

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
 Data File : BF110211.D
 Acq On : 26 Oct 2018 15:56
 Operator : JU/SJ
 Sample : J5621-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 23:38:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

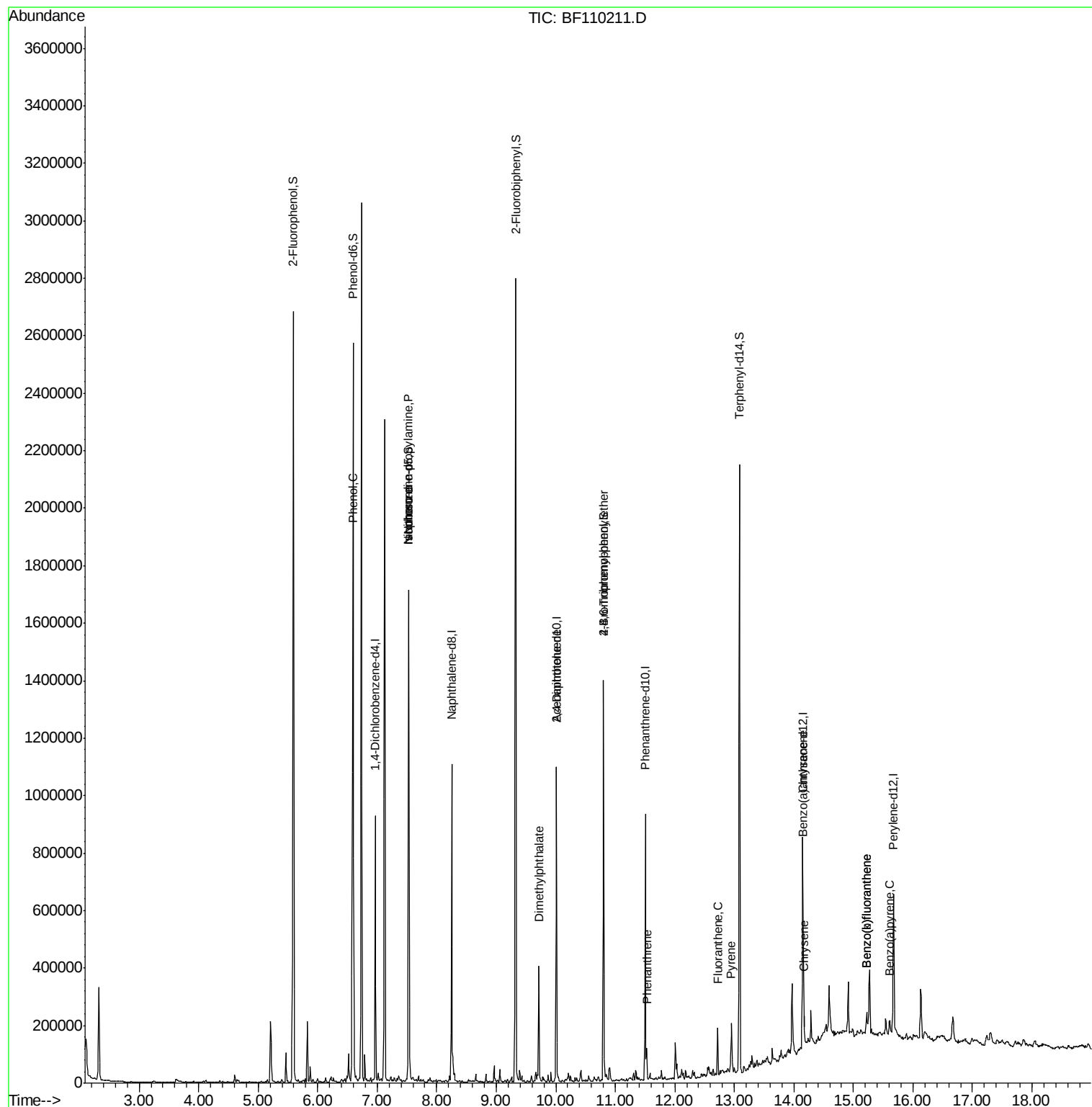
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	122447	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	480401	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	198799	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	310258	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	226223	20.00	ng	-0.01
87) Perylene-d12	15.68	264	160128	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	748590	99.56	ng	0.00
7) Phenol-d6	6.59	99	969611	100.82	ng	-0.01
23) Nitrobenzene-d5	7.53	82	600287	74.12	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	167829	85.23	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	928922	73.37	ng	-0.01
79) Terphenyl-d14	13.09	244	641235	58.95	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	136604	13.288	ng	# 64
19) n-Nitroso-di-n-propylamine	7.53	70	81021	13.131	ng	# 81
25) Isophorone	7.53	82	600140	43.469	ng	# 67
50) Dimethylphthalate	9.72	163	151162	10.301	ng	99
57) 2,4-Dinitrotoluene	10.01	165	25634	6.384	ng	# 19
67) 4-Bromophenyl-phenylether	10.80	248	10665	3.169	ng	# 1
71) Phenanthrene	11.53	178	36701	2.261	ng	99
75) Fluoranthene	12.72	202	61624	3.740	ng	97
78) Pyrene	12.95	202	58524	3.609	ng	98
81) Benzo(a)anthracene	14.14	228	27862	2.077	ng	91
83) Chrysene	14.17	228	37427	2.937	ng	96
88) Benzo(b)fluoranthene	15.22	252	52127	5.637	ng	# 89
89) Benzo(k)fluoranthene	15.22	252	52127	5.734	ng	# 88
90) Benzo(a)pyrene	15.61	252	19619	2.306	ng	# 85

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

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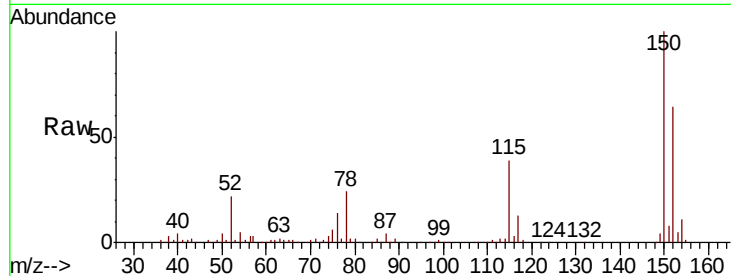


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110211.D
Acq: 26 Oct 2018 15:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	122.7	184.1
115	61.0	49.1	73.7

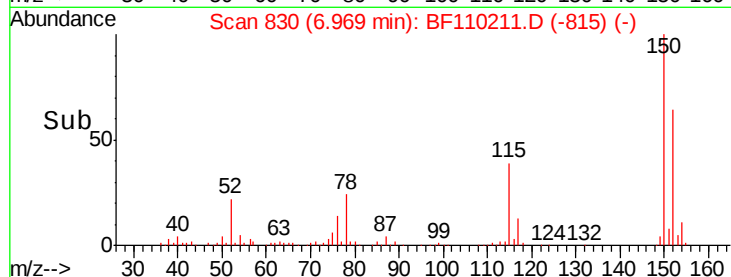
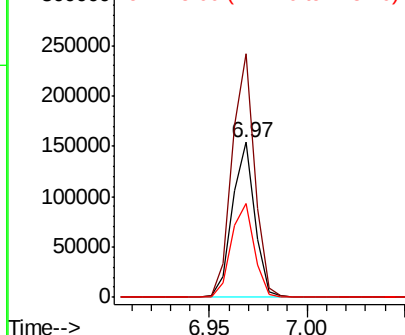


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

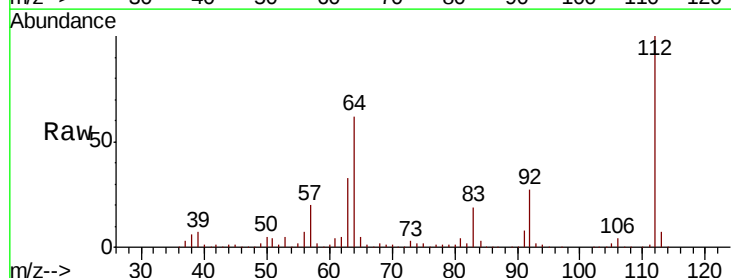
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.557 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110211.D
Acq: 26 Oct 2018 15:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	44.1	66.1
63	33.1	23.7	35.5

