

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110818\
 Data File : BF110602.D
 Acq On : 8 Nov 2018 23:08
 Operator : JU/SJ
 Sample : J5838-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 08:43:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 08 14:14:47 2018
 Response via : Initial Calibration

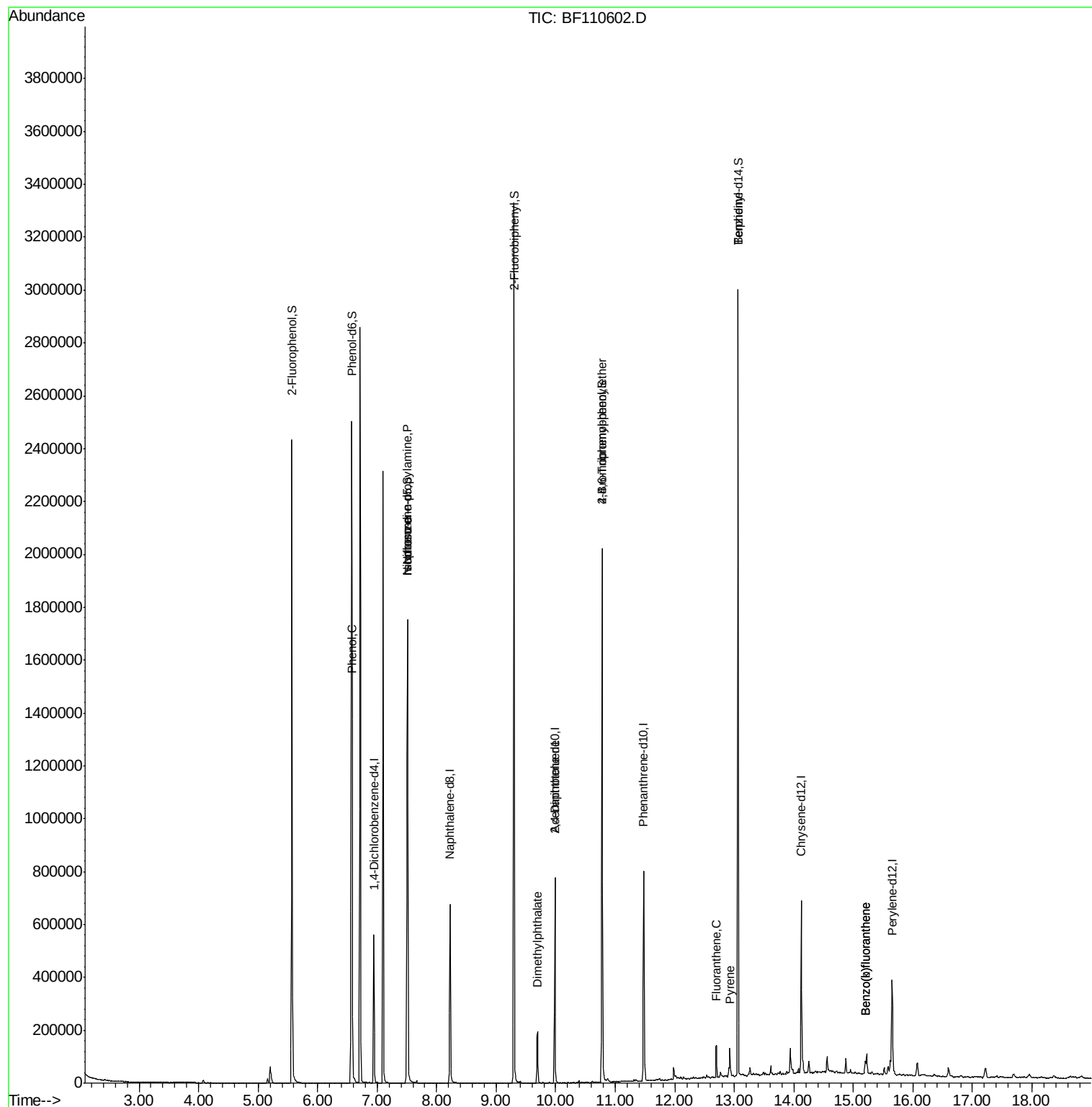
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	87370	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	350824	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	167576	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	322506	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	207987	20.00	ng	-0.01
87) Perylene-d12	15.65	264	173091	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	777079	144.47	ng	0.00
7) Phenol-d6	6.57	99	997057	144.96	ng	0.00
23) Nitrobenzene-d5	7.51	82	640019	105.06	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	239733	141.98	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	1123861	95.78	ng	0.00
79) Terphenyl-d14	13.06	244	1074165	96.72	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	1894	Below Cal	#	1
10) Phenol	6.59	94	47954	6.01 ng	#	63
19) n-Nitroso-di-n-propylamine	7.51	70	84874	19.33 ng	#	79
25) Isophorone	7.51	82	640016	64.10 ng	#	67
50) Dimethylphthalate	9.69	163	89259	7.14 ng		100
57) 2,4-Dinitrotoluene	9.98	165	21027	5.88 ng	#	19
67) 4-Bromophenyl-phenylether	10.78	248	15431	4.33 ng	#	1
75) Fluoranthene	12.70	202	53621	3.10 ng		98
77) Benzidine	13.06	184	14785	2.58 ng		96
78) Pyrene	12.93	202	42658	2.66 ng		98
88) Benzo(b)fluoranthene	15.20	252	34196	3.30 ng	#	96
89) Benzo(k)fluoranthene	15.20	252	34196	3.34 ng	#	95

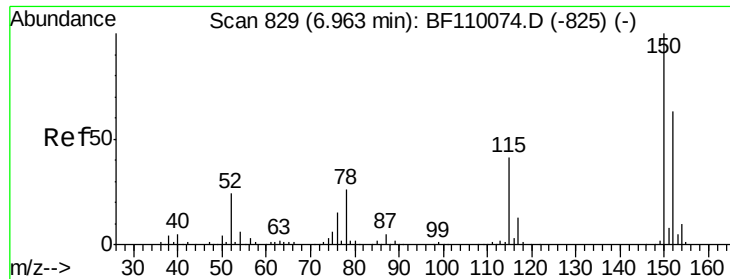
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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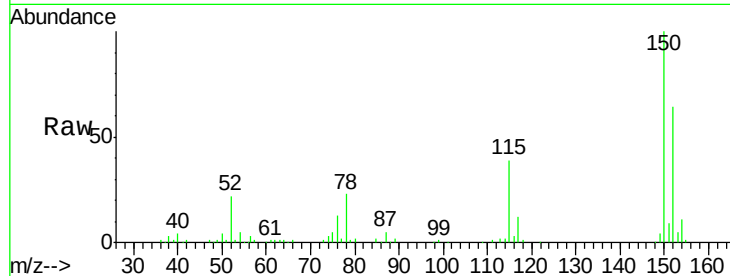


#1

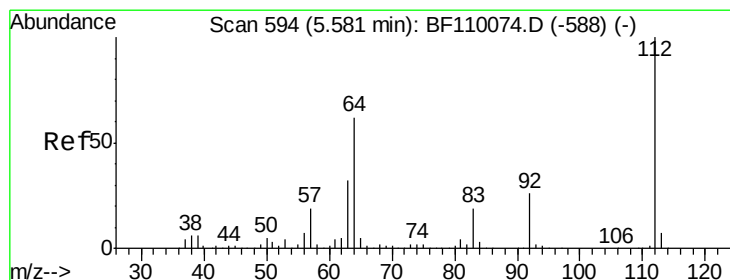
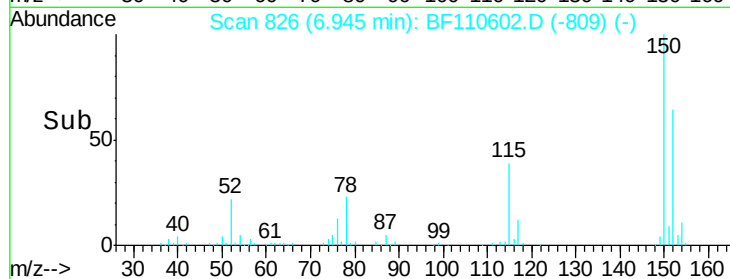
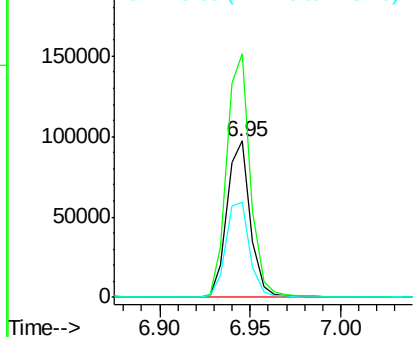
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110602.D
Acq: 8 Nov 2018 23:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 87370
Ion Ratio Lower Upper
152 100
150 155.9 122.7 184.1
115 60.7 49.1 73.7



