

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110818\
 Data File : BF110607.D
 Acq On : 9 Nov 2018 1:23
 Operator : JU/SJ
 Sample : J3859-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 08:44:37 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

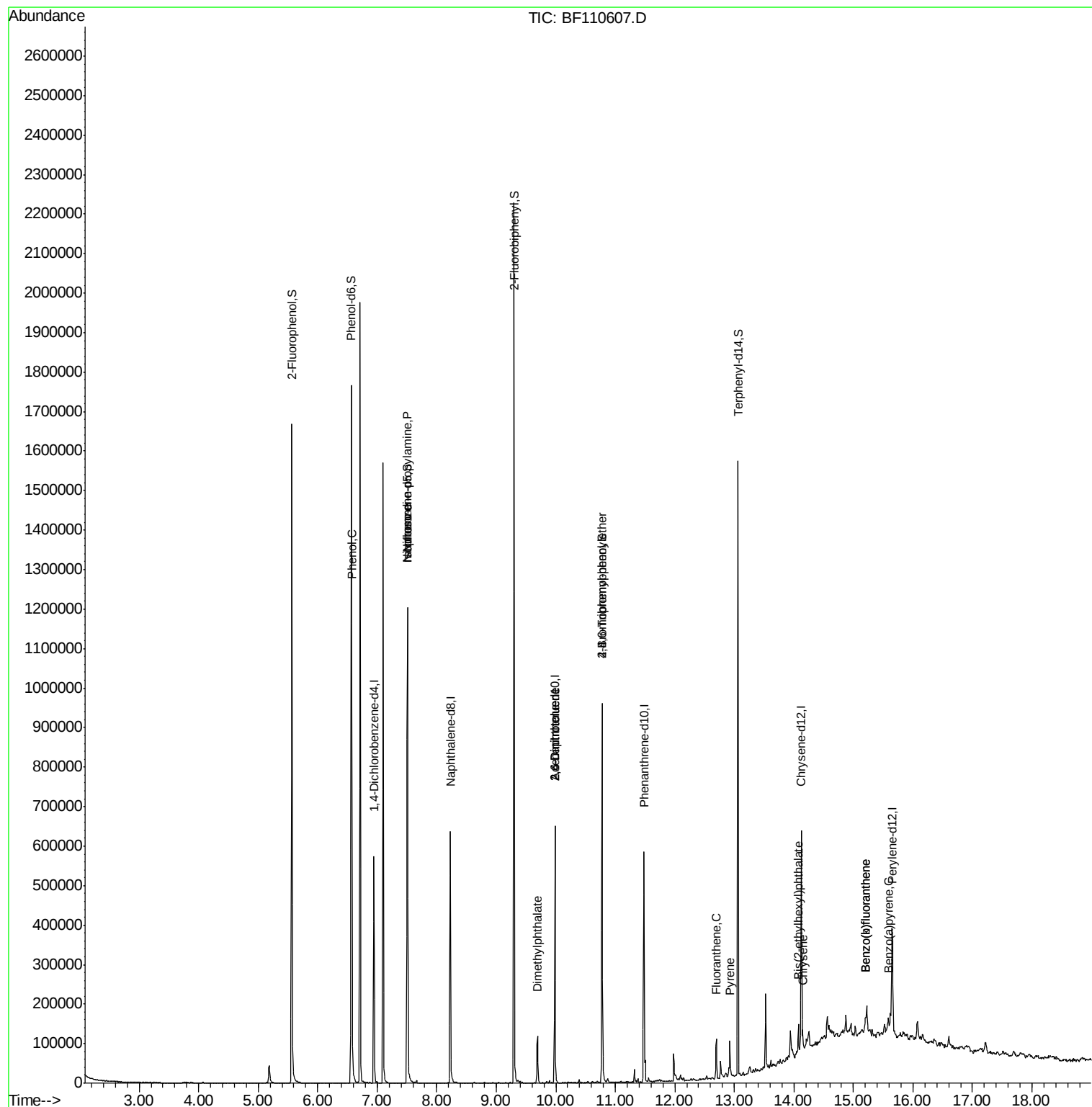
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	78283	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	313649	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	133575	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	211944	20.00	ng	0.00
76) Chrysene-d12	14.13	240	162765	20.00	ng	-0.01
87) Perylene-d12	15.65	264	125483	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	494938	102.70	ng	0.00
7) Phenol-d6	6.57	99	633493	102.79	ng	0.00
23) Nitrobenzene-d5	7.51	82	390594	71.72	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	119792	89.00	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	691955	73.98	ng	0.00
79) Terphenyl-d14	13.06	244	519962	59.83	ng	0.00
Target Compounds						
10) Phenol	6.58	94	33792	4.73	ng	# 69
19) n-Nitroso-di-n-propylamine	7.51	70	51568	13.11	ng	# 79
25) Isophorone	7.51	82	390591	43.76	ng	# 67
50) Dimethylphthalate	9.69	163	52682	5.29	ng	99
51) 2,6-Dinitrotoluene	9.99	165	17172	7.83	ng	# 21
57) 2,4-Dinitrotoluene	9.99	165	17172	6.02	ng	# 17
67) 4-Bromophenyl-phenylether	10.78	248	7620	3.25	ng	# 1
75) Fluoranthene	12.70	202	40478	3.56	ng	98
78) Pyrene	12.93	202	35895	2.86	ng	97
83) Chrysene	14.15	228	18969	2.05	ng	95
84) Bis(2-ethylhexyl)phthalate	14.07	149	17928	2.68	ng	# 97
88) Benzo(b)fluoranthene	15.20	252	28837	3.84	ng	# 81
89) Benzo(k)fluoranthene	15.20	252	28837	3.89	ng	# 80
90) Benzo(a)pyrene	15.59	252	14632	2.15	ng	# 89

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

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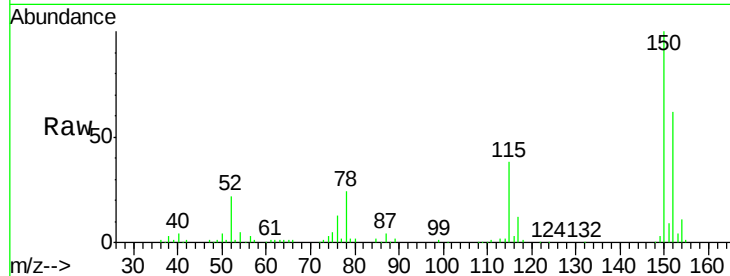




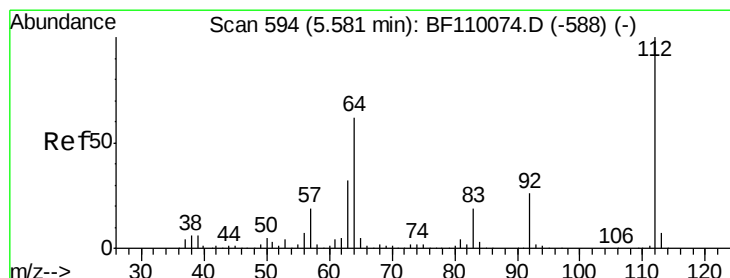
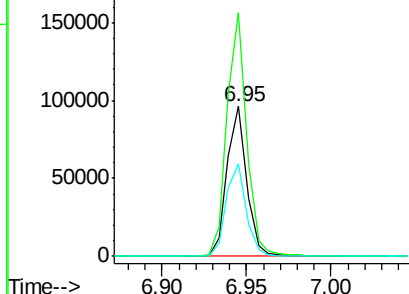
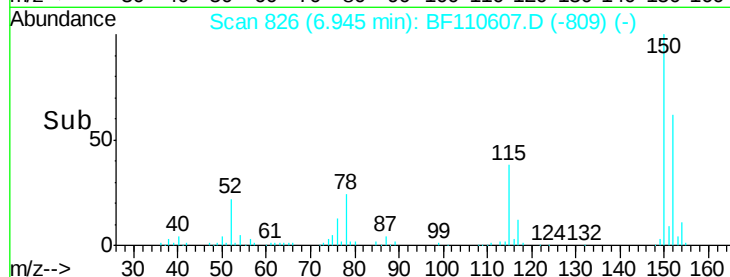
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110607.D
 Acq: 9 Nov 2018 1:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 78283
 Ion Ratio Lower Upper
 152 100
 150 162.6 122.7 184.1
 115 61.7 49.1 73.7