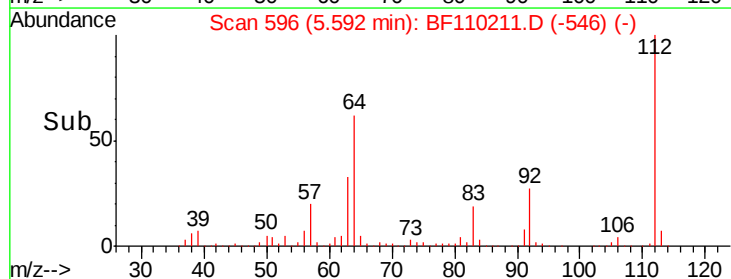
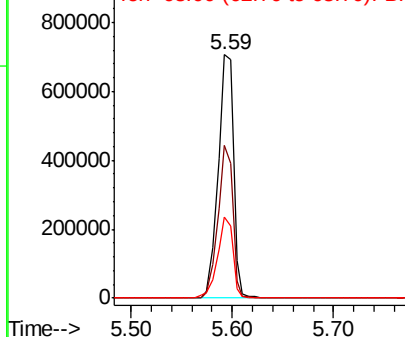


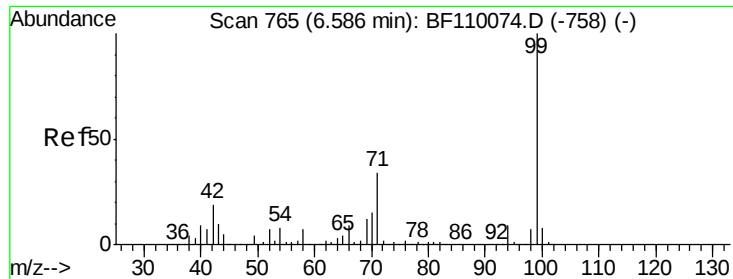
Abundance

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: 100.816 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110211.D

Acq: 26 Oct 2018 15:56

Instrument :

BNA_F

ClientSampleId :

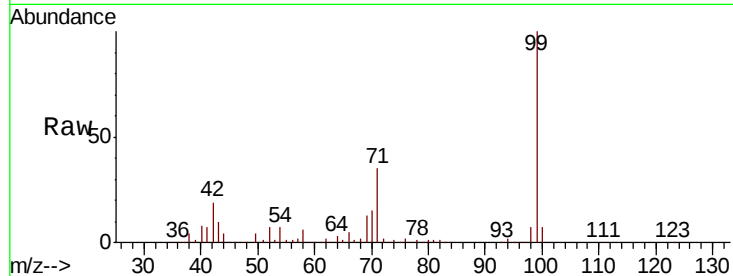
Tot Ion: 99 Resp: 969611

Ion Ratio Lower Upper

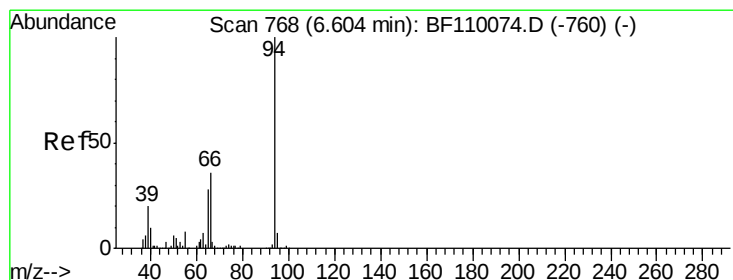
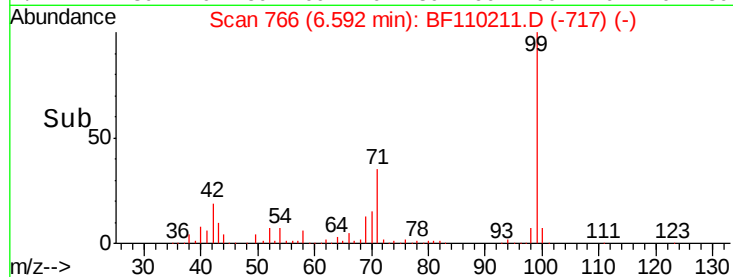
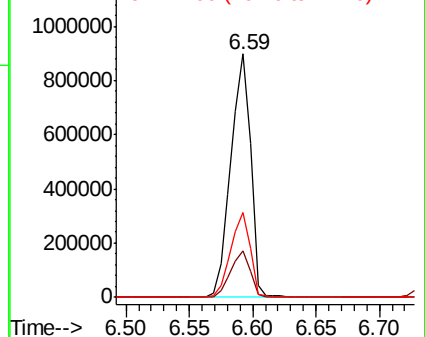
99 100

42 19.3 15.8 23.6

71 34.8 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: 13.288 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF110211.D

Acq: 26 Oct 2018 15:56

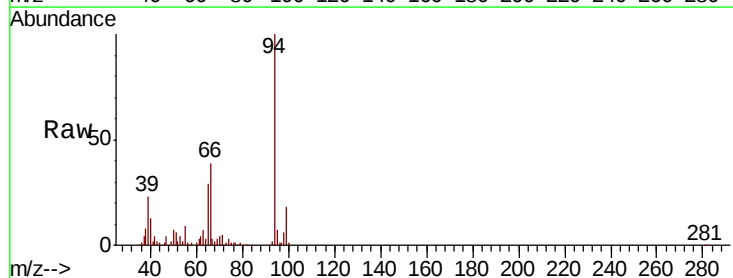
Tgt Ion: 94 Resp: 136604

Ion Ratio Lower Upper

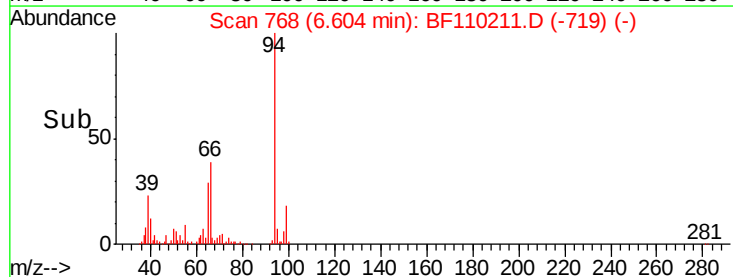
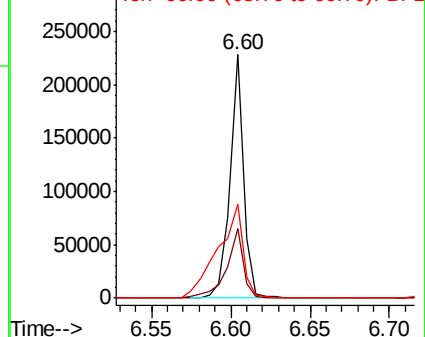
94 100

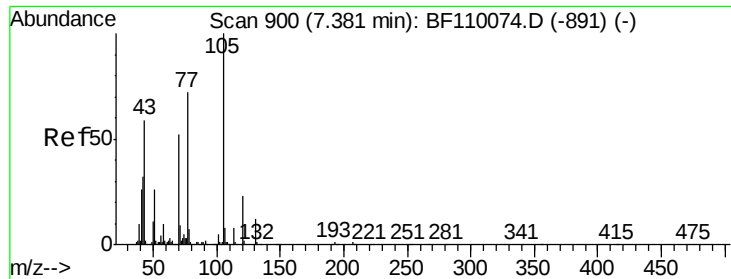
65 28.8 25.3 65.3

66 38.8 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

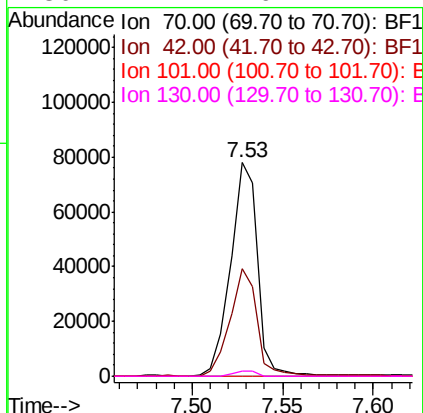
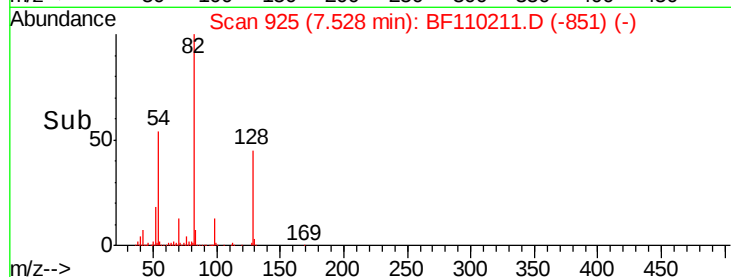
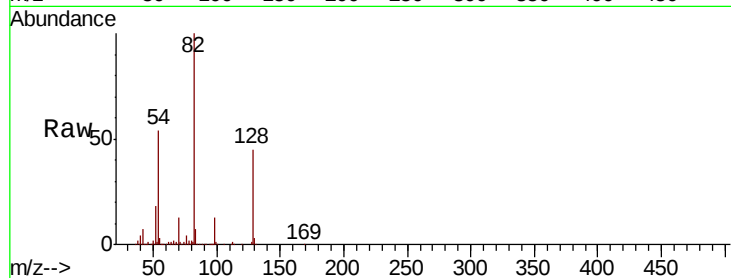