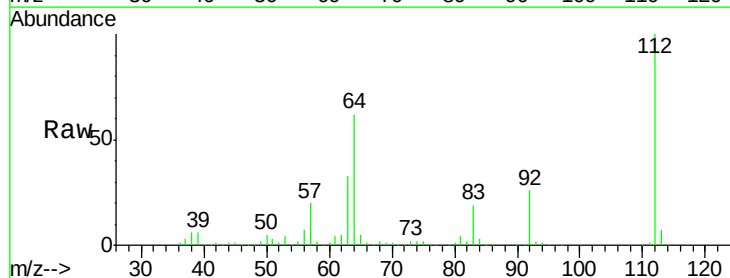
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



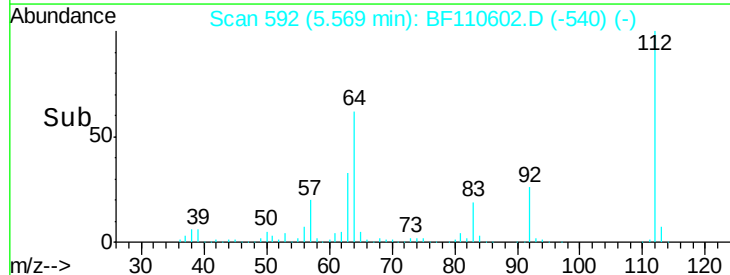
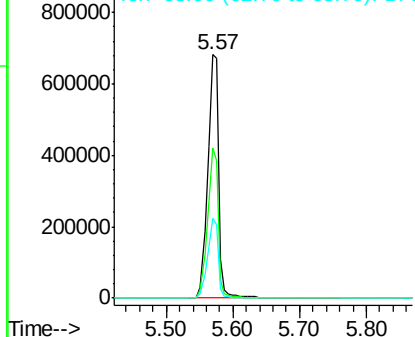
#5

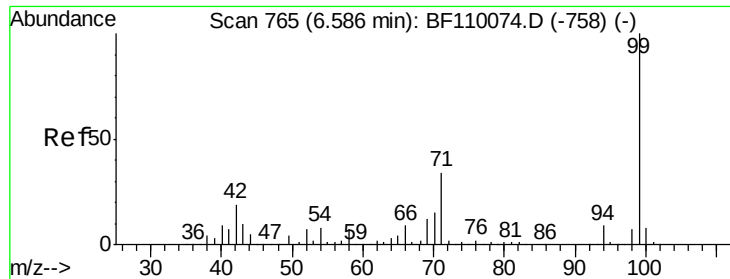
2-Fluorophenol
Concen: 144.47 ng
RT: 5.57 min Scan# 592
Delta R.T. 0.01 min
Lab File: BF110602.D
Acq: 8 Nov 2018 23:08

Tgt Ion:112 Resp: 777079
Ion Ratio Lower Upper
112 100
64 61.9 44.1 66.1
63 32.7 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: 144.96 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF110602.D

Acq: 8 Nov 2018 23:08

Instrument :

BNA_F

ClientSampled :

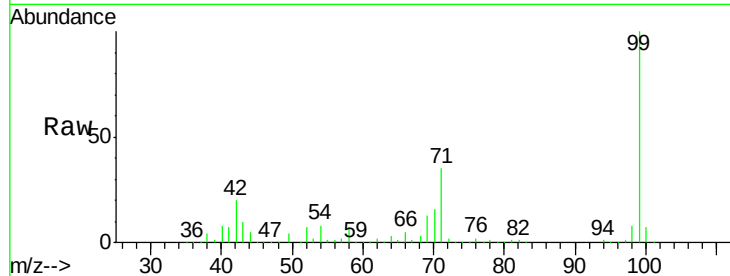
Tot Ion: 99 Resp: 997057

Ion Ratio Lower Upper

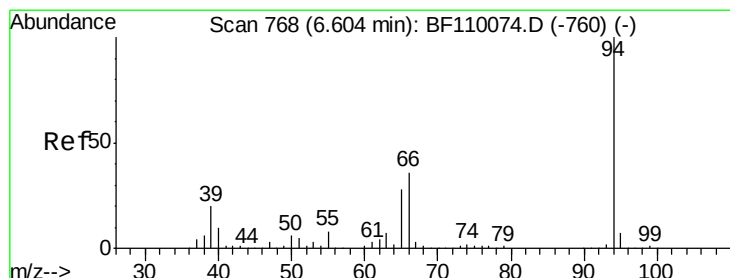
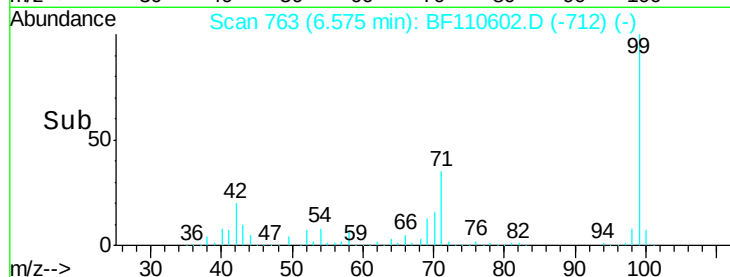
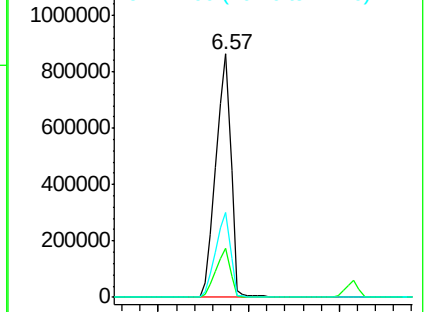
99 100

42 19.9 15.8 23.6

71 35.0 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.01 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF110602.D

Acq: 8 Nov 2018 23:08

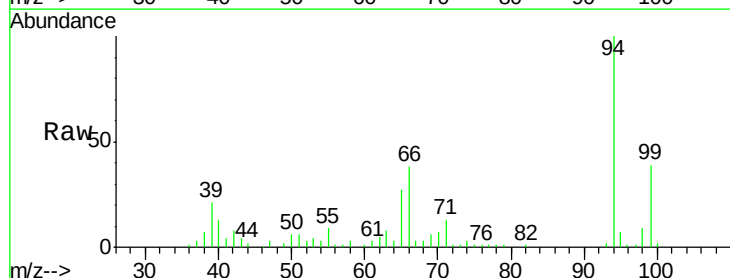
Tgt Ion: 94 Resp: 47954

Ion Ratio Lower Upper

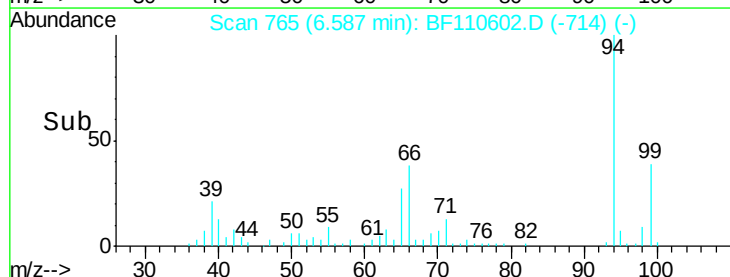
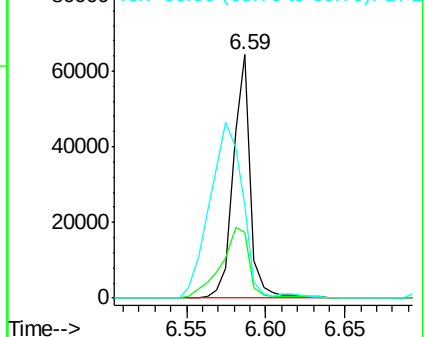
94 100

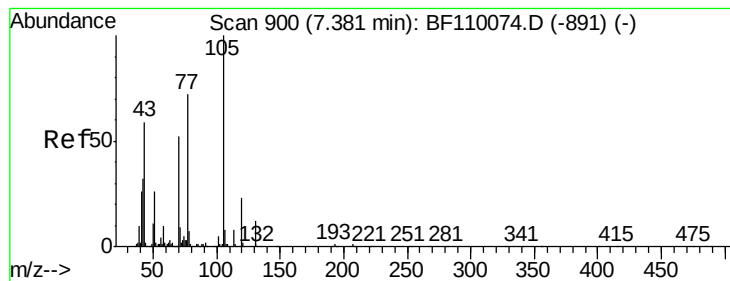
65 27.0 25.3 65.3

66 38.3 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 19.33 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110602.D