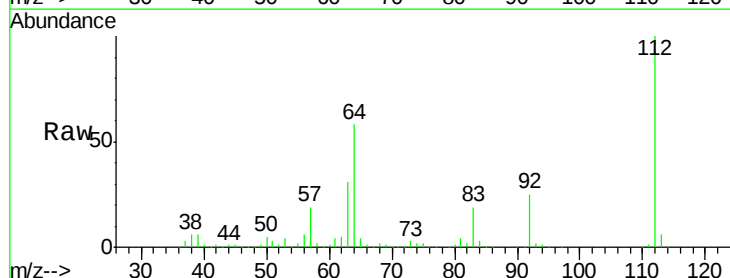


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

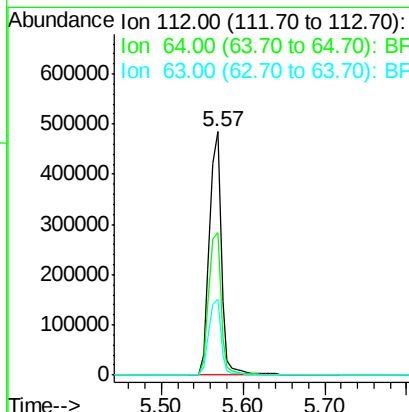
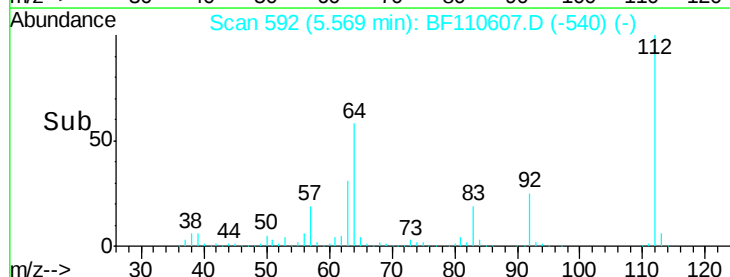


#5
 2-Fluorophenol
 Concen: 102.70 ng
 RT: 5.57 min Scan# 592
 Delta R.T. 0.01 min
 Lab File: BF110607.D
 Acq: 9 Nov 2018 1:23

Tgt Ion:112 Resp: 494938
 Ion Ratio Lower Upper
 112 100
 64 58.5 44.1 66.1
 63 31.1 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: 102.79 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110607.D

Acq: 9 Nov 2018 1:23

Instrument :

BNA_F

ClientSampleId :

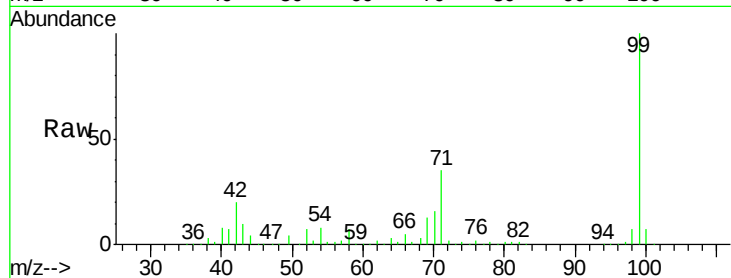
Tot Ion: 99 Resp: 633493

Ion Ratio Lower Upper

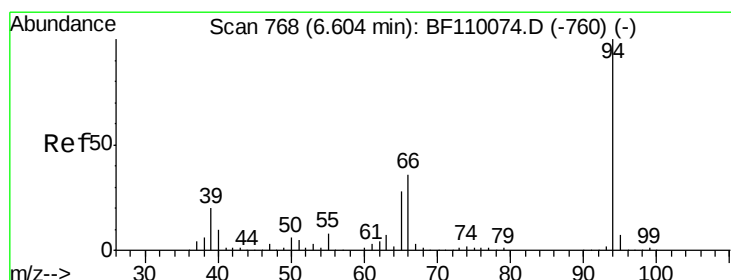
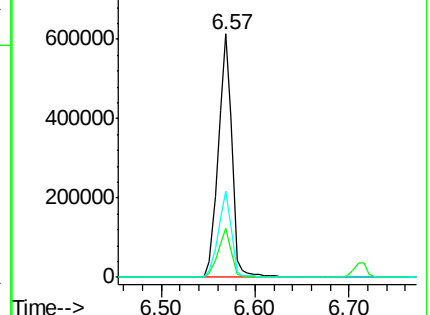
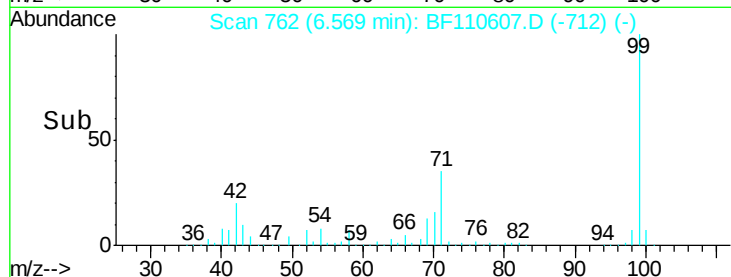
99 100

42 20.1 15.8 23.6

71 35.3 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: 4.73 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110607.D

Acq: 9 Nov 2018 1:23

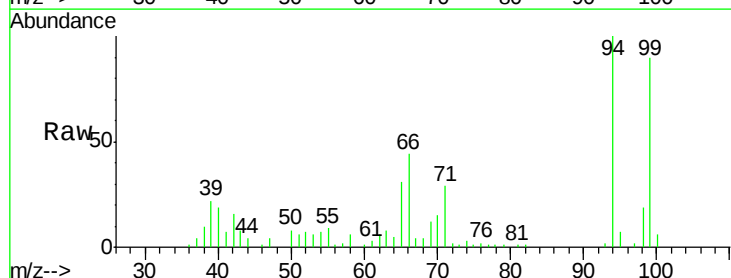
Tgt Ion: 94 Resp: 33792

Ion Ratio Lower Upper

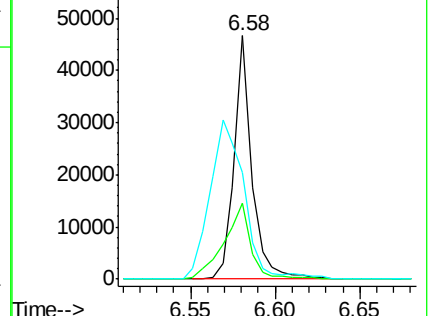
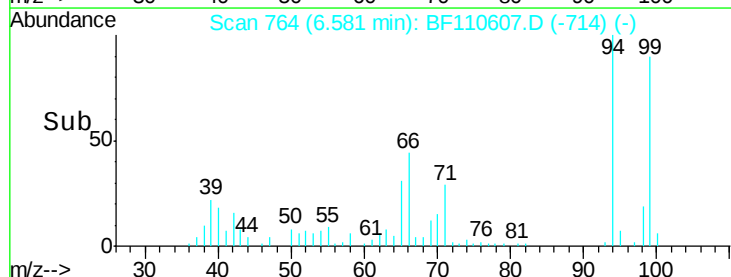
94 100

65 31.4 25.3 65.3

66 43.7 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

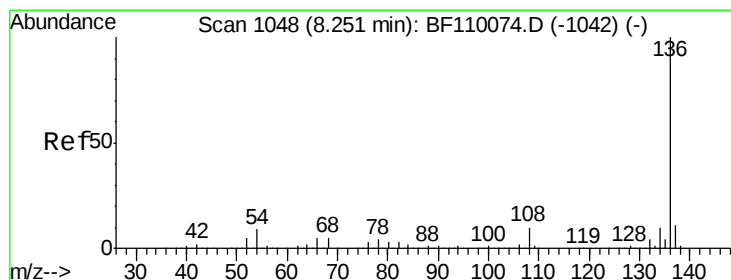
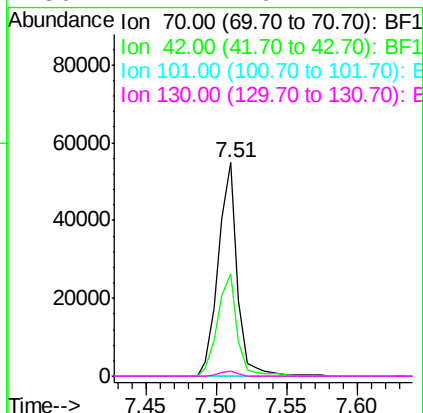
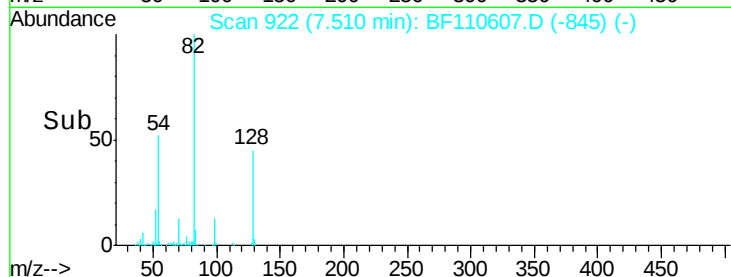
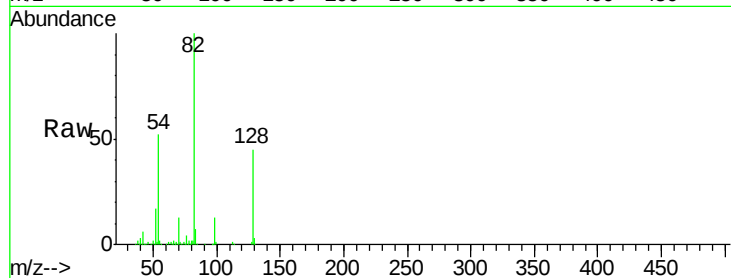




#19
n-Nitroso-di-n-propylamine
Concen: 13.11 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.15 min
Lab File: BF110607.D
Acq: 9 Nov 2018 1:23

