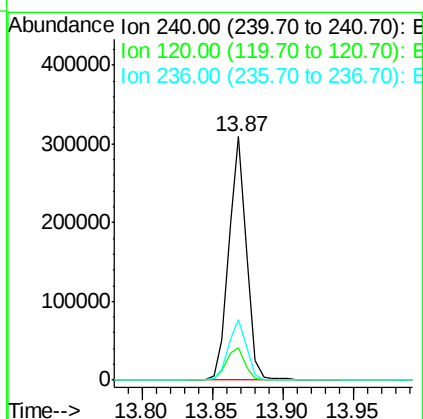
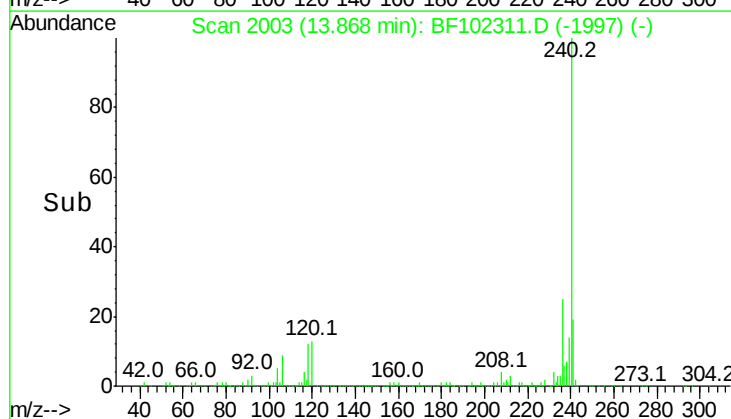
Instrument :
 BNA_F
 ClientSampleId :

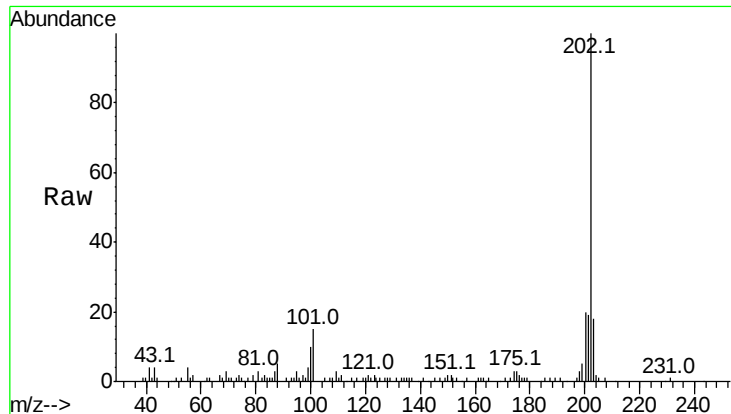
Tot Ion:202 Resp: 69721
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 34.1
 203 17.3 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.01 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

Tgt Ion:240 Resp: 266733
 Ion Ratio Lower Upper
 240 100
 120 13.3 9.5 14.3
 236 24.9 20.7 31.1