Acq: 8 Nov 2018 23:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 84874

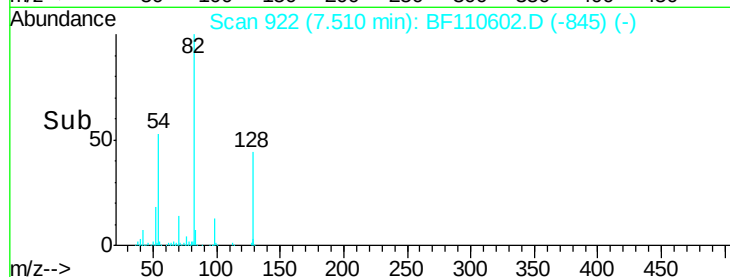
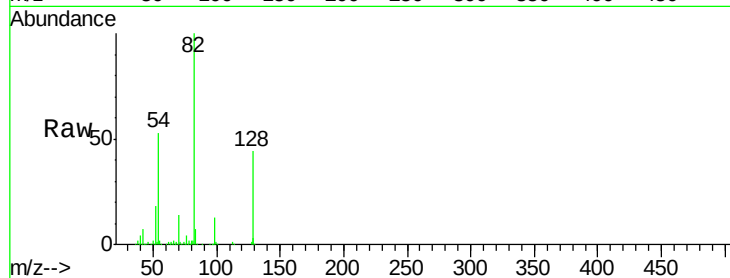
Ion Ratio Lower Upper

70 100

42 49.1 47.4 71.2

101 0.0 7.3 10.9#

130 1.9 16.2 24.2#

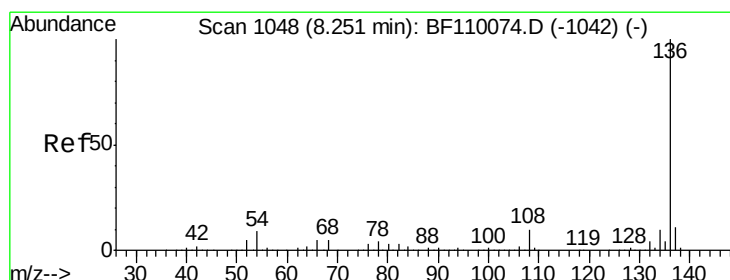
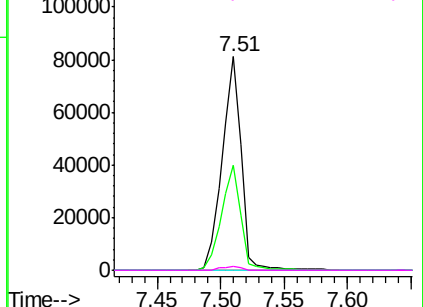


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110602.D

Acq: 8 Nov 2018 23:08

Tgt Ion: 136 Resp: 350824

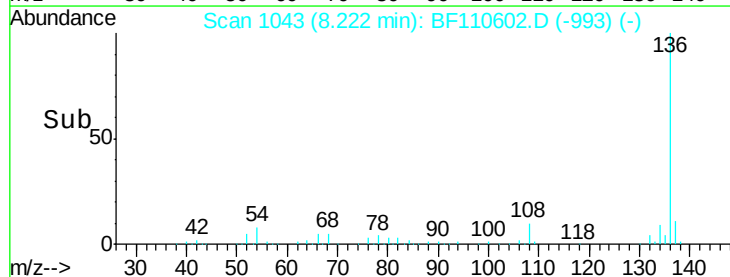
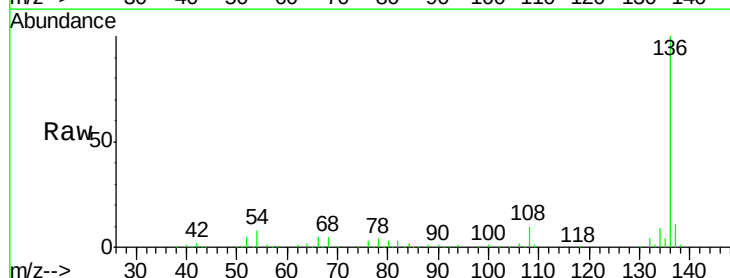
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.3 5.4 8.2#

68 5.4 4.2 6.2

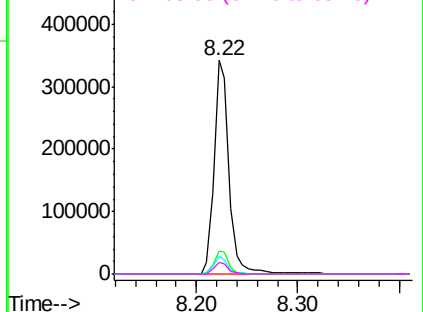


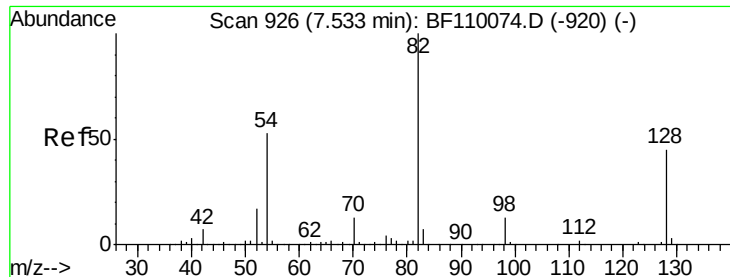
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

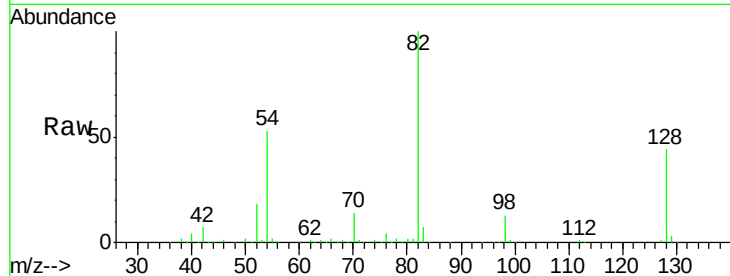




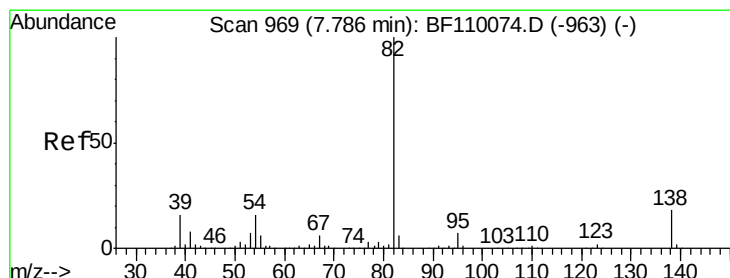
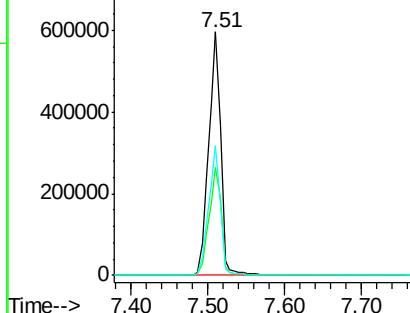
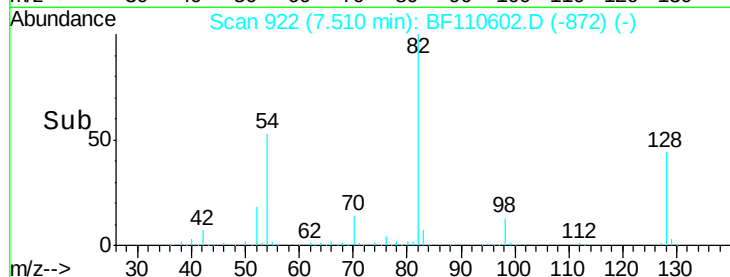
#23
Nitrobenzene-d5
Concen: 105.06 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110602.D
Acq: 8 Nov 2018 23:08

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 640019
Ion Ratio Lower Upper
82 100
128 44.4 34.2 51.2
54 53.5 38.6 58.0