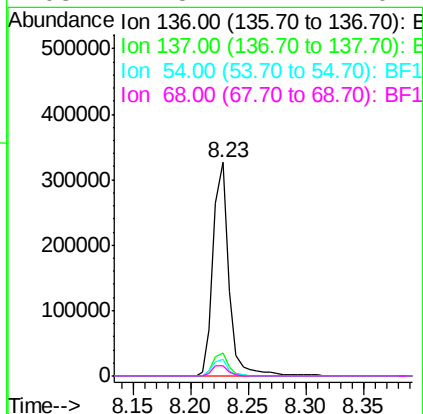
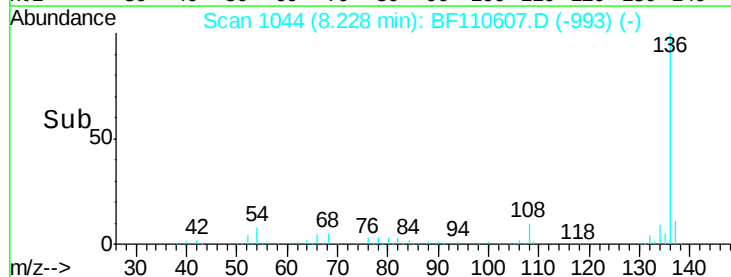
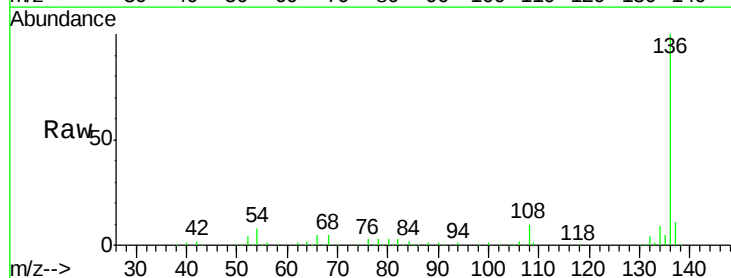
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 51568
Ion Ratio Lower Upper
70 100
42 48.1 47.4 71.2
101 0.0 7.3 10.9#
130 2.2 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110607.D
Acq: 9 Nov 2018 1:23

Tgt Ion: 136 Resp: 313649
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.5 5.4 8.2
68 4.8 4.2 6.2

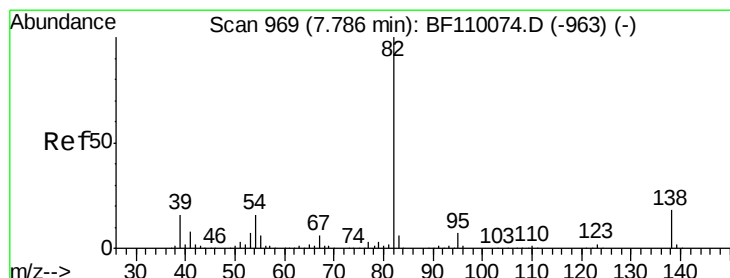
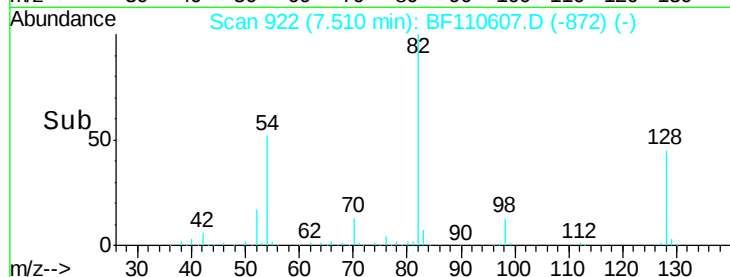
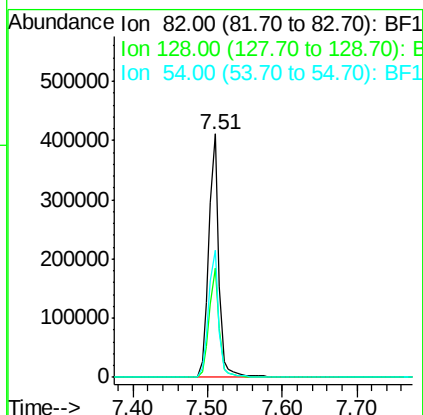
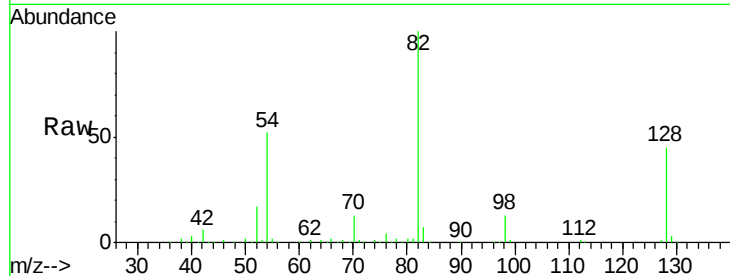




#23
 Nitrobenzene-d5
 Concen: 71.72 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110607.D
 Acq: 9 Nov 2018 1:23

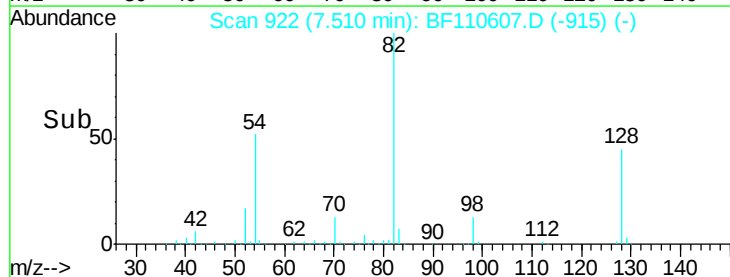
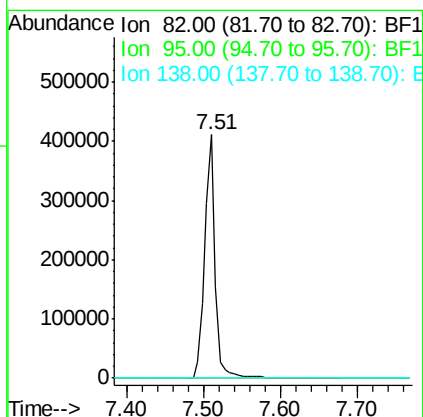
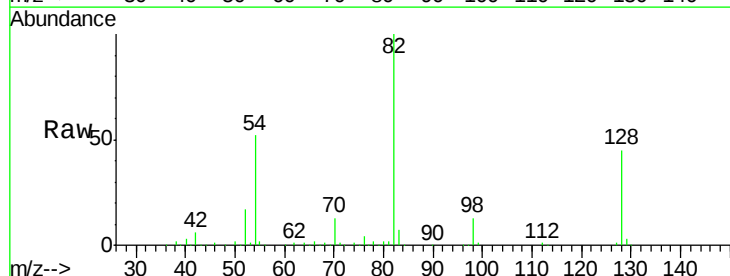
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 390594
 Ion Ratio Lower Upper
 82 100
 128 45.0 34.2 51.2
 54 52.4 38.6 58.0



#25
 Isophorone
 Concen: 43.76 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.26 min
 Lab File: BF110607.D
 Acq: 9 Nov 2018 1:23

Tgt Ion: 82 Resp: 390591
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 13.2 19.8#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110607.D

Acq: 9 Nov 2018 1:23

Instrument :

BNA_F

ClientSampleId :

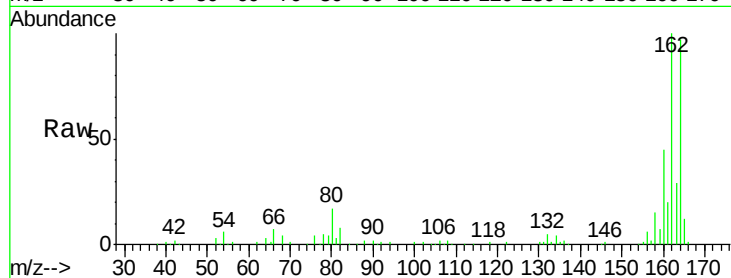
Tot Ion:164 Resp: 133575

Ion Ratio Lower Upper

164 100

162 103.1 83.0 124.6

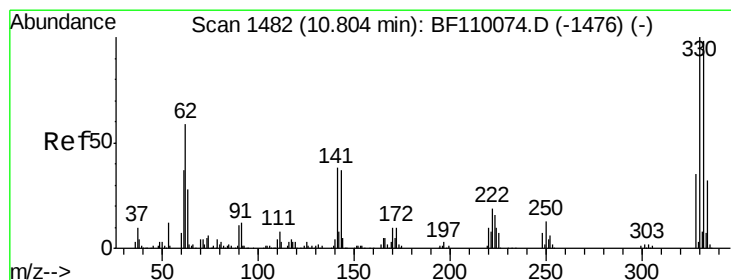
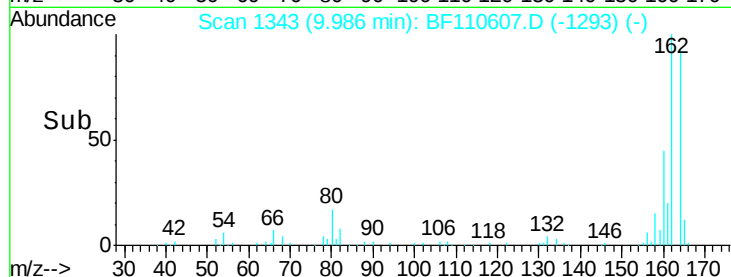
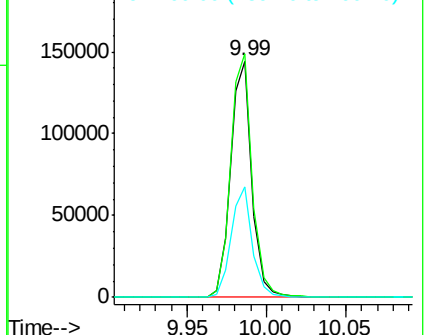
160 46.7 37.0 55.6