#19
n-Nitroso-di-n-propylamine
Concen: 13.131 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.14 min
Lab File: BF110211.D
Acq: 26 Oct 2018 15:56

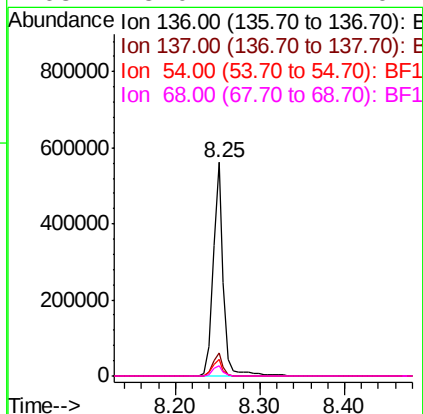
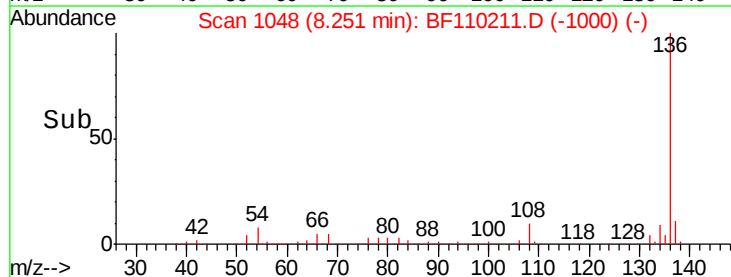
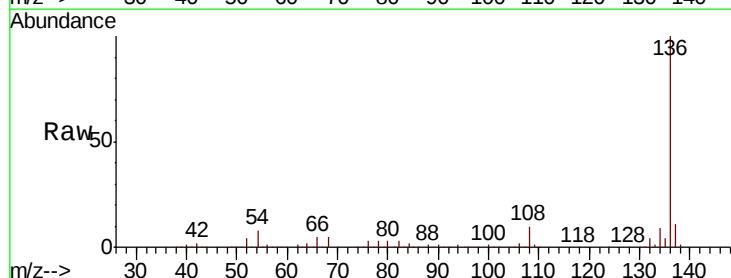
Instrument :
BNA_F
ClientSampled :

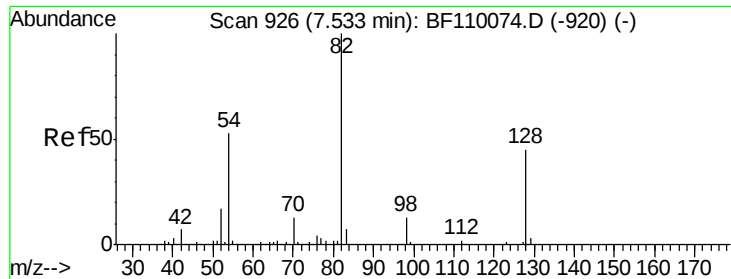
Tot Ion	Ratio	Lower	Upper
70	100		
42	50.3	47.4	71.2
101	0.0	7.3	10.9#
130	2.4	16.2	24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110211.D
Acq: 26 Oct 2018 15:56

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.5	5.4	8.2
68	5.0	4.2	6.2

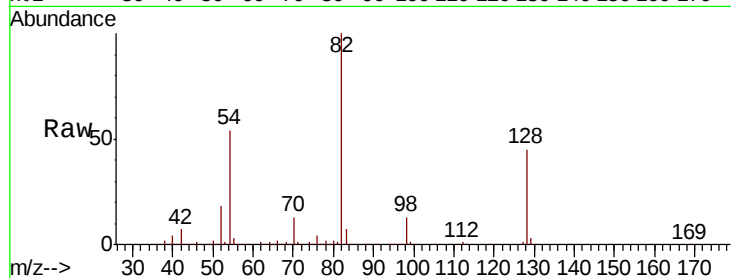




#23
Nitrobenzene-d5
Concen: 74.115 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110211.D
Acq: 26 Oct 2018 15:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	600287
Ion Ratio	Lower	Upper	
82	100		
128	44.6	34.2	51.2
54	53.6	38.6	58.0

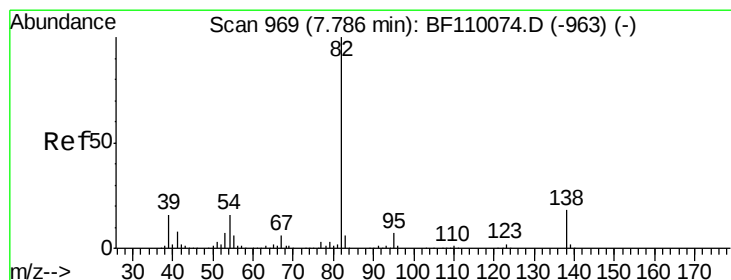
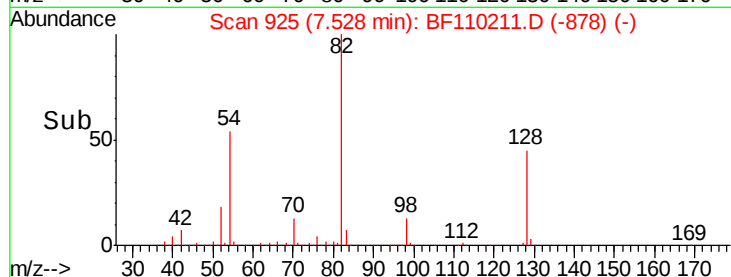
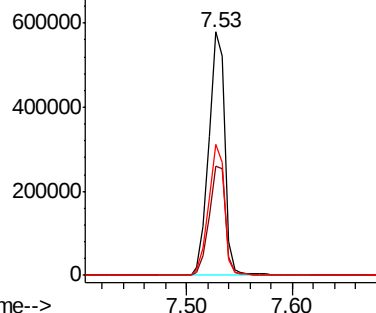


Abundance

Ion 82.00 (81.70 to 82.70): BF1

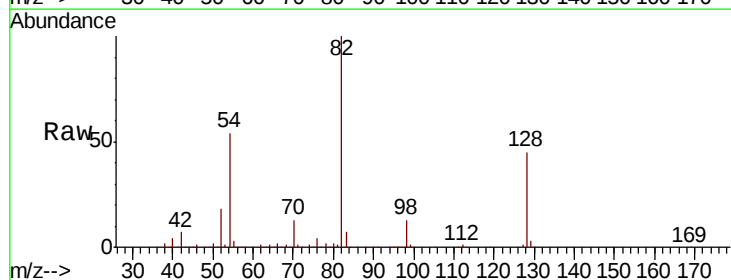
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25
Isophorone
Concen: 43.469 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.28 min
Lab File: BF110211.D
Acq: 26 Oct 2018 15:56

Tgt Ion	82	Resp	600140
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.7	8.5#
138	0.0	13.2	19.8#

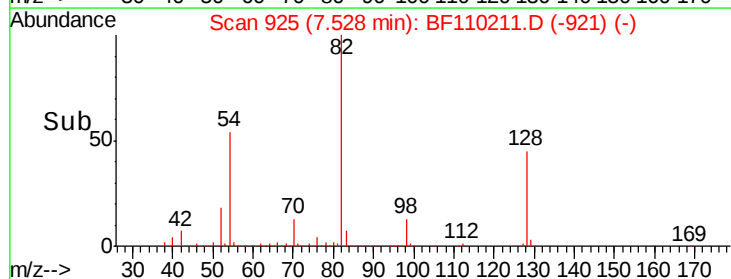
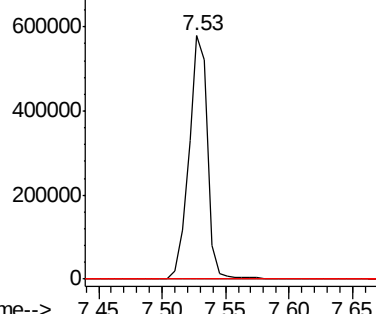


Abundance

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: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110211.D

Acq: 26 Oct 2018 15:56

Instrument :