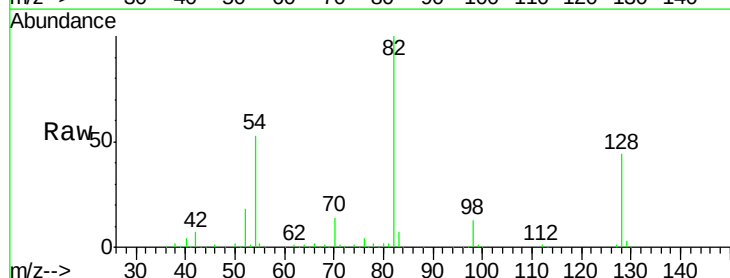


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

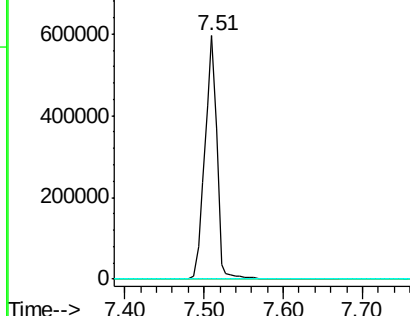
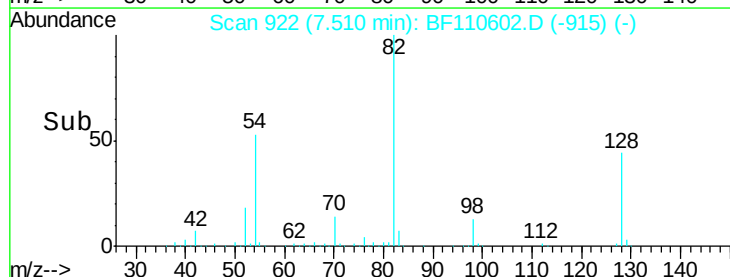


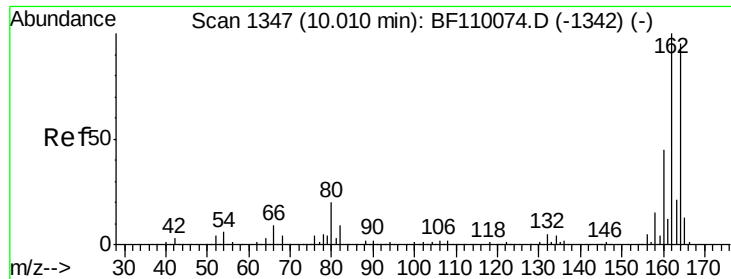
#25
Isophorone
Concen: 64.10 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.26 min
Lab File: BF110602.D
Acq: 8 Nov 2018 23:08

Tgt Ion: 82 Resp: 640016
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



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

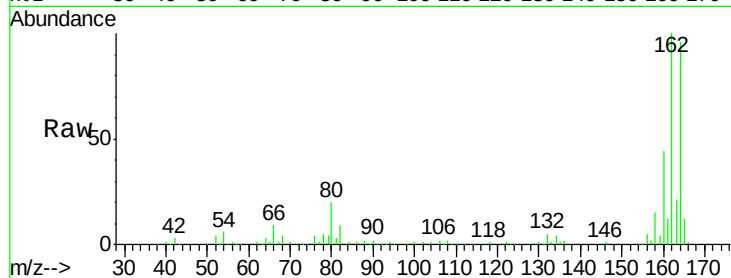




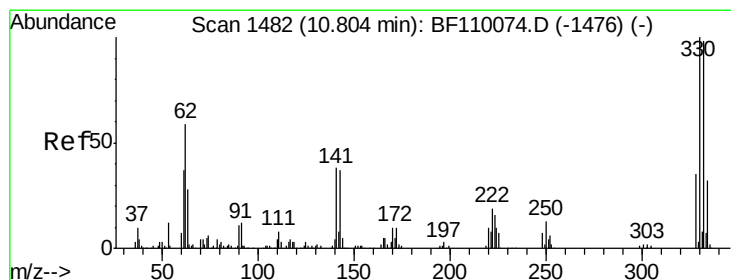
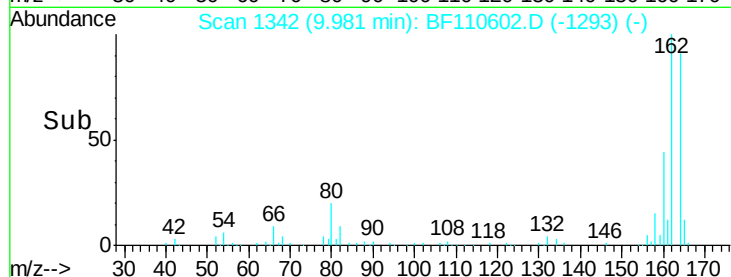
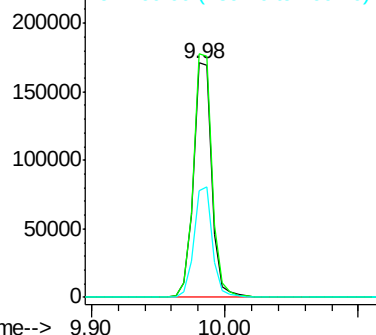
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110602.D
Acq: 8 Nov 2018 23:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 167576
Ion Ratio Lower Upper
164 100
162 103.9 83.0 124.6
160 45.6 37.0 55.6

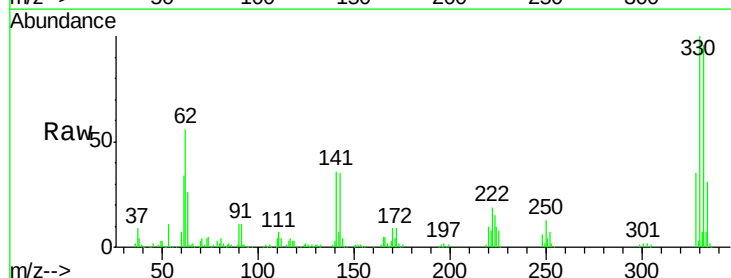


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

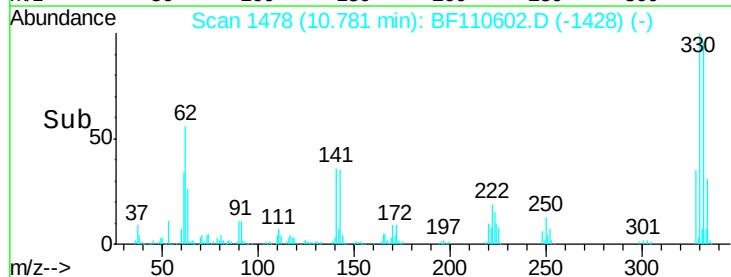
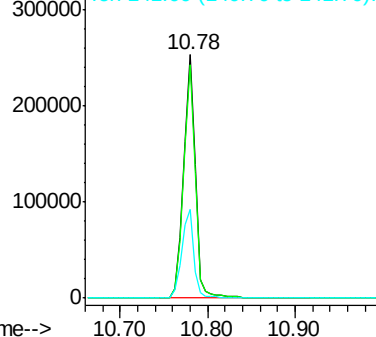


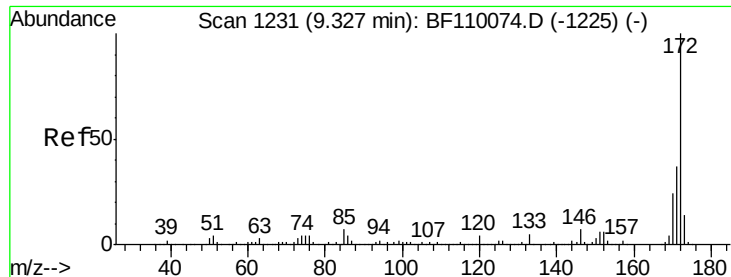
#42
2,4,6-Tribromophenol
Concen: 141.98 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110602.D
Acq: 8 Nov 2018 23:08

Tgt Ion:330 Resp: 239733
Ion Ratio Lower Upper
330 100
332 95.6 77.1 115.7
141 37.2 27.0 40.4