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: 89.00 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110607.D

Acq: 9 Nov 2018 1:23

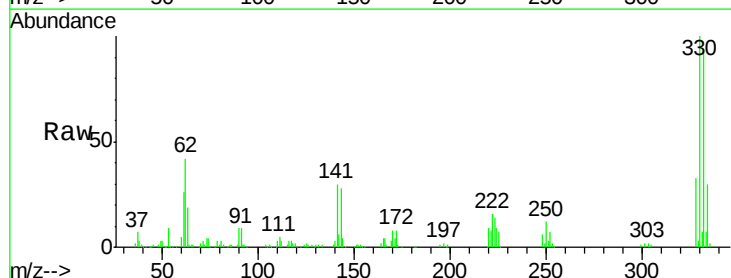
Tgt Ion:330 Resp: 119792

Ion Ratio Lower Upper

330 100

332 94.6 77.1 115.7

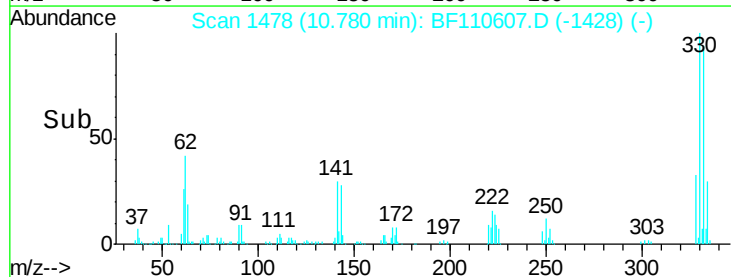
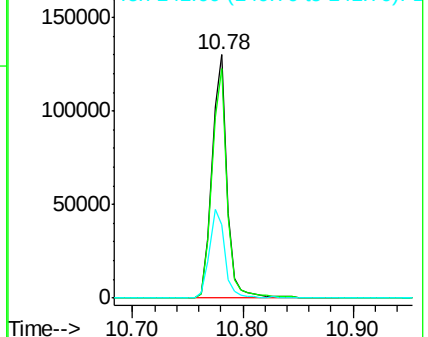
141 37.5 27.0 40.4



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

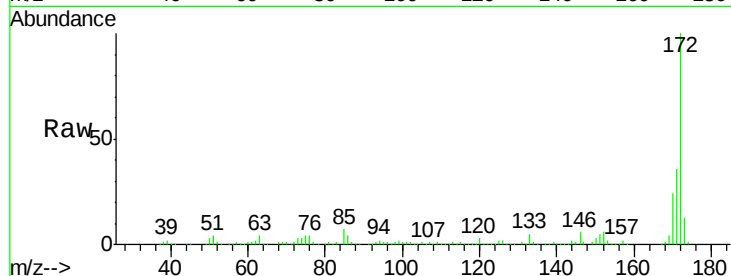




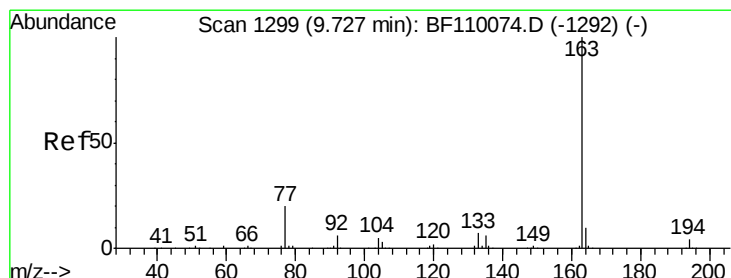
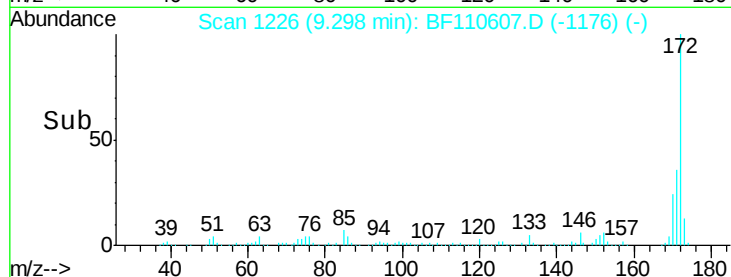
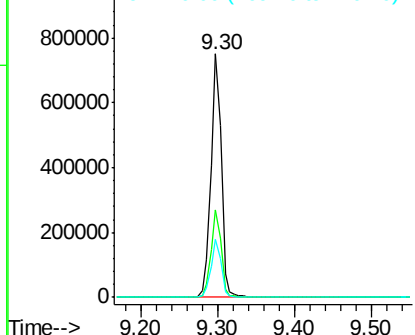
#45
2-Fluorobiphenyl
Concen: 73.98 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110607.D
Acq: 9 Nov 2018 1:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 691955
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.7 19.7 29.5

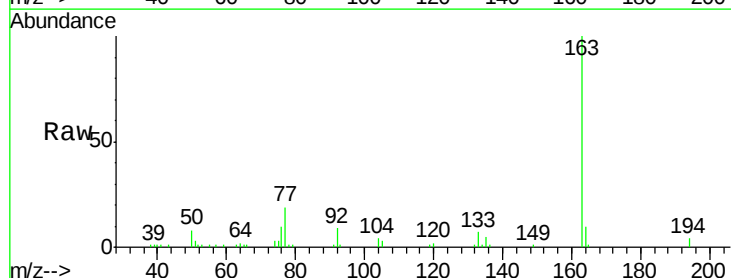


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

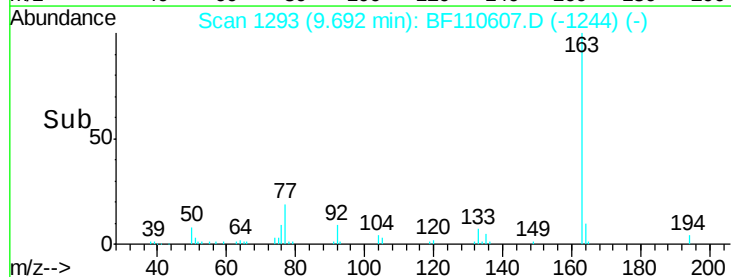
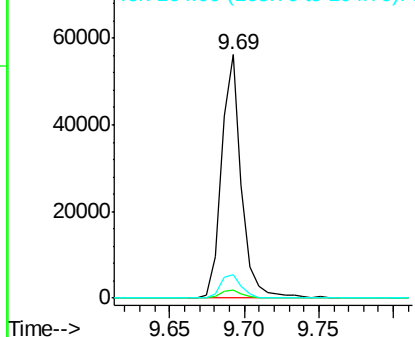


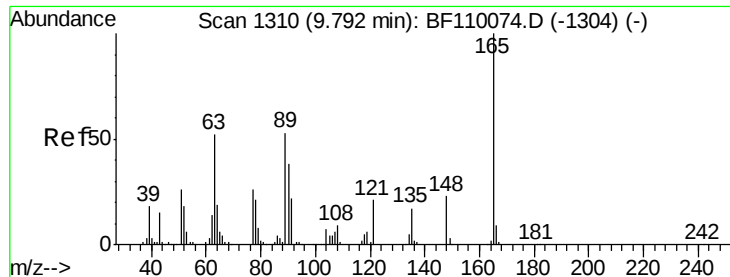
#50
Dimethylphthalate
Concen: 5.29 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110607.D
Acq: 9 Nov 2018 1:23

Tgt Ion:163 Resp: 52682
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 9.7 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

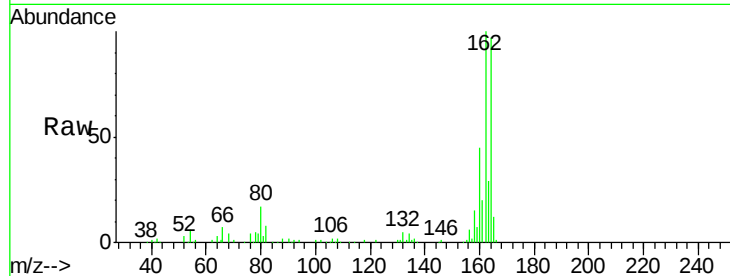




#51
 2,6-Dinitrotoluene
 Concen: 7.83 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.21 min
 Lab File: BF110607.D
 Acq: 9 Nov 2018 1:23