BNA_F

ClientSampleId :

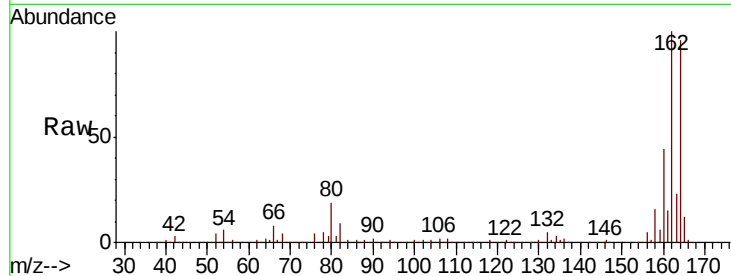
Tot Ion:164 Resp: 198799

Ion Ratio Lower Upper

164 100

162 103.6 83.0 124.6

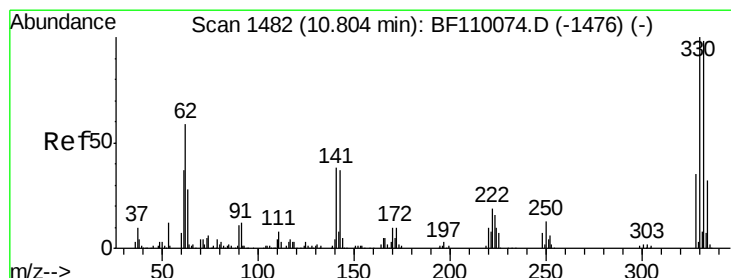
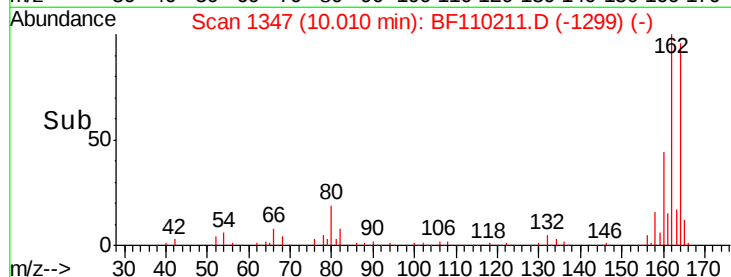
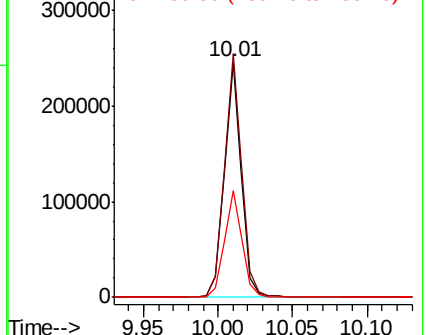
160 45.3 37.0 55.6



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: 85.225 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110211.D

Acq: 26 Oct 2018 15:56

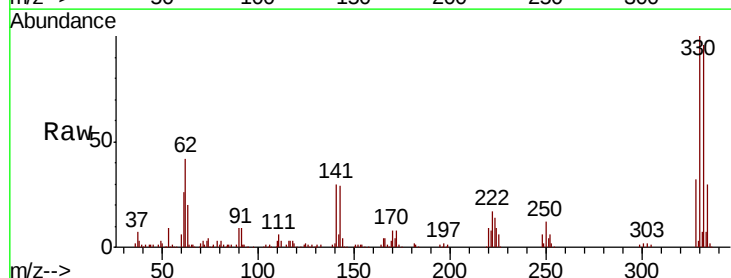
Tgt Ion:330 Resp: 167829

Ion Ratio Lower Upper

330 100

332 96.2 77.1 115.7

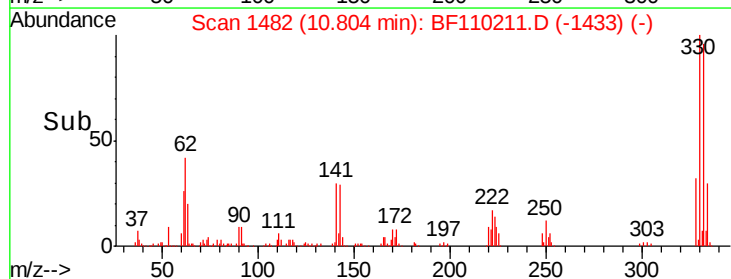
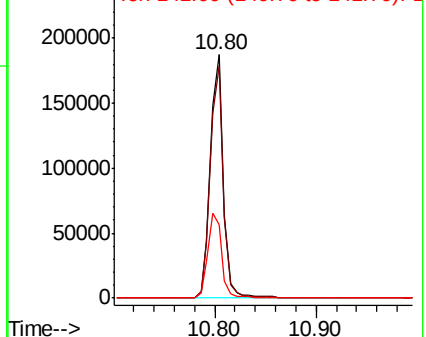
141 37.3 27.0 40.4



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

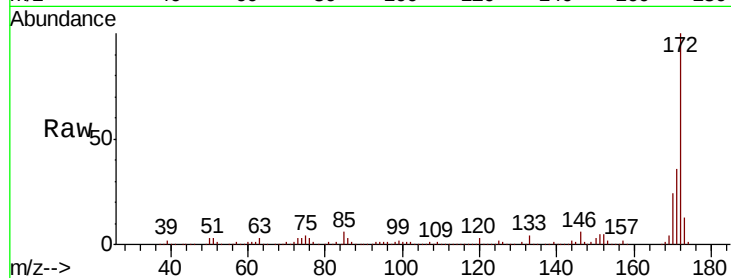




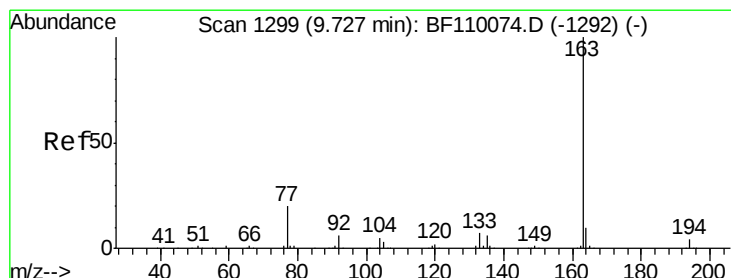
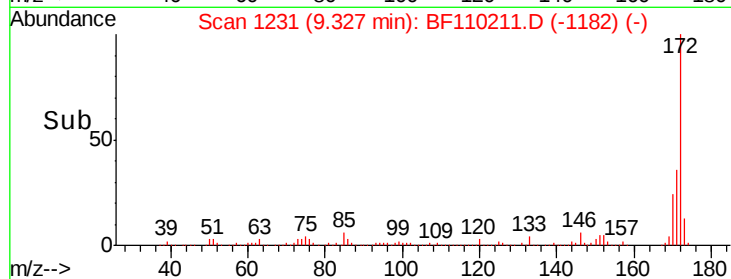
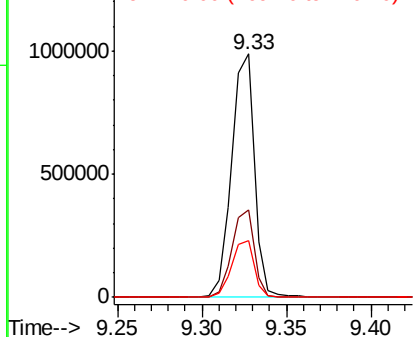
#45
2-Fluorobiphenyl
Concen: 73.373 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110211.D
Acq: 26 Oct 2018 15:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 928922
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.5 19.7 29.5

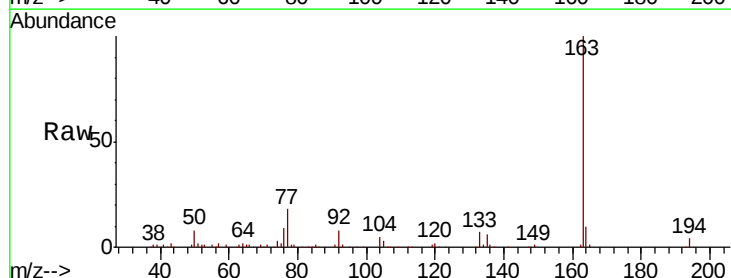


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

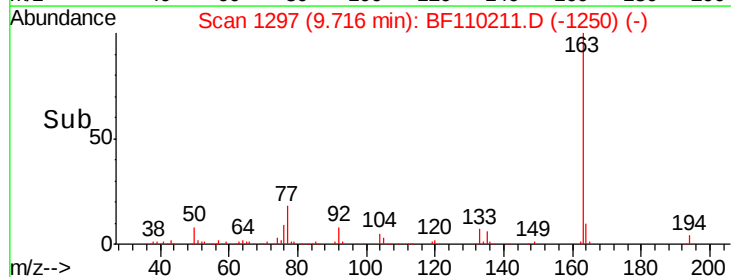
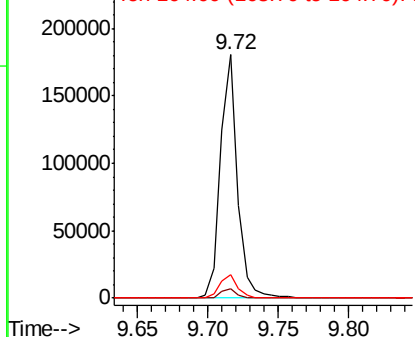