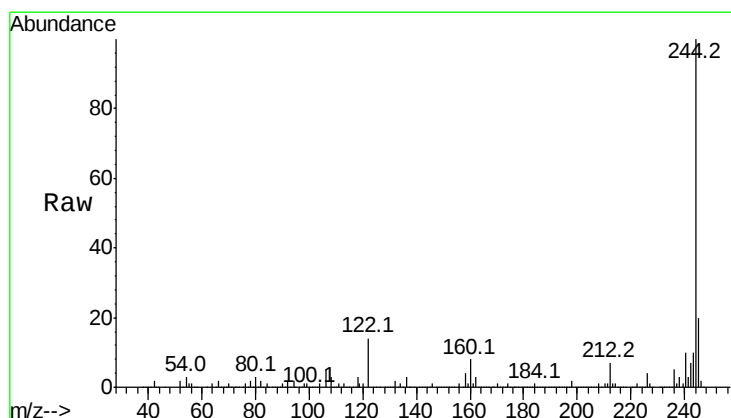
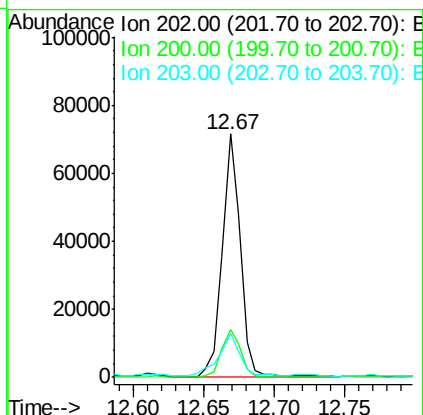
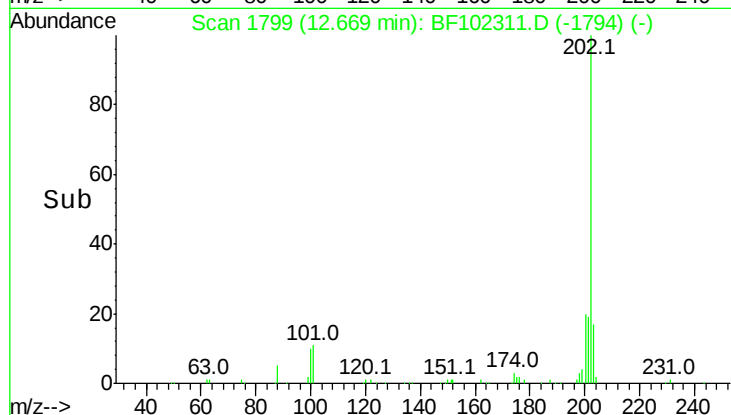




#77
 Pvrene
 Concen: 3.122 ng
 RT: 12.67 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

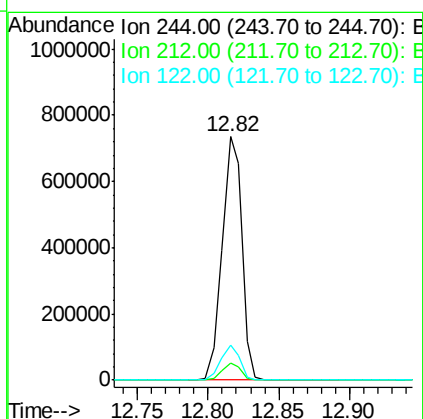
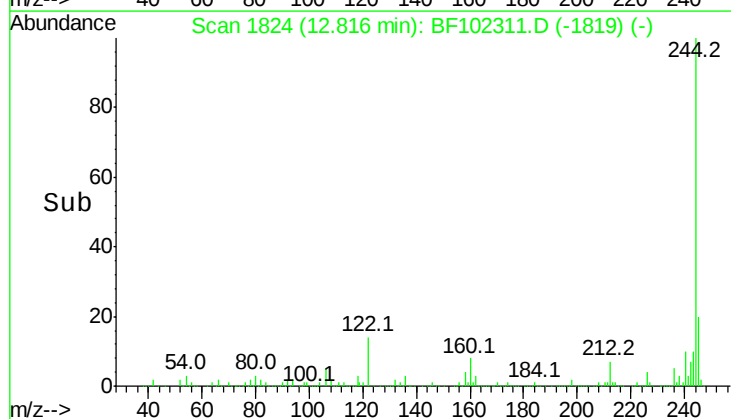
Instrument :
 BNA_F
 ClientSampleId :

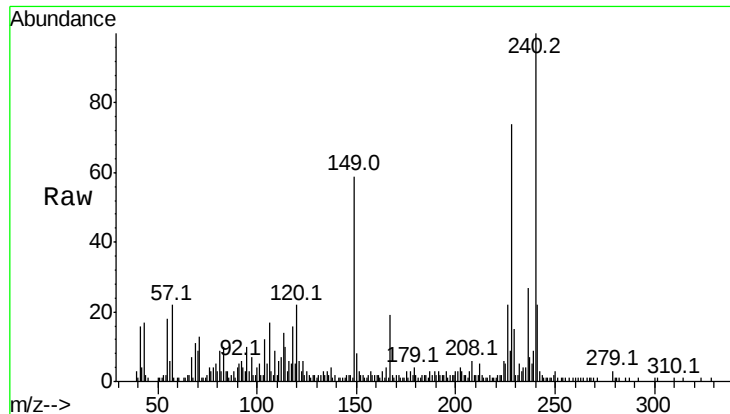
Tot Ion:202 Resp: 64378
 Ion Ratio Lower Upper
 202 100
 200 19.8 17.4 26.2
 203 17.9 14.3 21.5