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



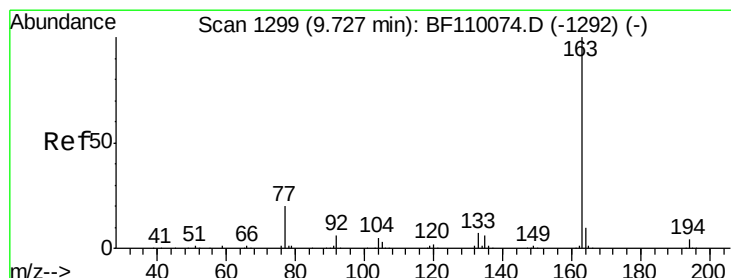
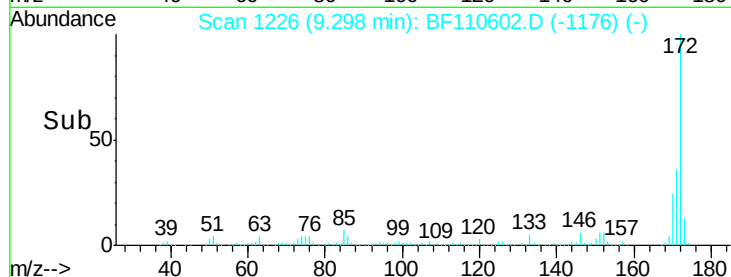
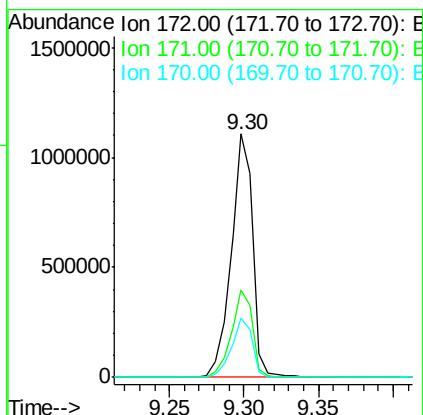
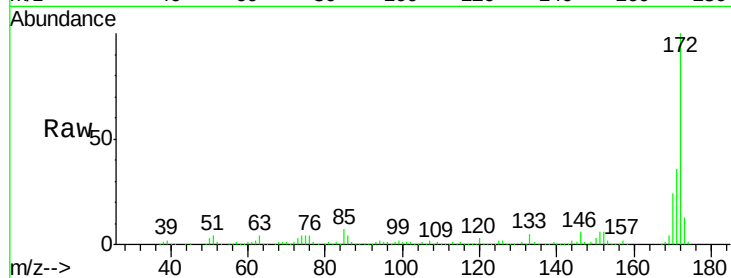


#45
 2-Fluorobiphenyl
 Concen: 95.78 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110602.D
 Acq: 8 Nov 2018 23:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1123861

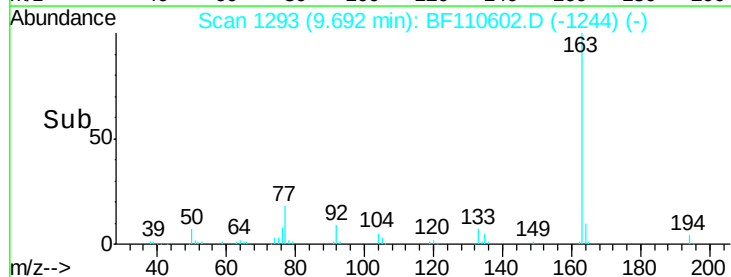
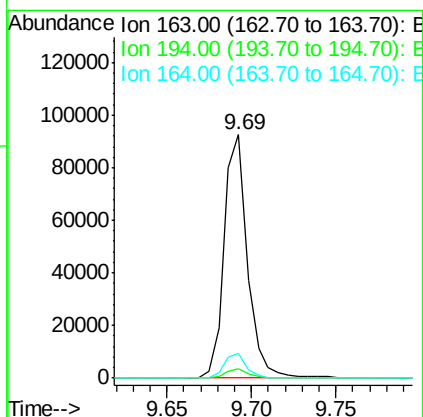
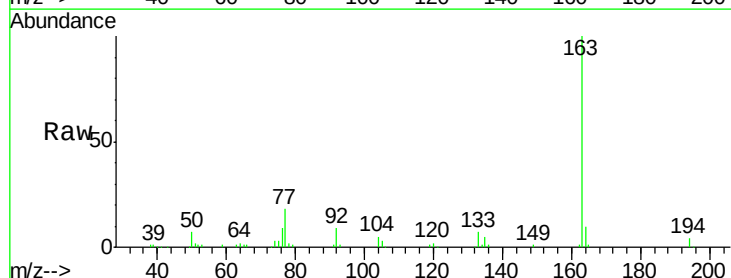
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	24.3	19.7	29.5

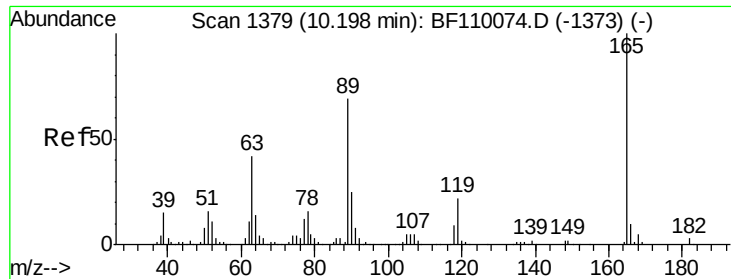


#50
 Dimethylphthalate
 Concen: 7.14 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF110602.D
 Acq: 8 Nov 2018 23:08

Tgt Ion:163 Resp: 89259

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.3	8.1	12.1

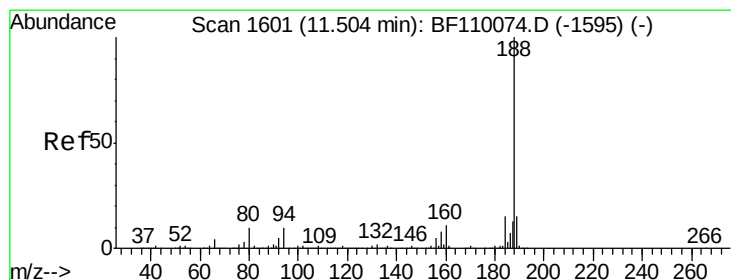
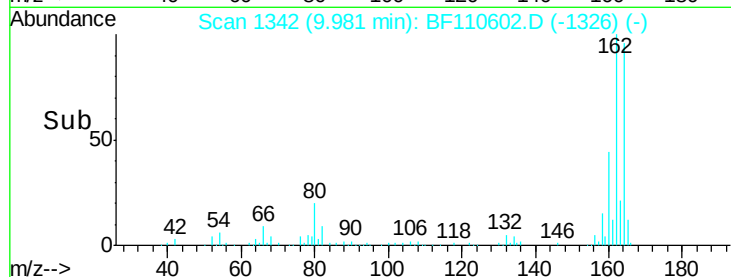
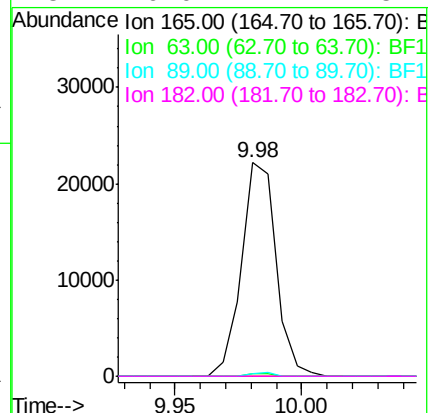
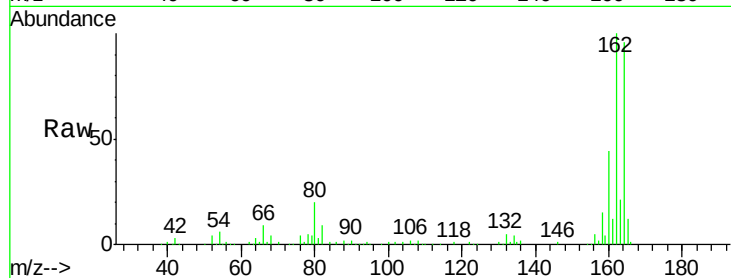




#57
 2,4-Dinitrotoluene
 Concen: 5.88 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF110602.D
 Acq: 8 Nov 2018 23:08