#50
Dimethylphthalate
Concen: 10.301 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110211.D
Acq: 26 Oct 2018 15:56

Tgt Ion:163 Resp: 151162
Ion Ratio Lower Upper
163 100
194 3.7 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

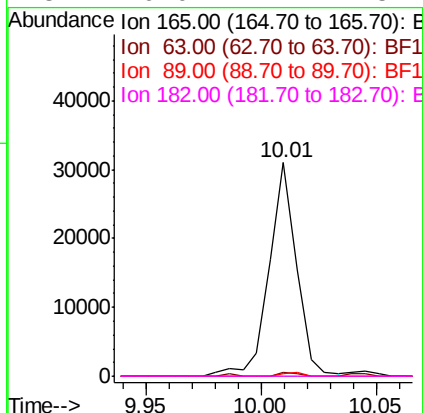
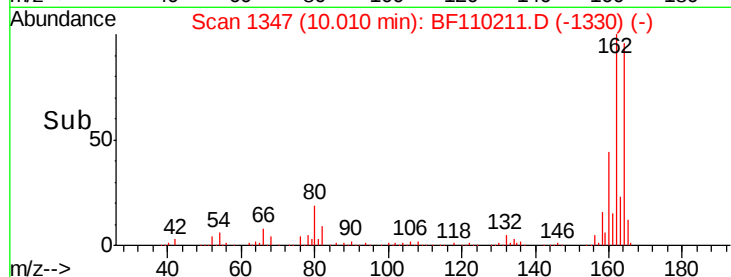
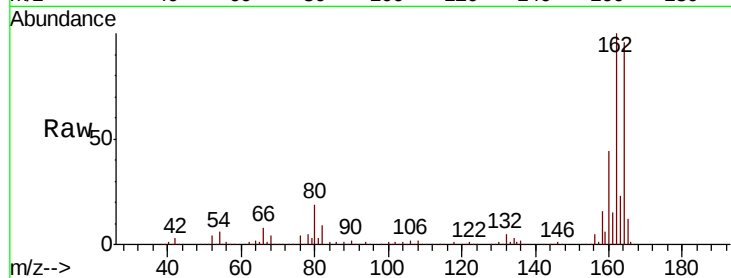




#57
 2,4-Dinitrotoluene
 Concen: 6.384 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.20 min
 Lab File: BF110211.D
 Acq: 26 Oct 2018 15:56

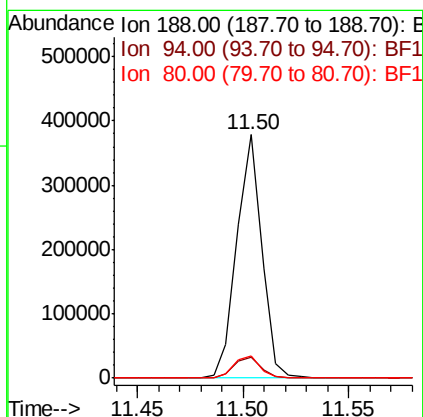
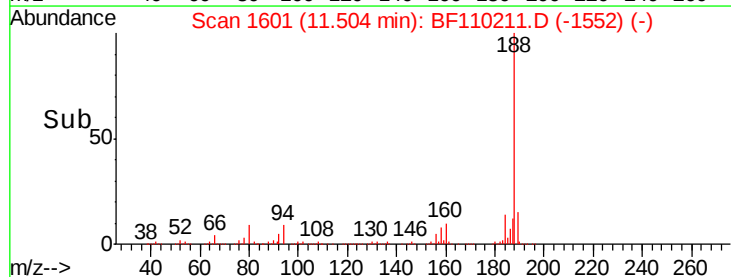
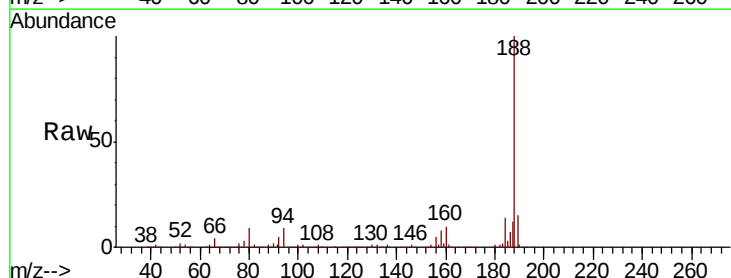
Instrument :
 BNA_F
 ClientSampleId :

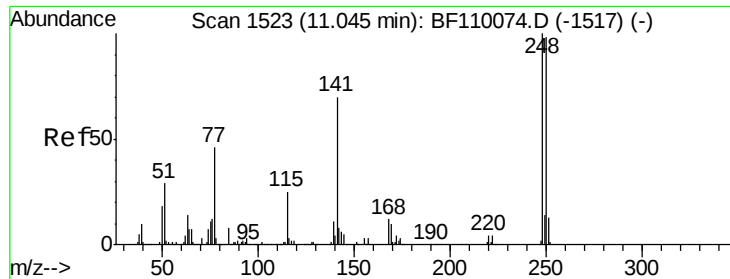
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.8	67.2#
89	1.4	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110211.D
 Acq: 26 Oct 2018 15:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.2	10.8
80	9.0	7.9	11.9

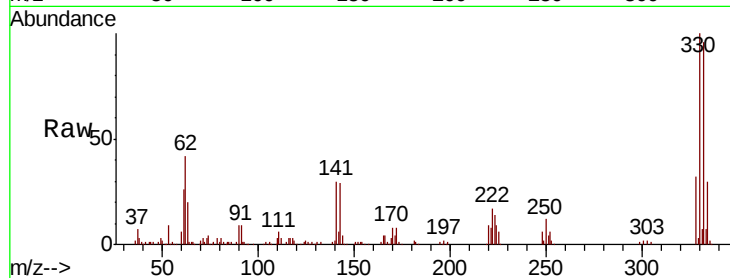




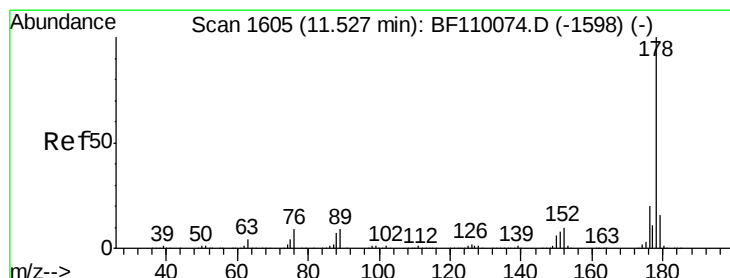
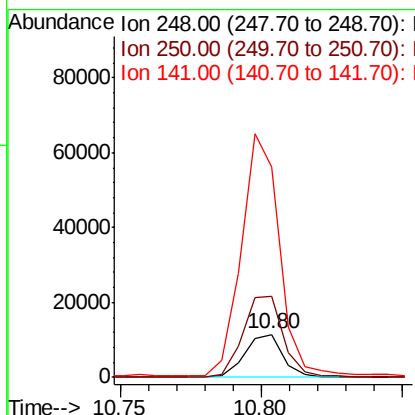
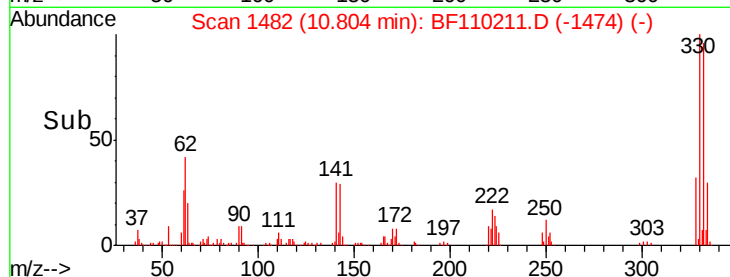
#67
 4-Bromophenyl-phenylether
 Concen: 3.169 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.25 min
 Lab File: BF110211.D
 Acq: 26 Oct 2018 15:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	189.7	79.4	119.2#
141	493.2	55.9	83.9#