#78
 Terphenyl-d14
 Concen: 60.281 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

Tgt Ion:244 Resp: 713234
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 14.5 11.0 16.4

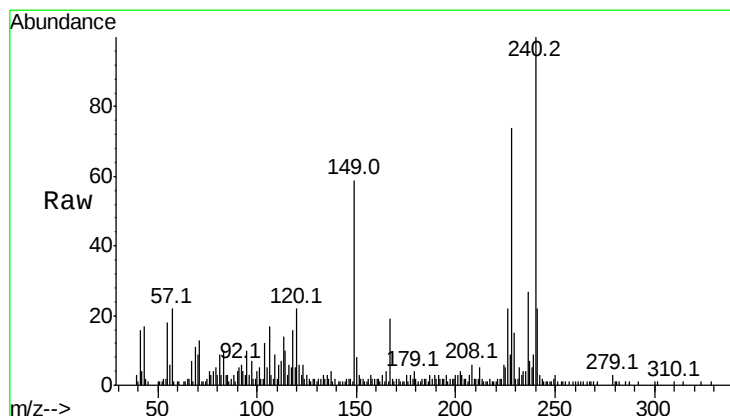
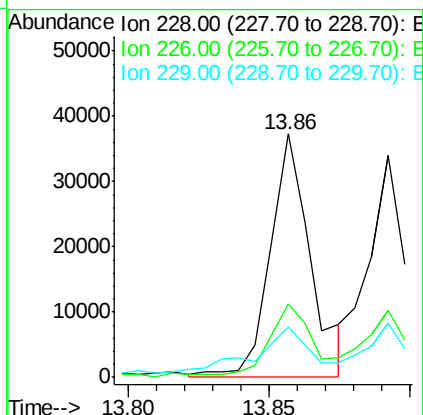
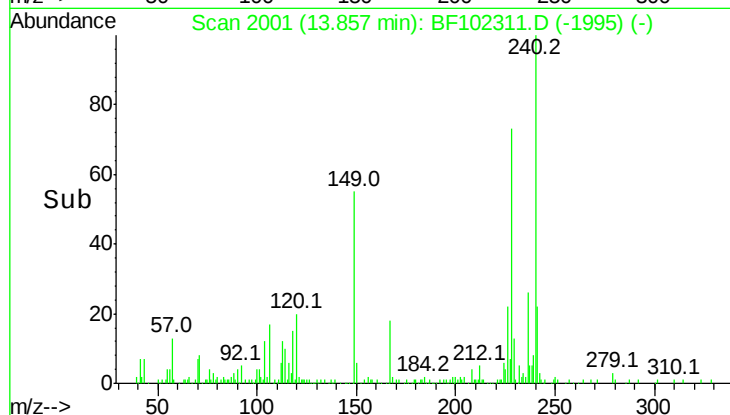




#80
Benzo(a)anthracene
Concen: 2.232 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF102311.D
Acq: 22 Jan 2018 20:43

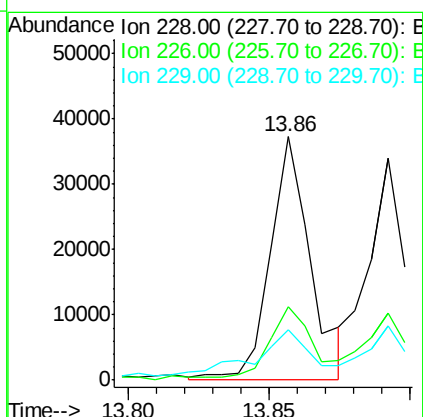
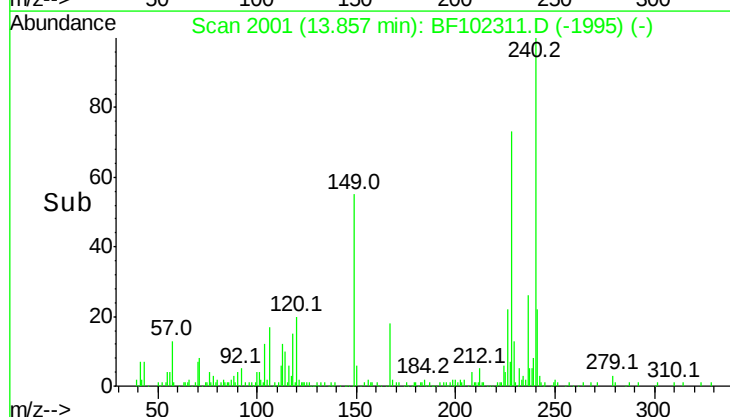
Instrument :
BNA_F
ClientSampled :