Instrument :
 BNA_F
 ClientSampleId :

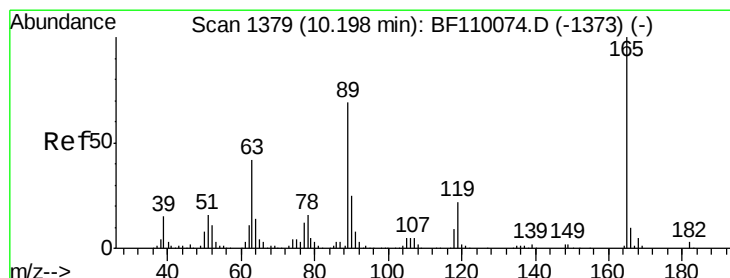
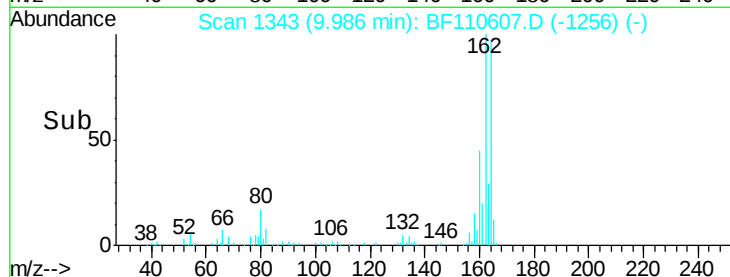
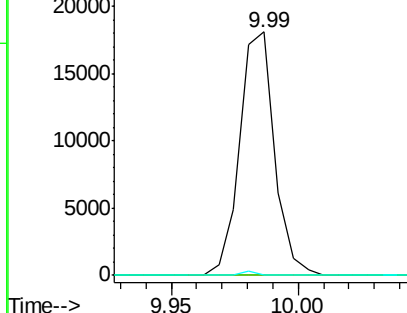
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#



Abundance Ion 165.00 (164.70 to 165.70): E

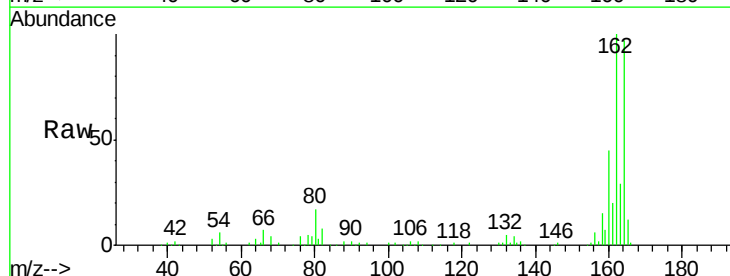
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57
 2,4-Dinitrotoluene
 Concen: 6.02 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110607.D
 Acq: 9 Nov 2018 1:23

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

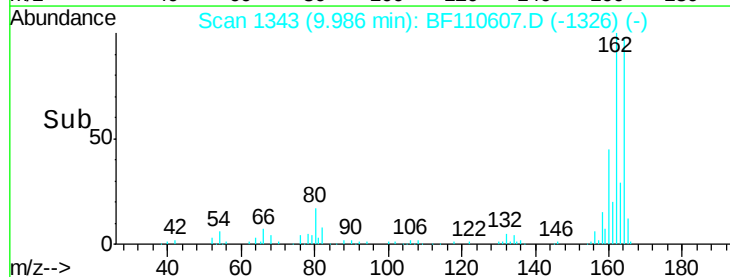
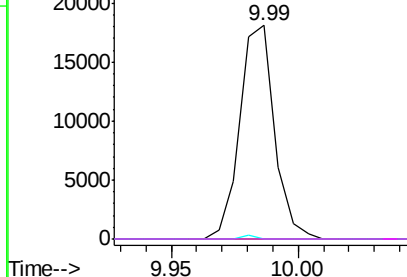


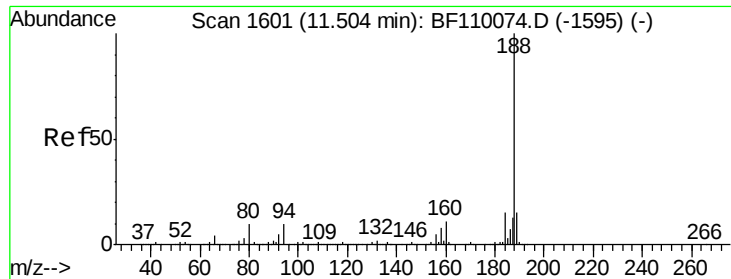
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110607.D

Acq: 9 Nov 2018 1:23

Instrument :

BNA_F

ClientSampleId :

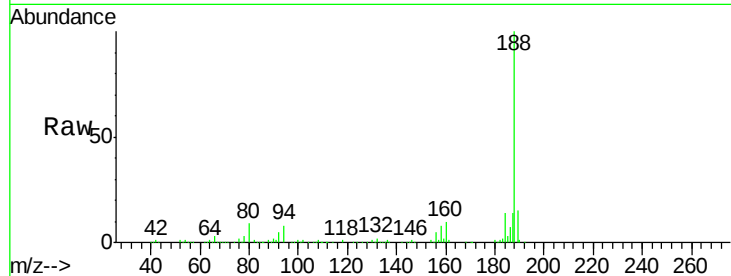
Tot Ion:188 Resp: 211944

Ion Ratio Lower Upper

188 100

94 7.8 7.2 10.8

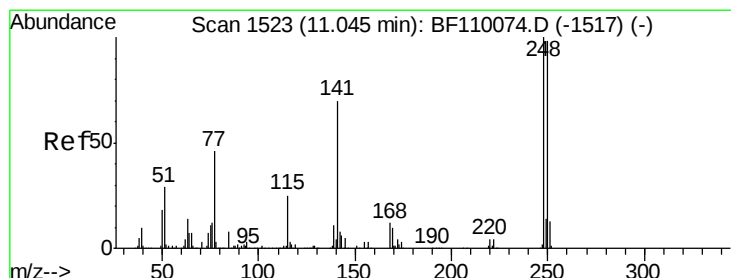
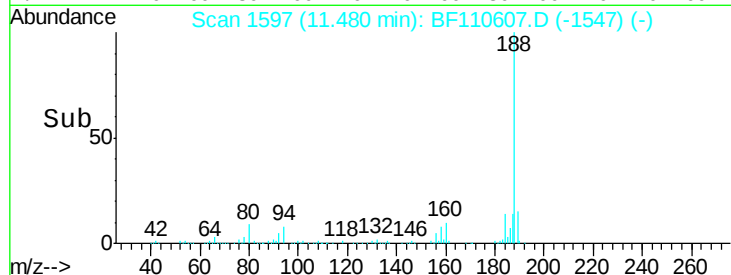
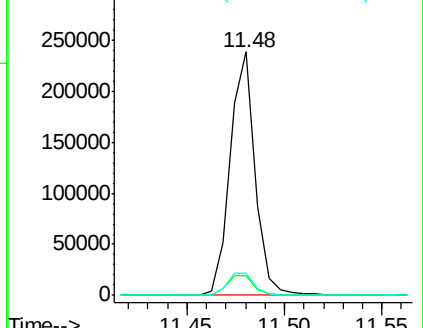
80 9.0 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 3.25 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.24 min

Lab File: BF110607.D

Acq: 9 Nov 2018 1:23

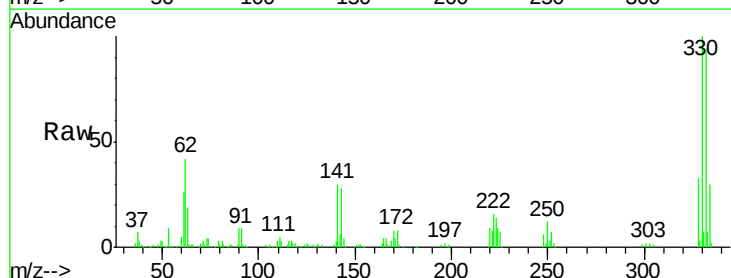
Tgt Ion:248 Resp: 7620

Ion Ratio Lower Upper

248 100

250 192.8 79.4 119.2#

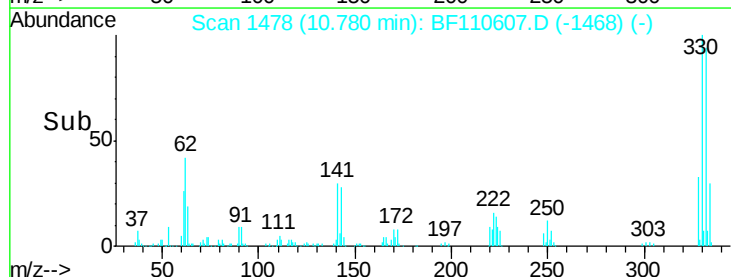
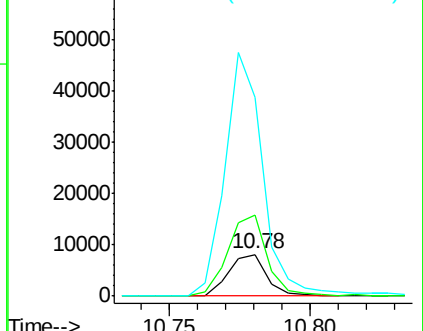
141 476.5 55.9 83.9#