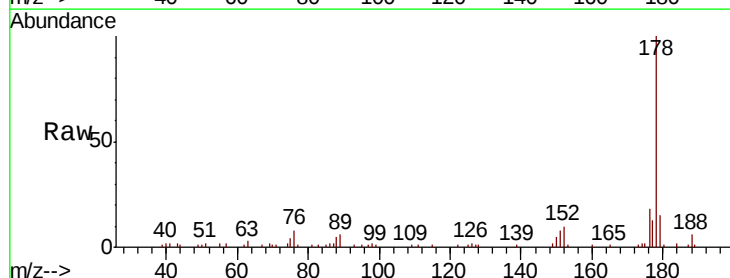


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

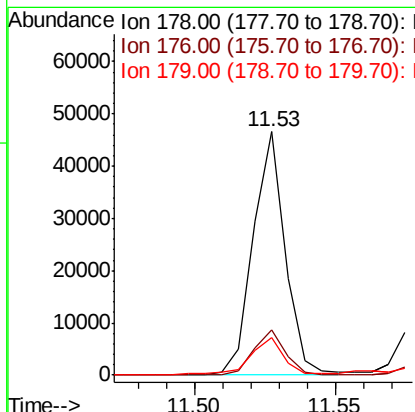
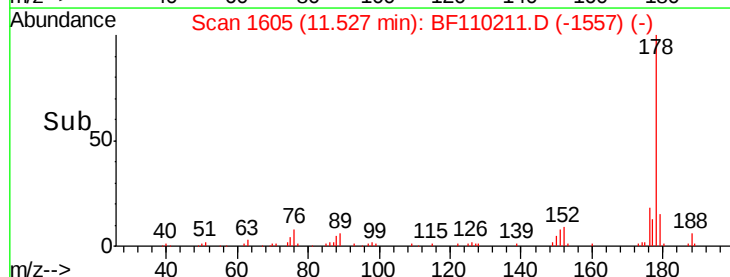


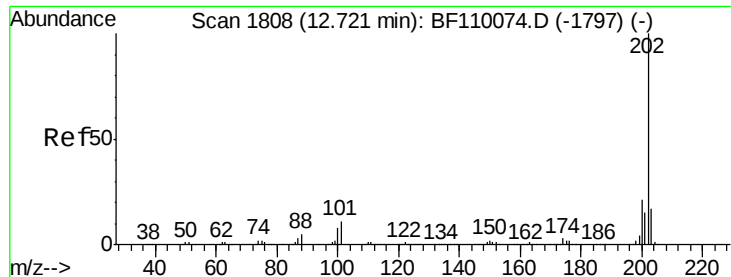
#71
 Phenanthrene
 Concen: 2.261 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.02 min
 Lab File: BF110211.D
 Acq: 26 Oct 2018 15:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.5	23.3
179	15.4	12.5	18.7



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





#75

Fluoranthene

Concen: 3.740 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF110211.D

Acq: 26 Oct 2018 15:56

Instrument :

BNA_F

ClientSampleId :

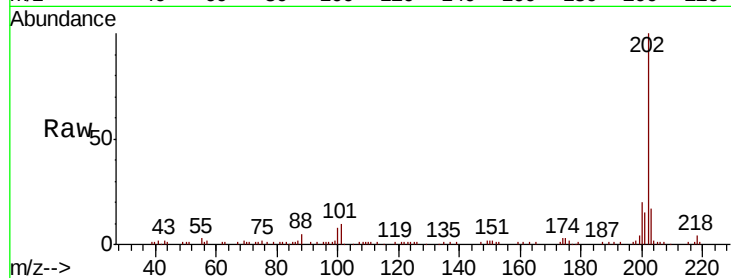
Tot Ion:202 Resp: 61624

Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.4

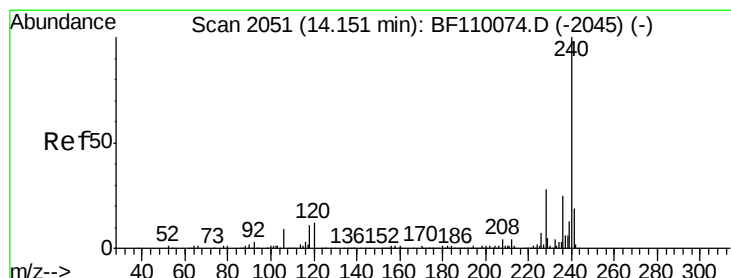
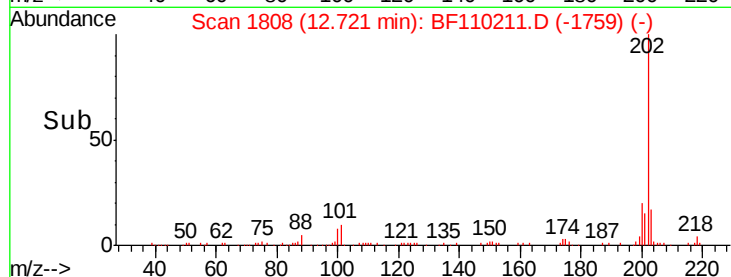
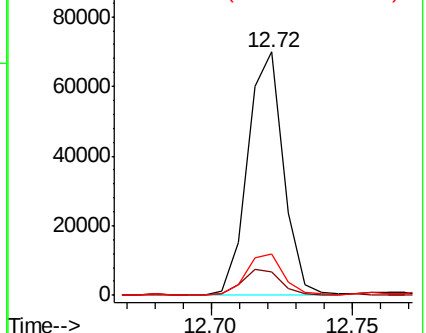
203 16.9 0.0 37.7



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: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF110211.D

Acq: 26 Oct 2018 15:56

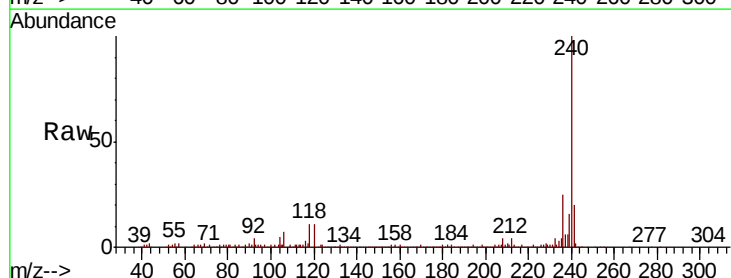
Tgt Ion:240 Resp: 226223

Ion Ratio Lower Upper

240 100

120 11.0 8.3 12.5

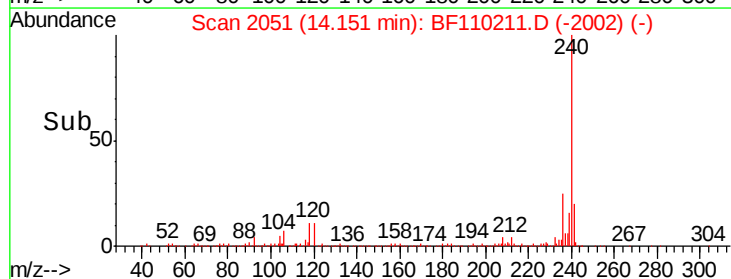
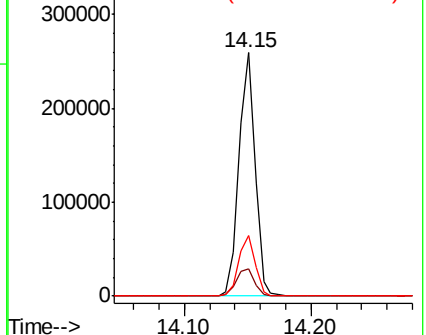
236 24.9 21.2 31.8