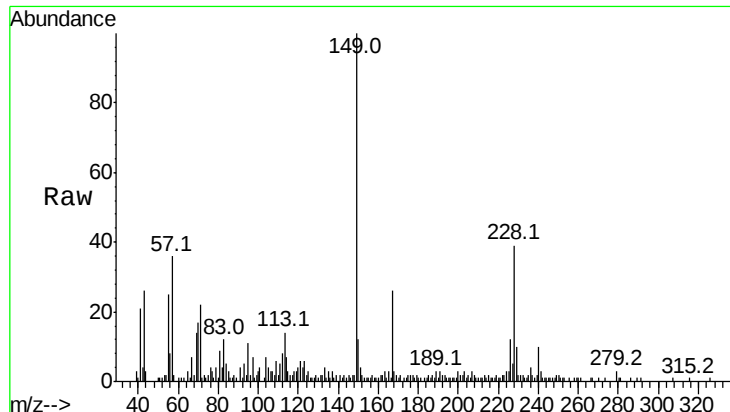
Tot Ion:228 Resp: 36649
Ion Ratio Lower Upper
228 100
226 30.4 22.6 33.8
229 20.5 15.8 23.6



#82
Chrysene
Concen: 2.198 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.05 min
Lab File: BF102311.D
Acq: 22 Jan 2018 20:43

Tgt Ion:228 Resp: 36649
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 20.5 16.2 24.4

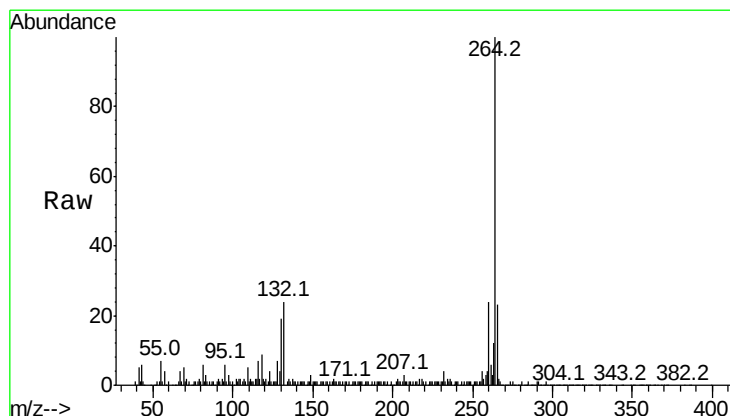
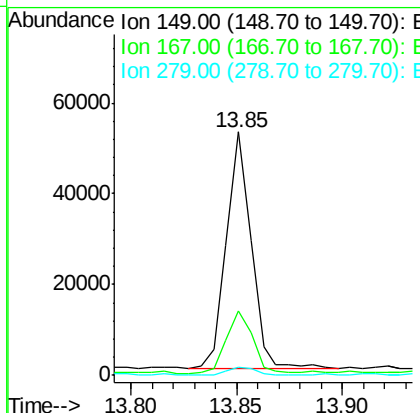
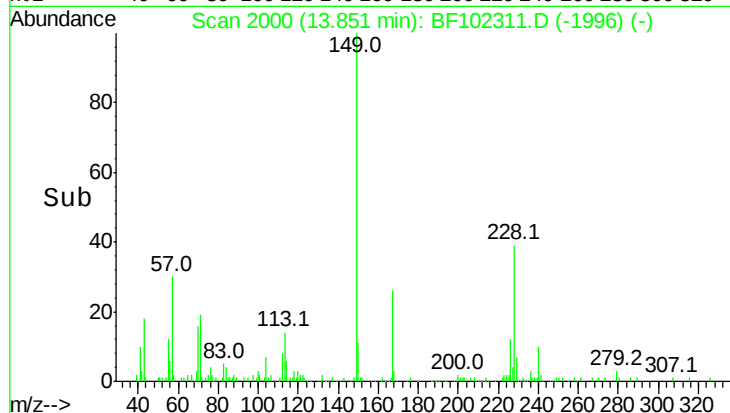