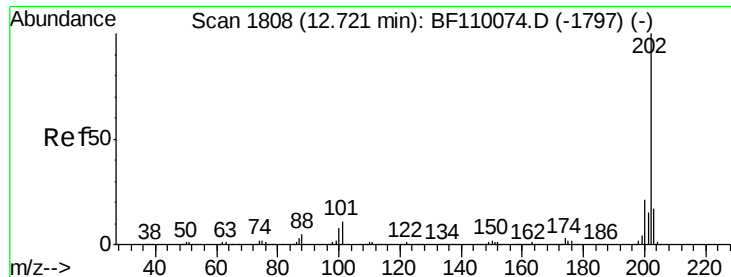


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 3.56 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110607.D

Acq: 9 Nov 2018 1:23

Instrument :

BNA_F

ClientSampleId :

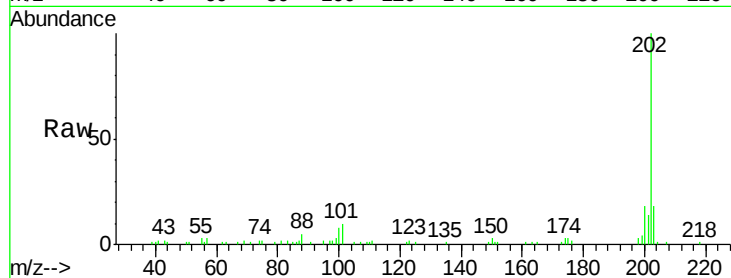
Tot Ion:202 Resp: 40478

Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.4

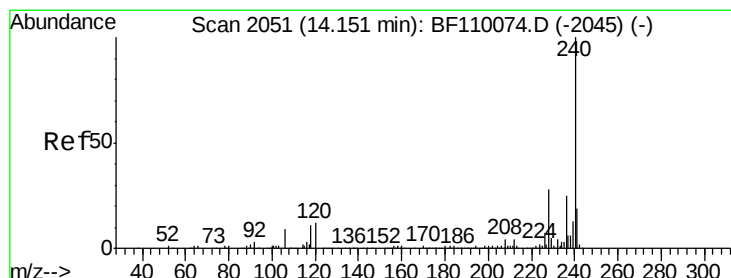
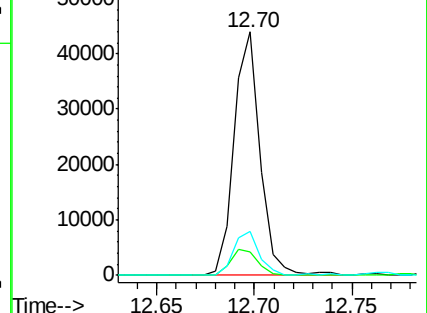
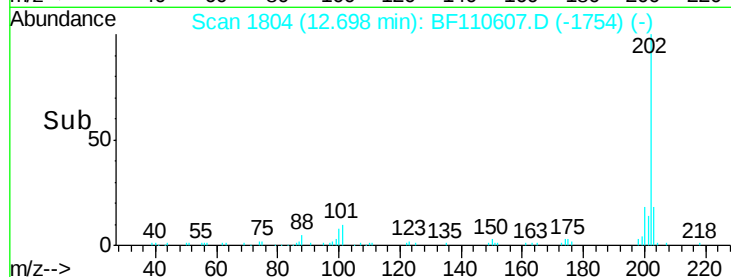
203 18.0 0.0 37.7



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



#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110607.D

Acq: 9 Nov 2018 1:23

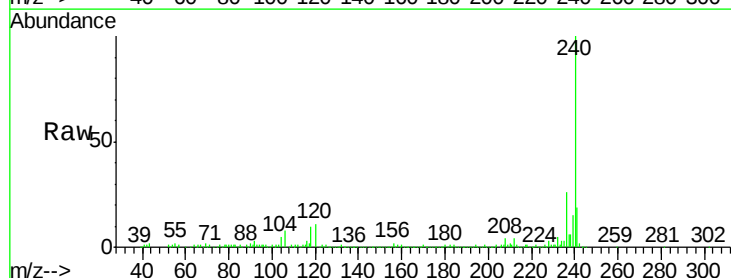
Tgt Ion:240 Resp: 162765

Ion Ratio Lower Upper

240 100

120 11.4 8.3 12.5

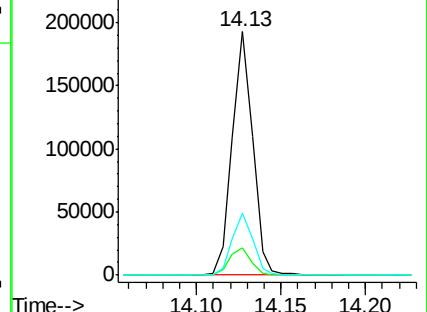
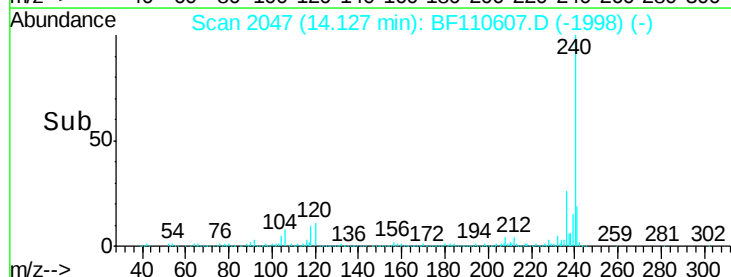
236 25.5 21.2 31.8

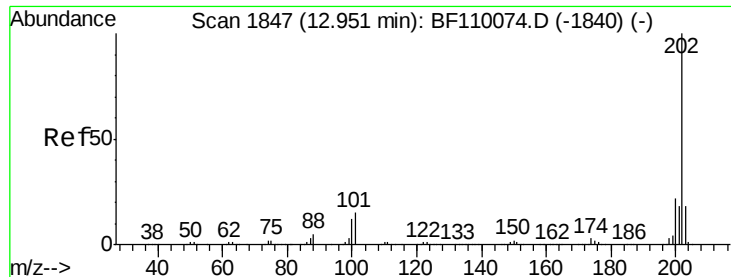


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

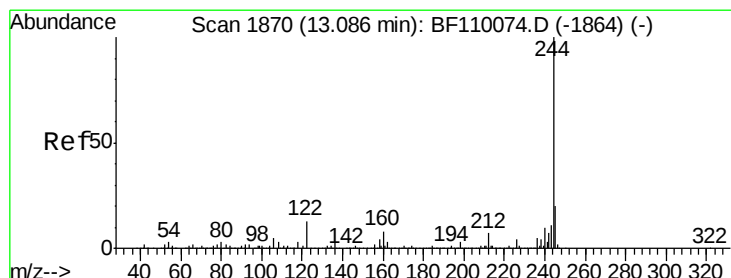
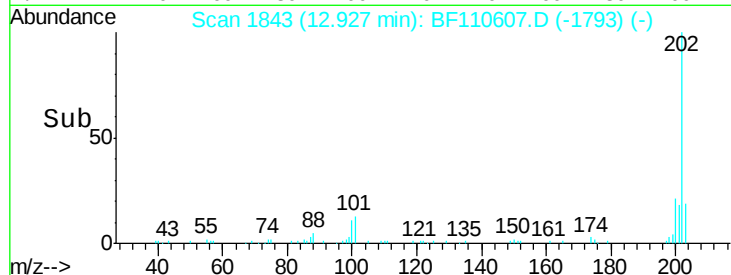
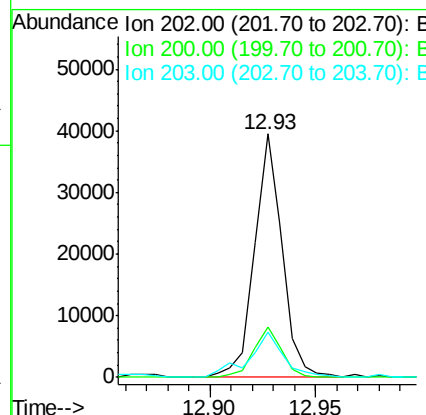
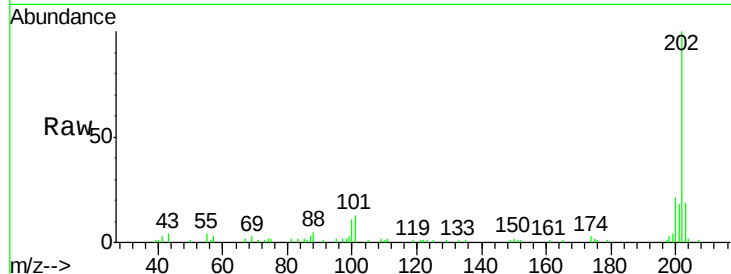