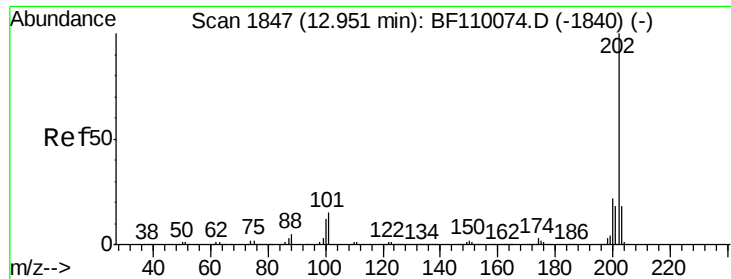


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

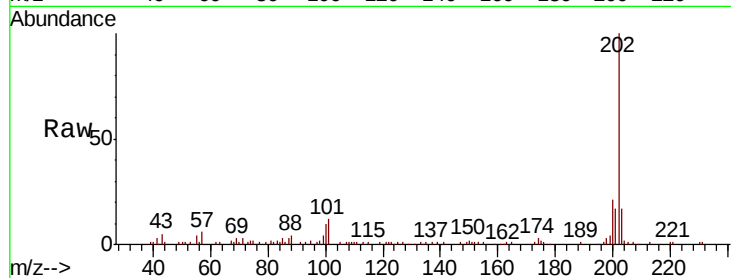




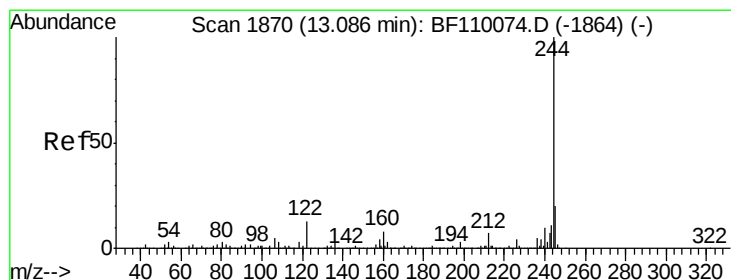
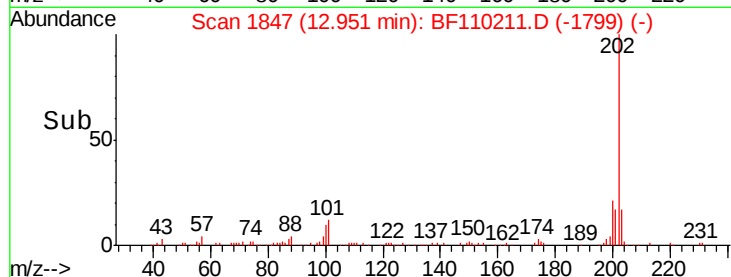
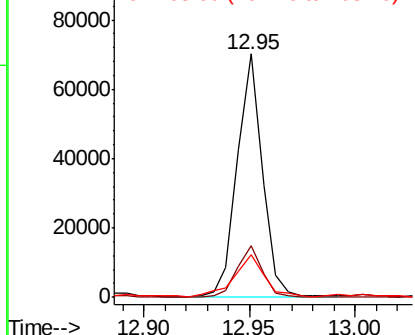
#78
Pvrene
Concen: 3.609 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110211.D
Acq: 26 Oct 2018 15:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.8	26.6
203	17.5	14.2	21.4

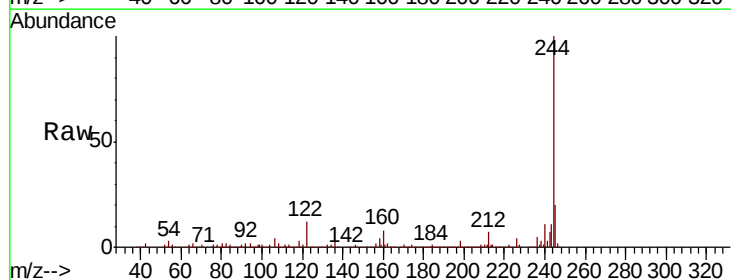


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

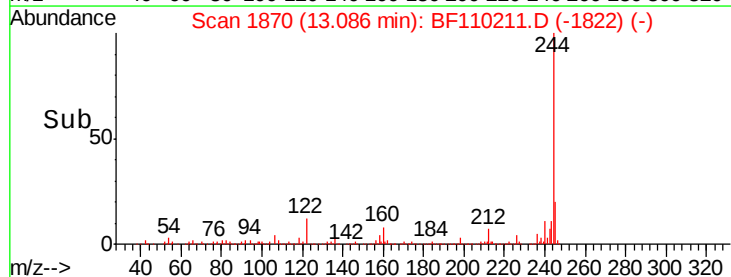
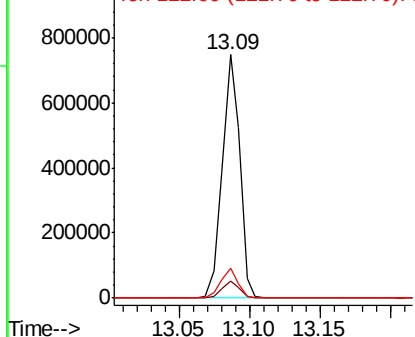


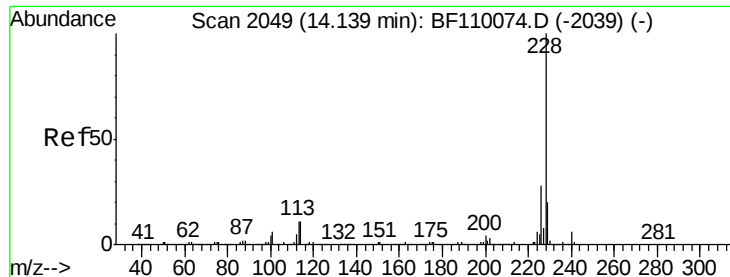
#79
Terphenyl-d14
Concen: 58.950 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BF110211.D
Acq: 26 Oct 2018 15:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	12.5	8.7	13.1



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

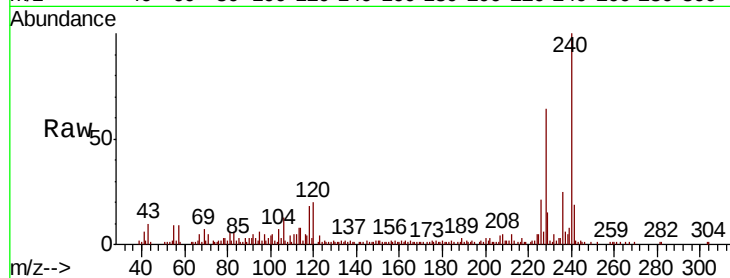




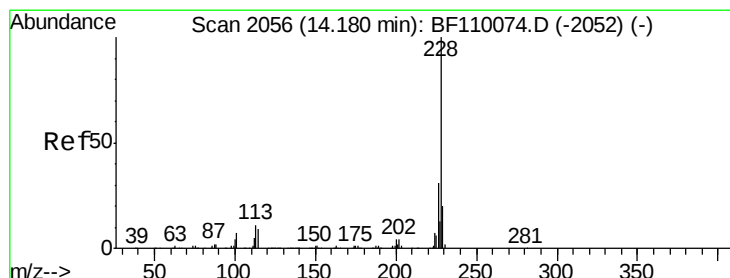
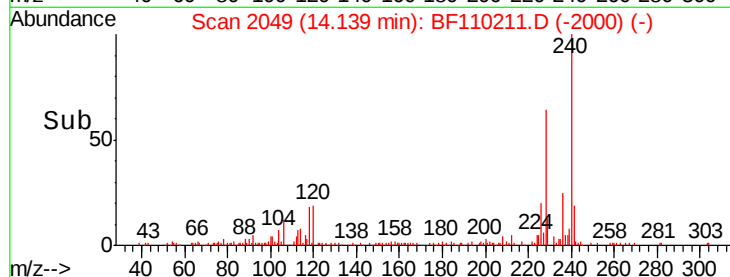
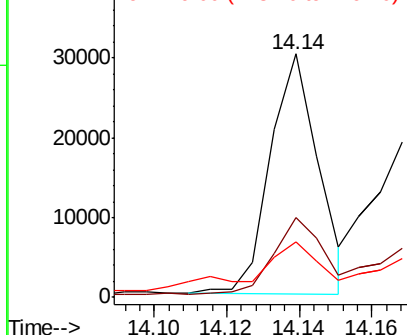
#81
Benzo(a)anthracene
Concen: 2.077 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF110211.D
Acq: 26 Oct 2018 15:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 27862
Ion Ratio Lower Upper
228 100
226 32.8 22.1 33.1
229 22.5 15.6 23.4