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.088 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.00 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

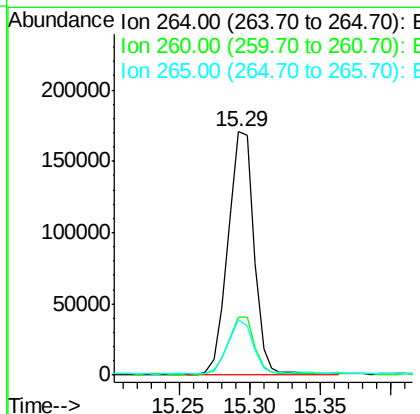
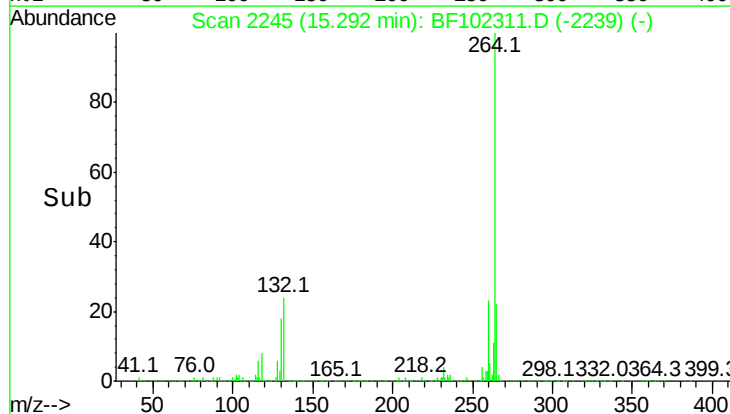
Instrument :
 BNA_F
 ClientSampleId :

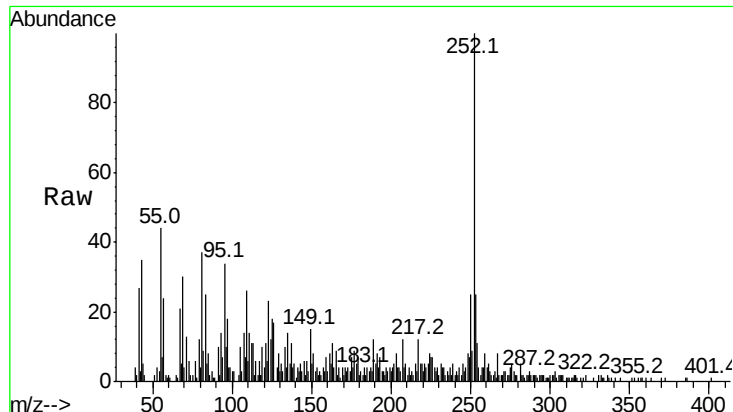
Tot Ion:	149	Resp:	42586
Ion Ratio	Lower	Upper	
149	100		
167	26.3	21.3	31.9
279	3.1	3.0	4.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: BF102311.D
 Acq: 22 Jan 2018 20:43

Tgt Ion:	264	Resp:	218730
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.2	28.8
265	22.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 3.701 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BF102311.D

Acq: 22 Jan 2018 20:43

Instrument :

BNA_F

ClientSampled :