#78
Pvrene
Concen: 2.86 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110607.D
Acq: 9 Nov 2018 1:23

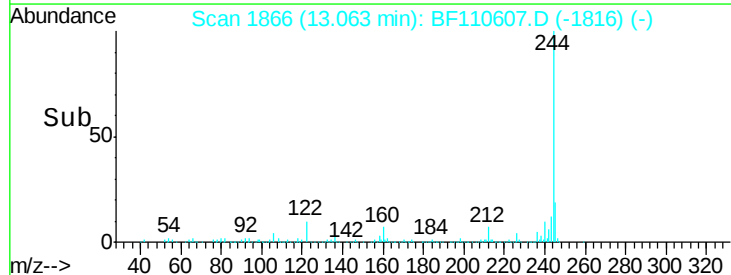
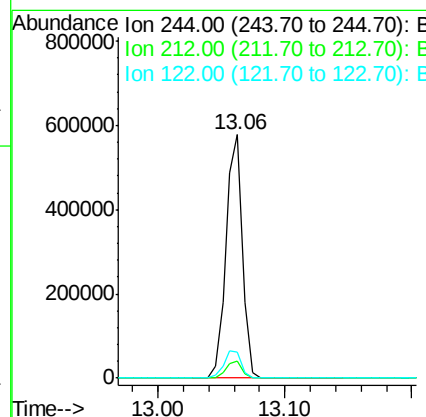
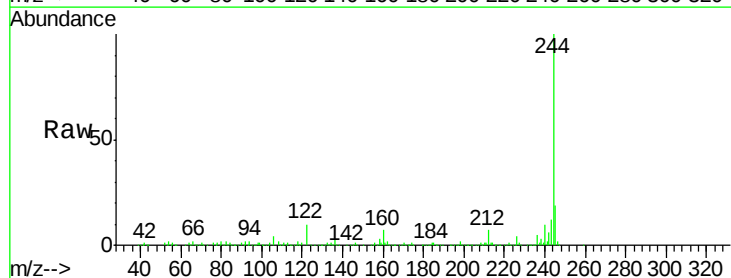
Instrument :
BNA_F
ClientSampled :

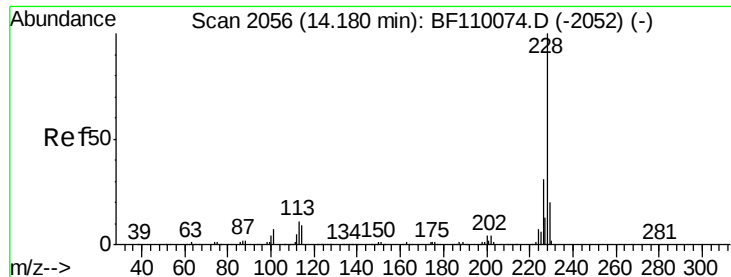
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.8	26.6
203	18.8	14.2	21.4



#79
Terphenyl-d14
Concen: 59.83 ng
RT: 13.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF110607.D
Acq: 9 Nov 2018 1:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	10.5	8.7	13.1

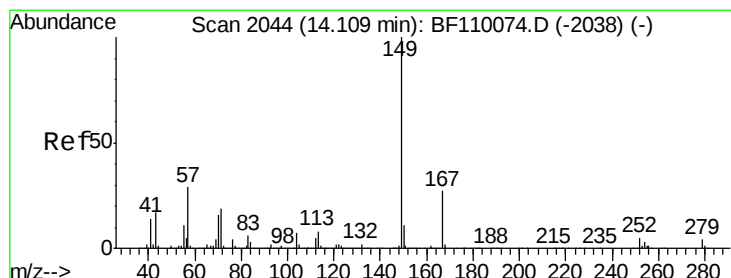
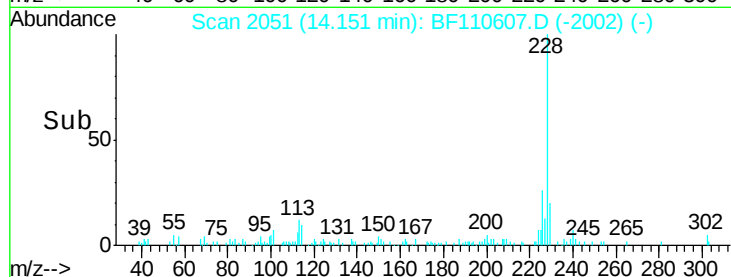
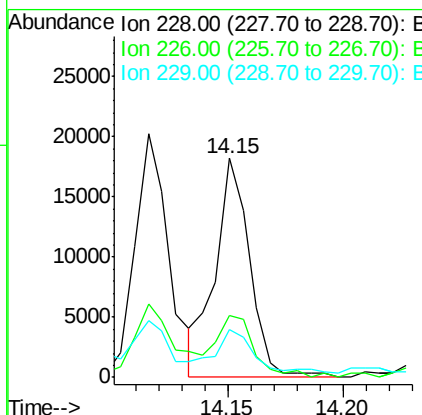
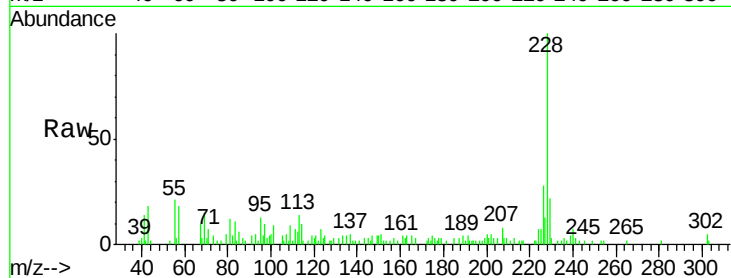




#83
 Chrysene
 Concen: 2.05 ng
 RT: 14.15 min Scan# 2051
 Delta R.T. -0.01 min
 Lab File: BF110607.D
 Acq: 9 Nov 2018 1:23

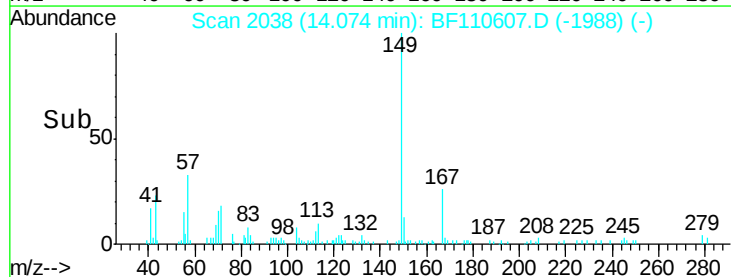
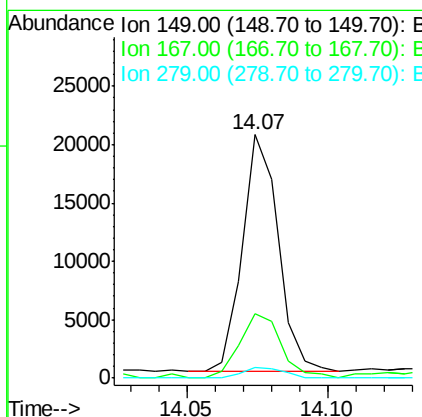
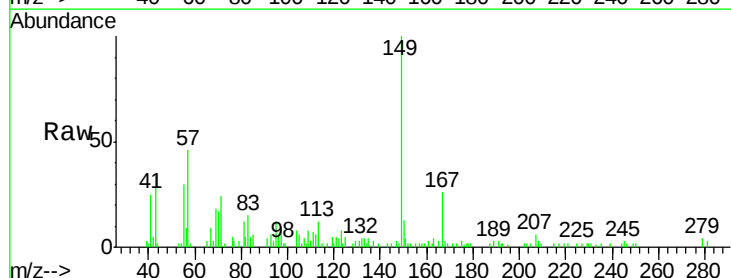
Instrument :
 BNA_F
 ClientSampleId :

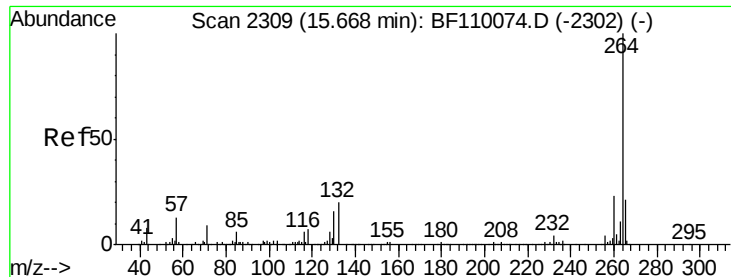
Tot Ion:228 Resp: 18969
 Ion Ratio Lower Upper
 228 100
 226 28.4 24.7 37.1
 229 22.1 15.9 23.9



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.68 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. -0.01 min
 Lab File: BF110607.D
 Acq: 9 Nov 2018 1:23

Tgt Ion:149 Resp: 17928
 Ion Ratio Lower Upper
 149 100
 167 26.4 19.8 29.8
 279 4.2 2.7 4.1#