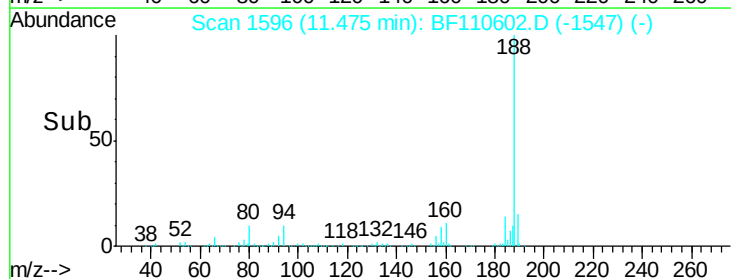
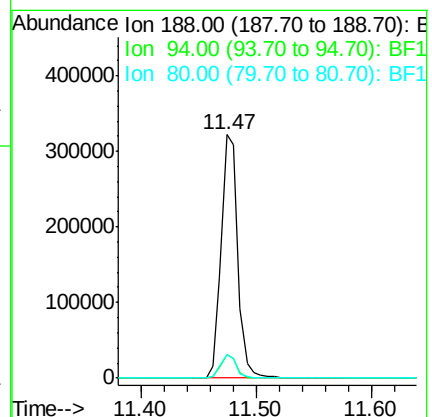
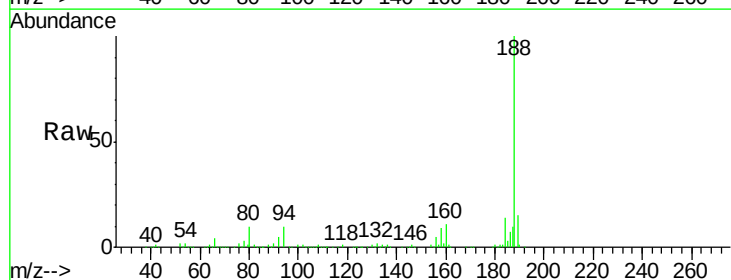
Instrument :
 BNA_F
 ClientSampleId :

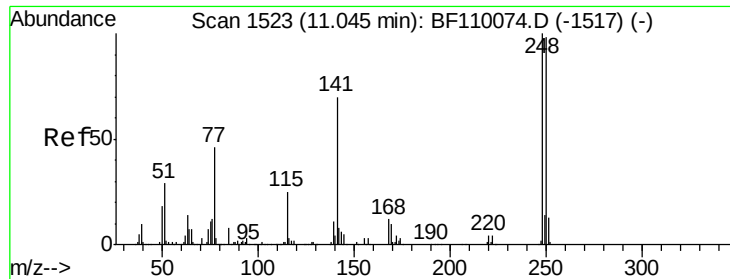
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.8	67.2#
89	1.4	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF110602.D
 Acq: 8 Nov 2018 23:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.2	10.8
80	9.9	7.9	11.9

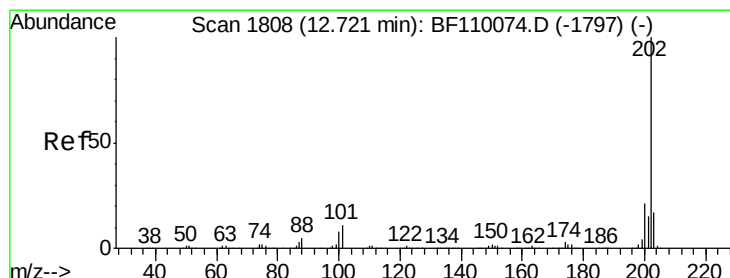
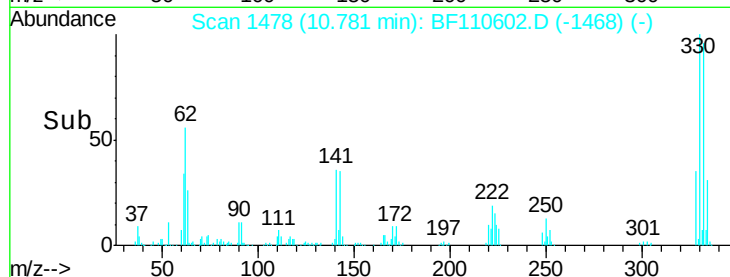
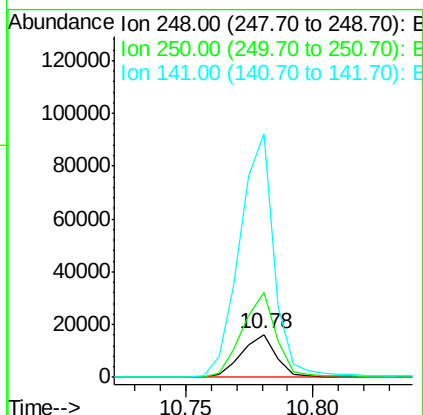
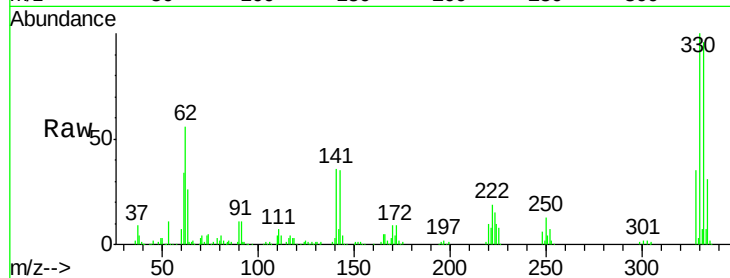




#67
4-Bromophenyl-phenylether
Concen: 4.33 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.24 min
Lab File: BF110602.D
Acq: 8 Nov 2018 23:08

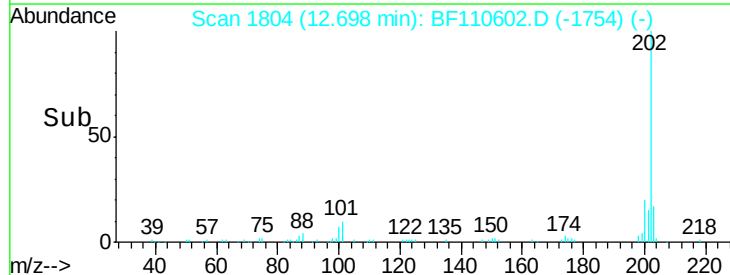
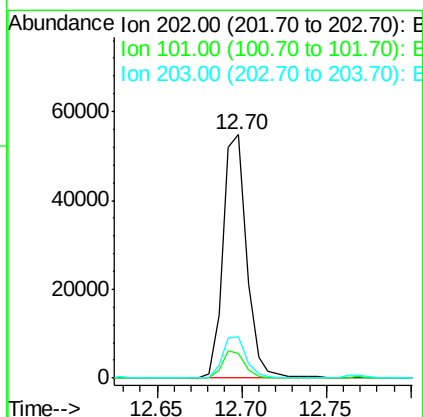
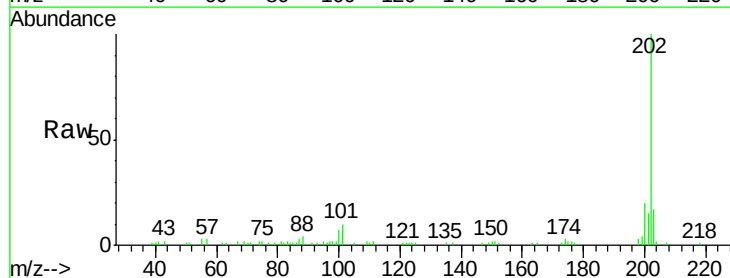
Instrument :
BNA_F
ClientSampleId :

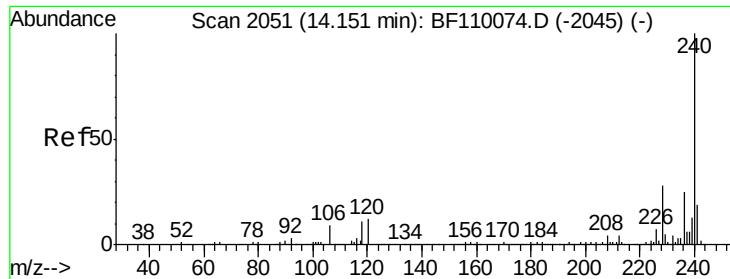
Tot Ion:248 Resp: 15431
Ion Ratio Lower Upper
248 100
250 196.9 79.4 119.2#
141 564.1 55.9 83.9#



#75
Fluoranthene
Concen: 3.10 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF110602.D
Acq: 8 Nov 2018 23:08

Tgt Ion:202 Resp: 53621
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.4
203 17.2 0.0 37.7