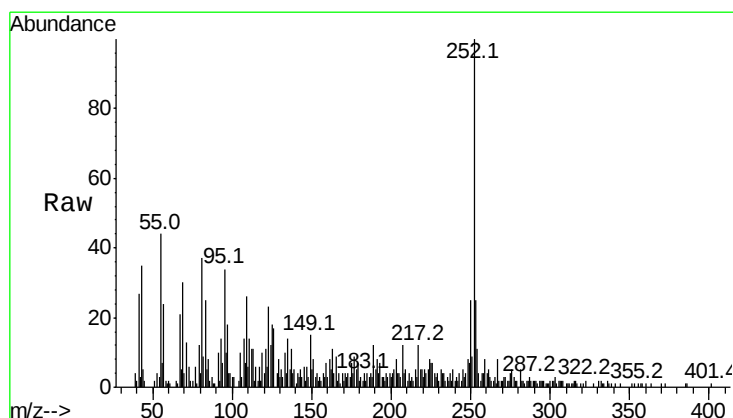
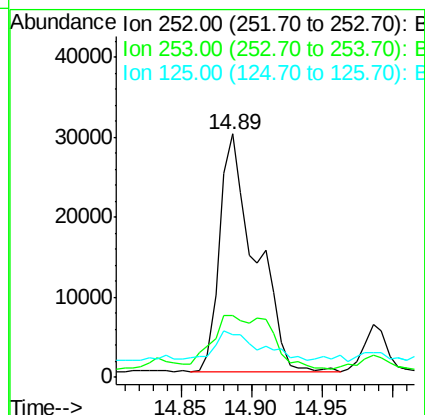
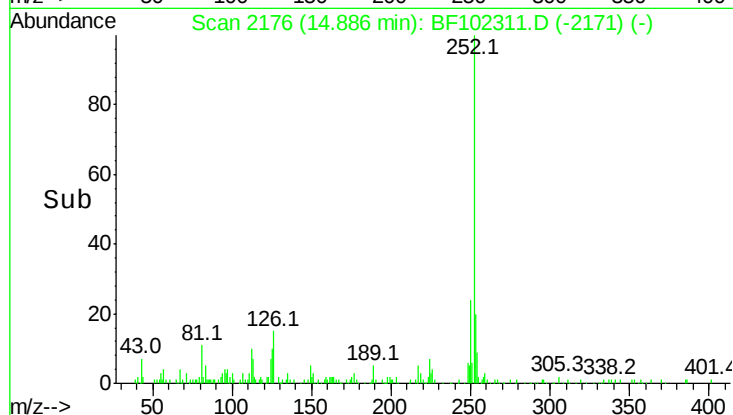
Tot Ion:252 Resp: 52465

Ion Ratio Lower Upper

252 100

253 25.4 17.0 25.6

125 17.6 9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 3.917 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.04 min

Lab File: BF102311.D

Acq: 22 Jan 2018 20:43

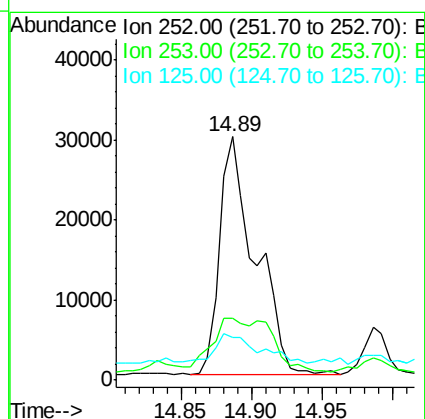
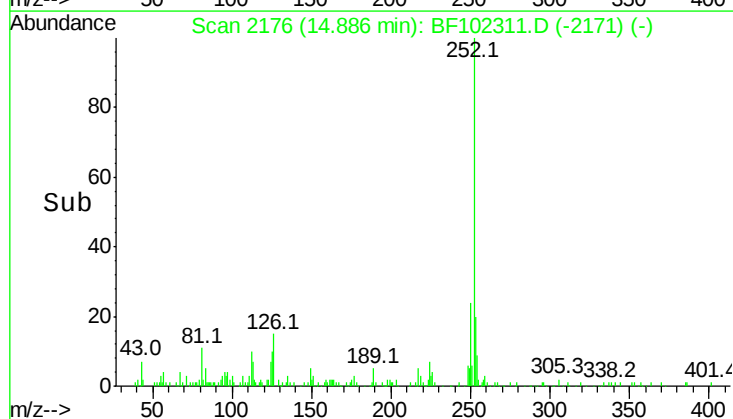
Tgt Ion:252 Resp: 52465