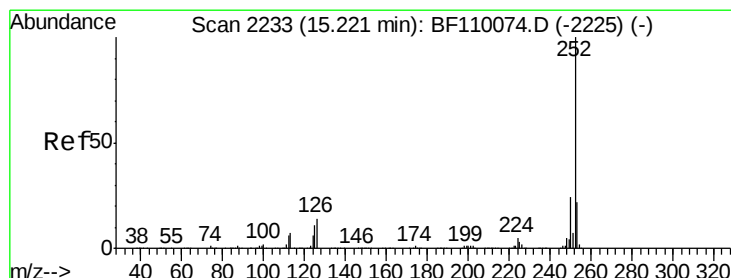
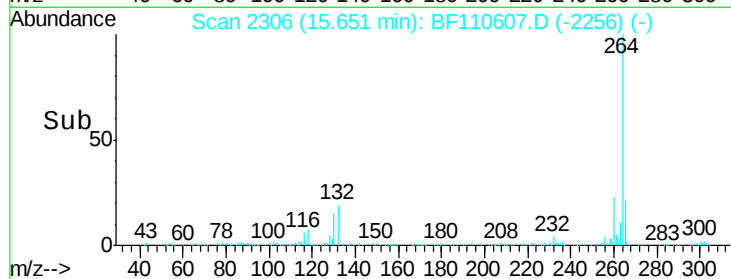
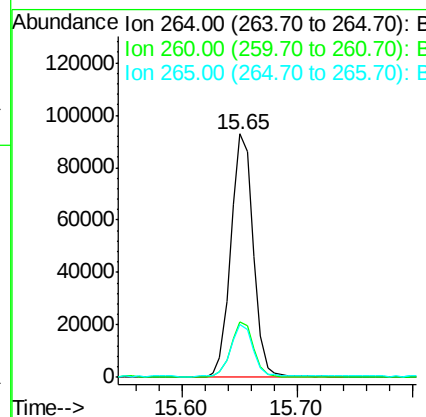
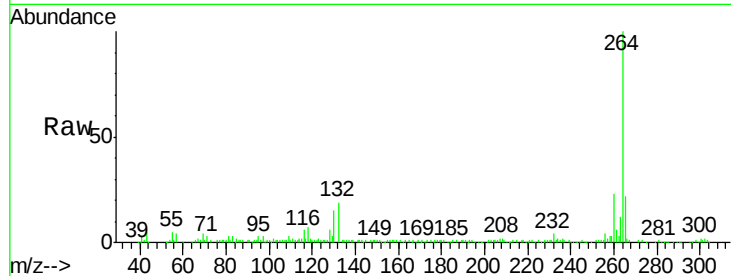


#87
Pervlene-d12
Concen: 20.00 ng
RT: 15.65 min Scan# 2306
Delta R.T. -0.01 min
Lab File: BF110607.D
Acq: 9 Nov 2018 1:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 125483

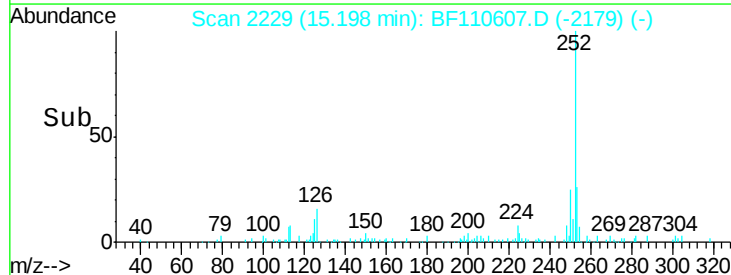
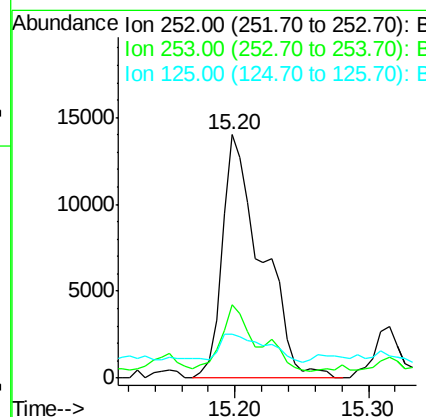
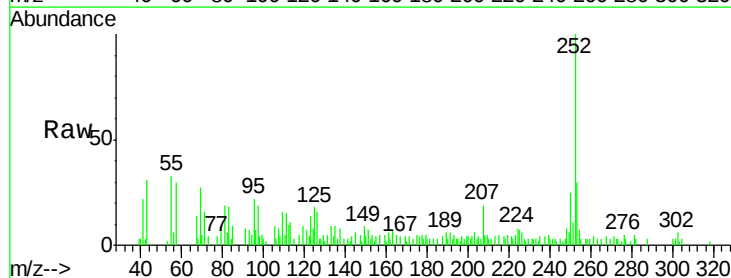
Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.7	28.1
265	21.5	16.7	25.1

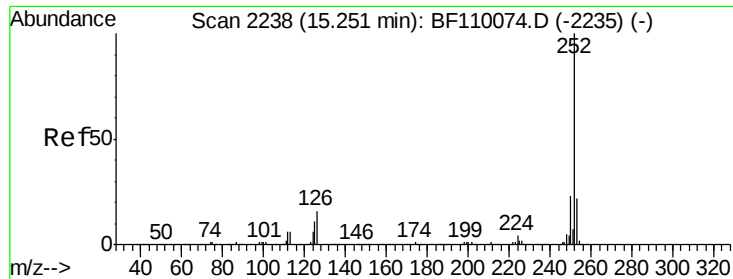


#88
Benzo(b)fluoranthene
Concen: 3.84 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF110607.D
Acq: 9 Nov 2018 1:23

Tgt Ion:252 Resp: 28837

Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.2	25.8#
125	18.0	8.2	12.4#





#89

Benzo(k)fluoranthene

Concen: 3.89 ng

RT: 15.20 min Scan# 2229

Delta R.T. -0.04 min

Lab File: BF110607.D

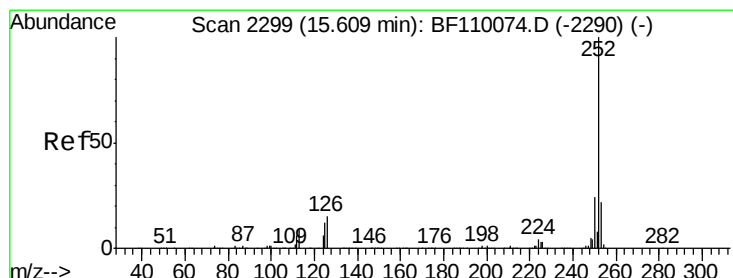
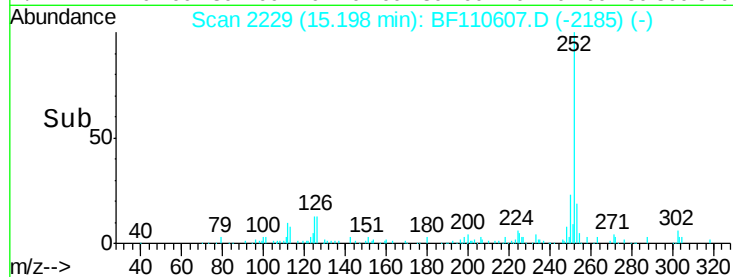
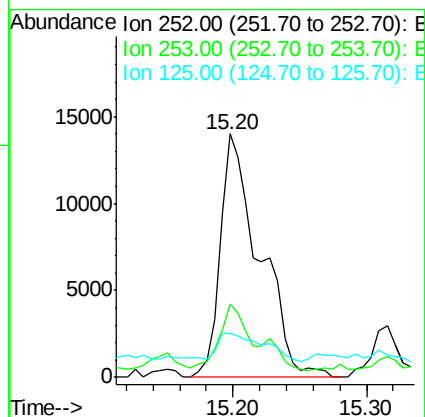
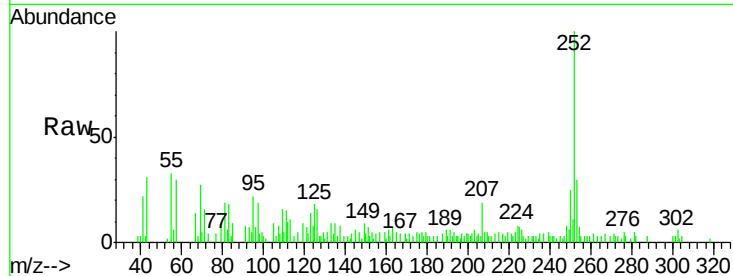
Acq: 9 Nov 2018 1:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	28837
Ion Ratio	Lower	Upper
252	100	
253	30.0	17.2 25.8#
125	18.0	7.4 11.0#



#90

Benzo(a)pyrene

Concen: 2.15 ng

RT: 15.59 min Scan# 2295

Delta R.T. -0.01 min

Lab File: BF110607.D

Acq: 9 Nov 2018 1:23

Tgt Ion:252	Resp:	14632
Ion Ratio	Lower	Upper
252	100	
253	24.6	18.2 27.4
125	21.5	9.0 13.6#