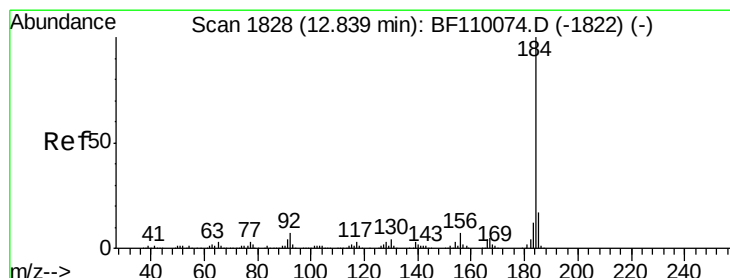
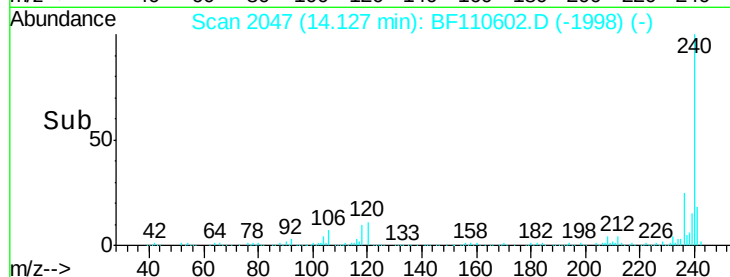
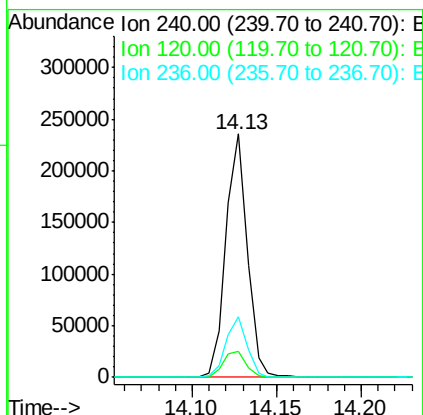
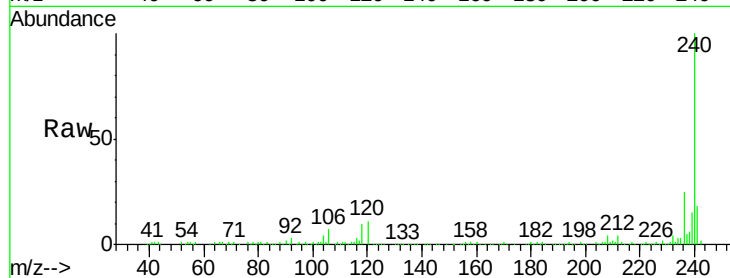




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110602.D
Acq: 8 Nov 2018 23:08

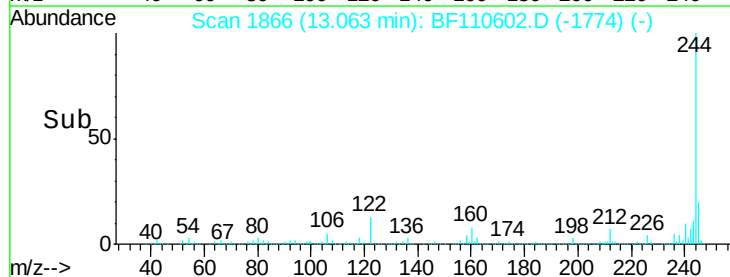
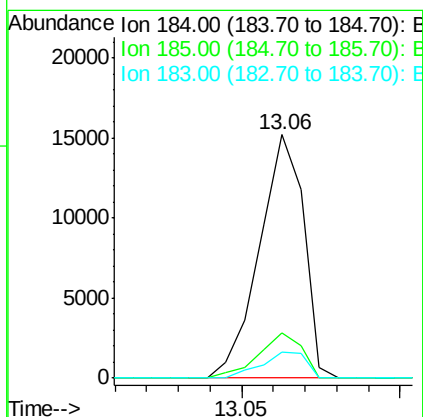
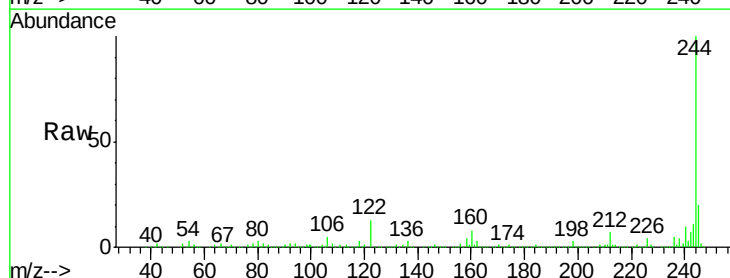
Instrument :
BNA_F
ClientSampleId :

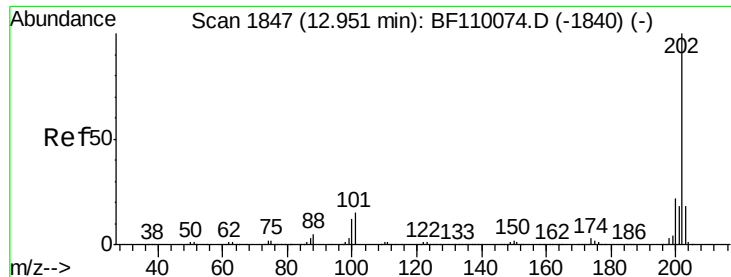
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.3	12.5
236	24.8	21.2	31.8



#77
Benzidine
Concen: 2.58 ng
RT: 13.06 min Scan# 1866
Delta R.T. 0.24 min
Lab File: BF110602.D
Acq: 8 Nov 2018 23:08

Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.5	13.4	20.2
183	10.7	9.4	14.2

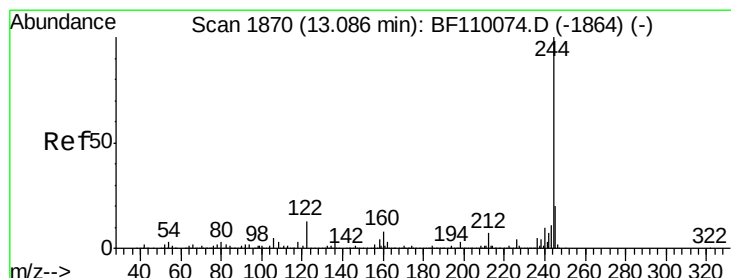
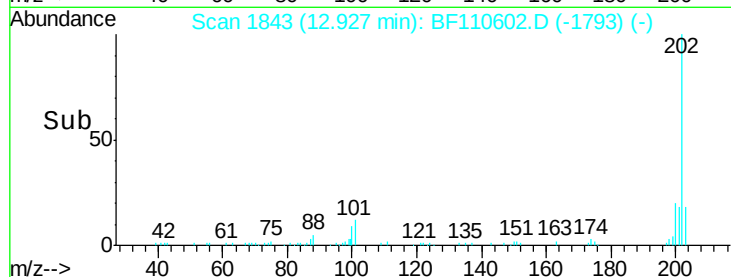
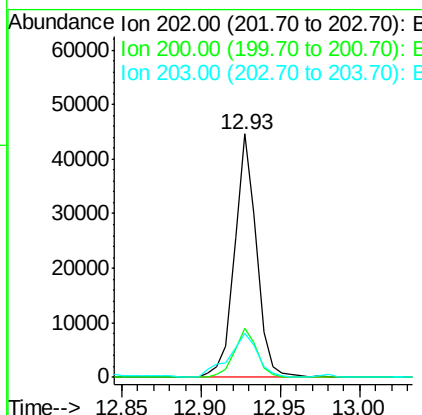
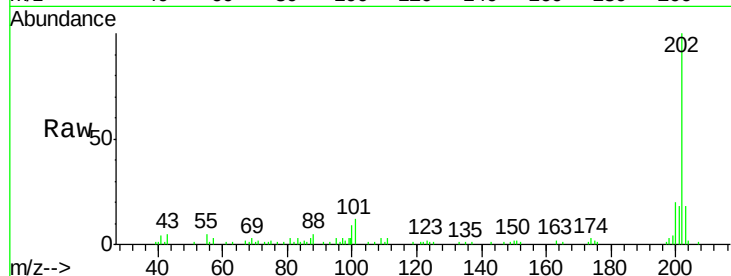




#78
Pvrene
Concen: 2.66 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110602.D
Acq: 8 Nov 2018 23:08