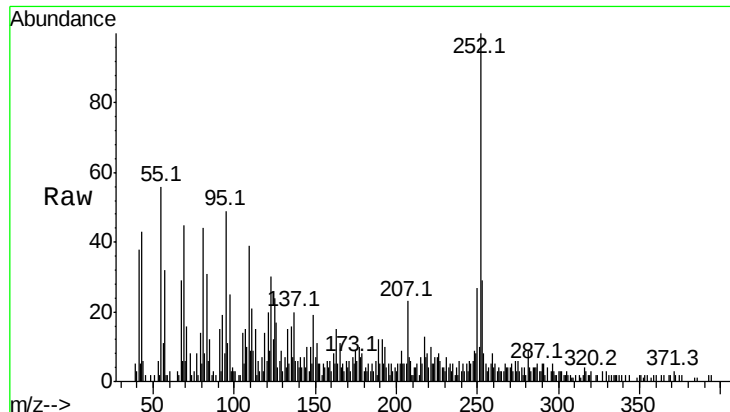
Ion Ratio Lower Upper

252 100

253 25.4 17.9 26.9

125 17.6 10.2 15.2#

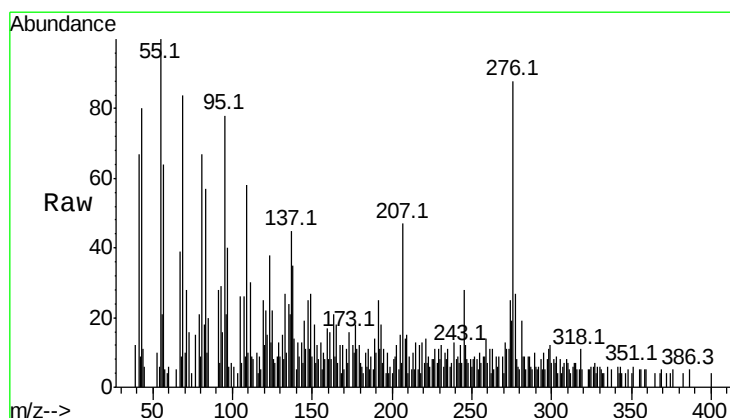
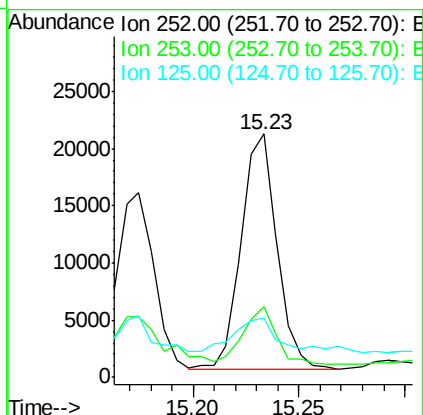
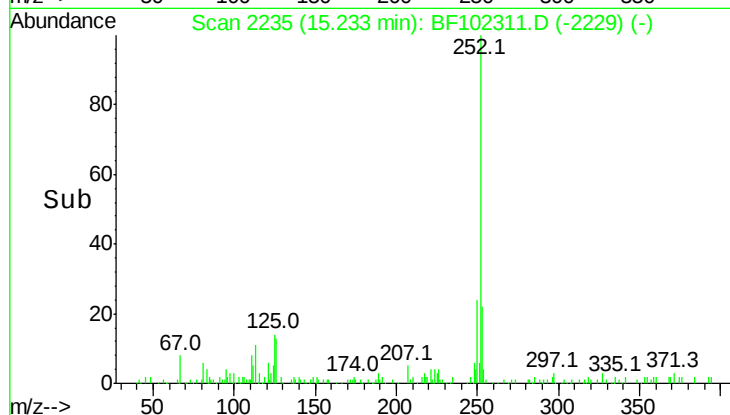




#89
Benzo(a)pyrene
Concen: 1.889 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF102311.D
Acq: 22 Jan 2018 20:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 24158
Ion Ratio Lower Upper
252 100
253 29.2 17.1 25.7#
125 24.3 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 1.287 ng
RT: 17.09 min Scan# 2551
Delta R.T. -0.01 min
Lab File: BF102311.D
Acq: 22 Jan 2018 20:43

Tgt Ion:276 Resp: 13157
Ion Ratio Lower Upper
276 100
277 30.6 17.9 26.9#
138 39.4 21.8 32.8#