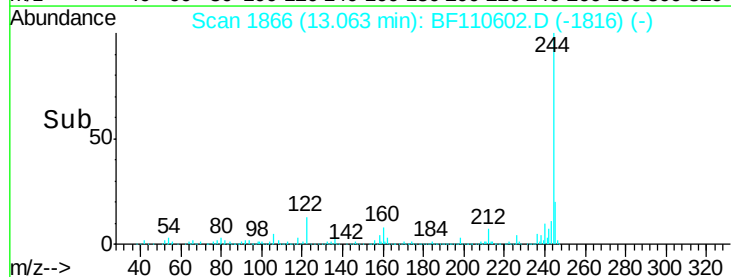
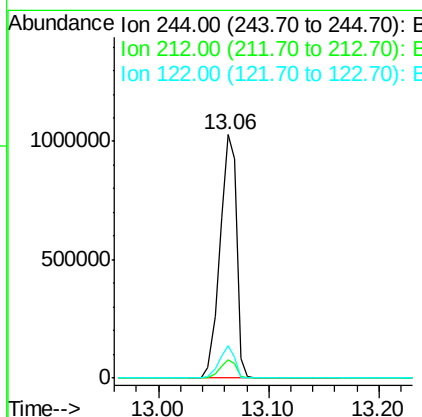
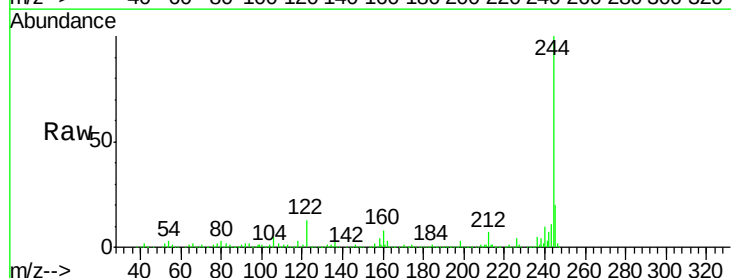
Instrument :
BNA_F
ClientSampleId :

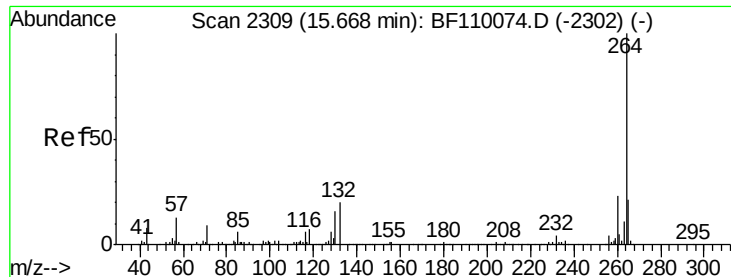
Tot Ion:202 Resp: 42658
Ion Ratio Lower Upper
202 100
200 20.3 17.8 26.6
203 17.8 14.2 21.4



#79
Terphenyl-d14
Concen: 96.72 ng
RT: 13.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF110602.D
Acq: 8 Nov 2018 23:08

Tgt Ion:244 Resp: 1074165
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.8
122 13.5 8.7 13.1#



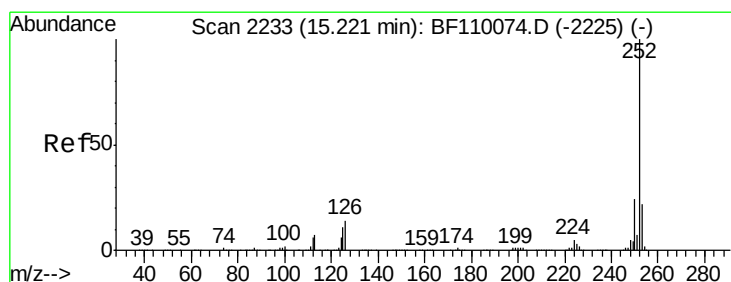
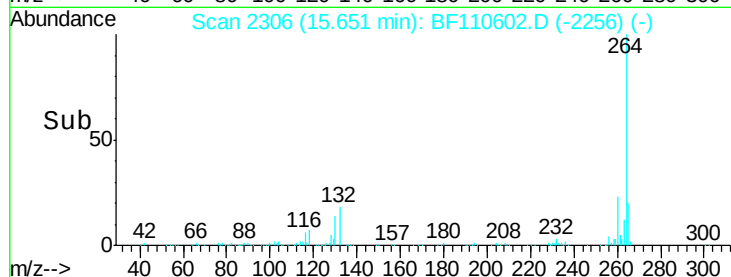
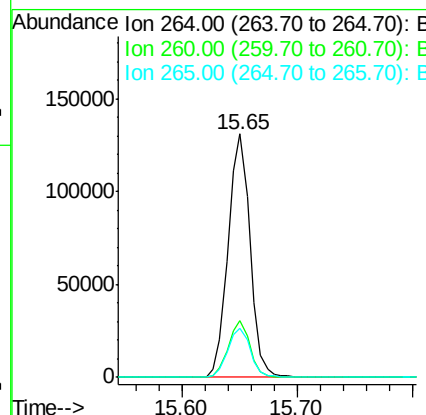
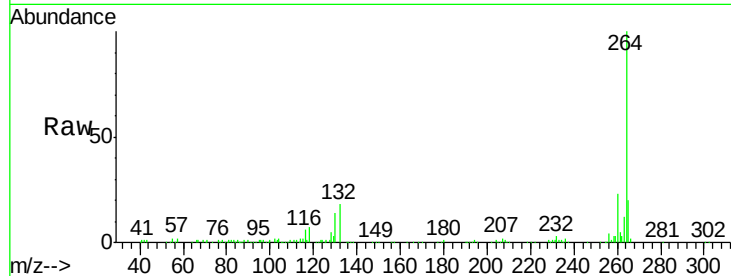


#87
Pervlene-d12
Concen: 20.00 ng
RT: 15.65 min Scan# 2306
Delta R.T. -0.01 min
Lab File: BF110602.D
Acq: 8 Nov 2018 23:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 173091

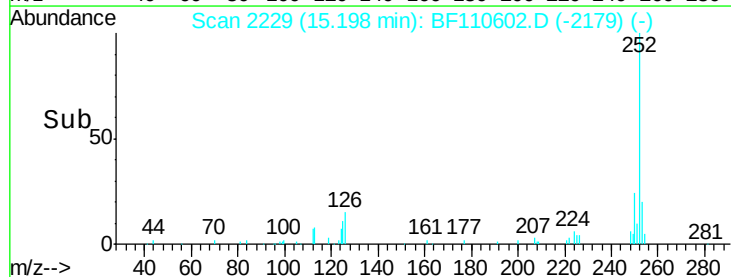
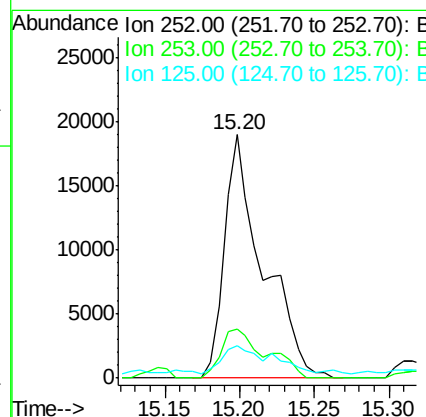
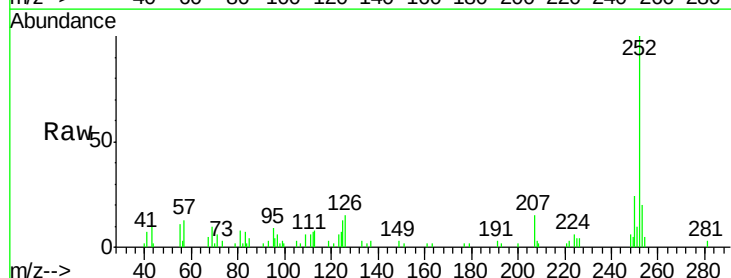
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	20.2	16.7	25.1

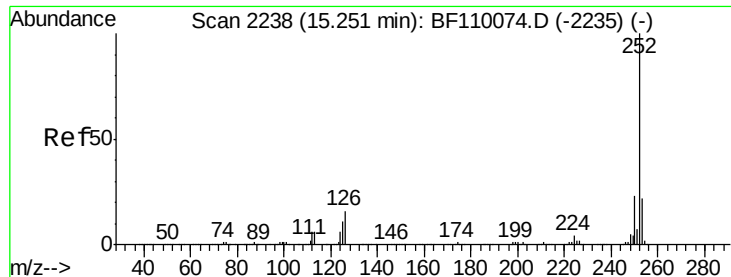


#88
Benzo(b)fluoranthene
Concen: 3.30 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF110602.D
Acq: 8 Nov 2018 23:08

Tgt Ion:252 Resp: 34196

Ion	Ratio	Lower	Upper
252	100		
253	20.3	17.2	25.8
125	13.4	8.2	12.4#





#89

Benzo(k)fluoranthene

Concen: 3.34 ng

RT: 15.20 min Scan# 2229

Delta R.T. -0.04 min

Lab File: BF110602.D

Acq: 8 Nov 2018 23:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 34196

Ion Ratio Lower Upper

252 100

253 20.3 17.2 25.8

125 13.4 7.4 11.0#