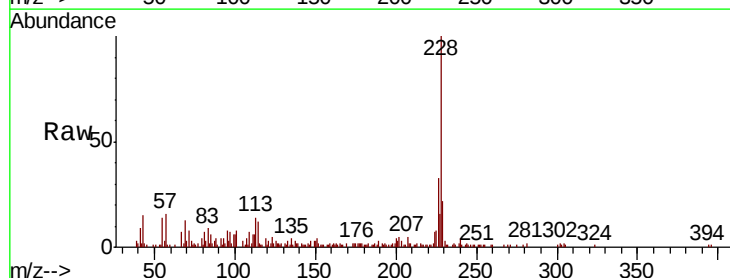


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

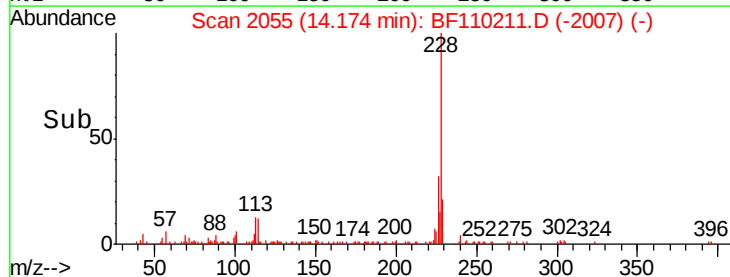
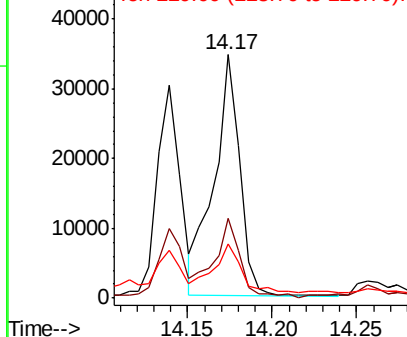


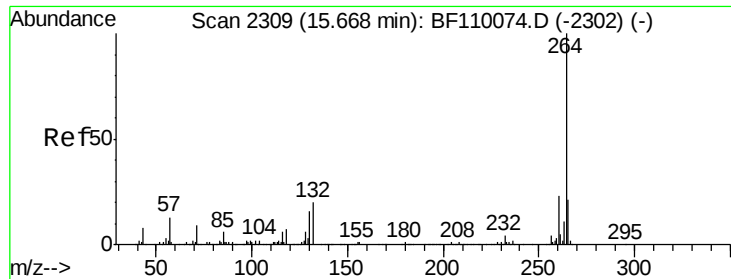
#83
Chrysene
Concen: 2.937 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.02 min
Lab File: BF110211.D
Acq: 26 Oct 2018 15:56

Tgt Ion:228 Resp: 37427
Ion Ratio Lower Upper
228 100
226 32.9 24.7 37.1
229 22.3 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

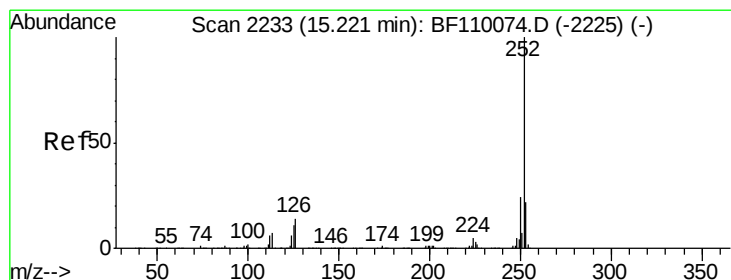
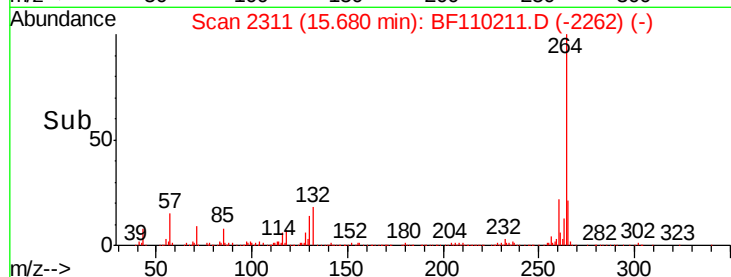
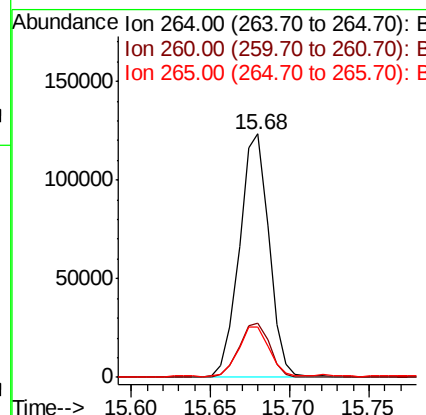
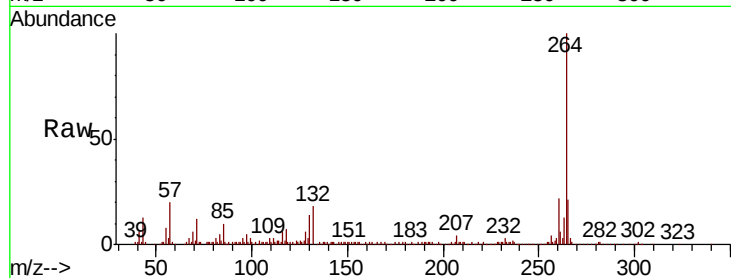




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BF110211.D
Acq: 26 Oct 2018 15:56

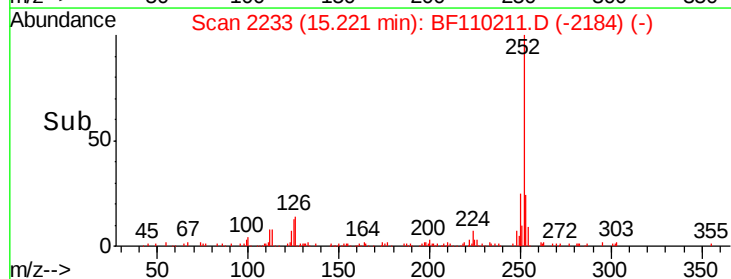
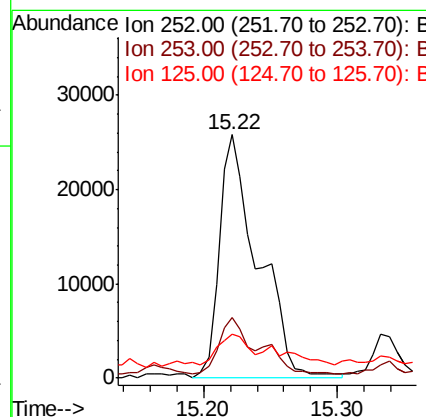
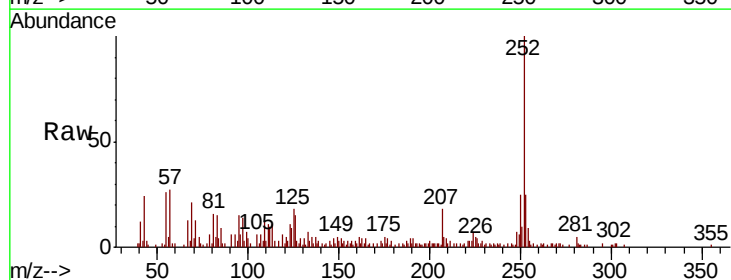
Instrument :
BNA_F
ClientSampleId :

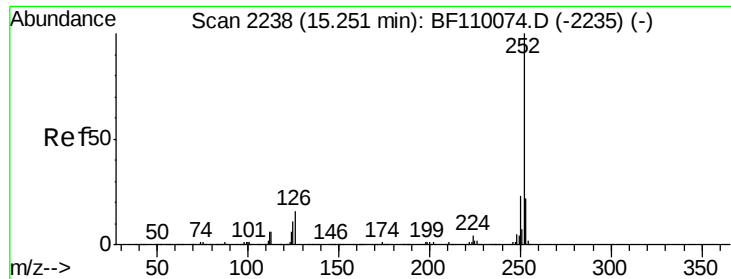
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.7	28.1
265	20.9	16.7	25.1



#88
Benzo(b)fluoranthene
Concen: 5.637 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF110211.D
Acq: 26 Oct 2018 15:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.2	25.8
125	17.9	8.2	12.4#

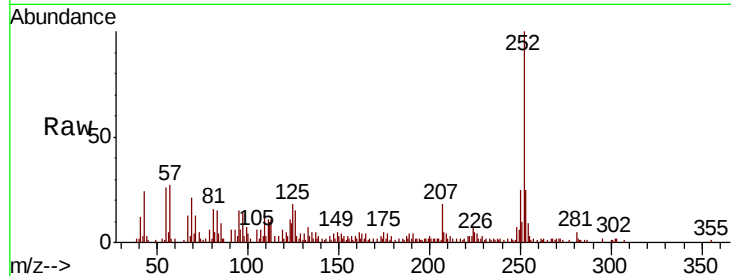




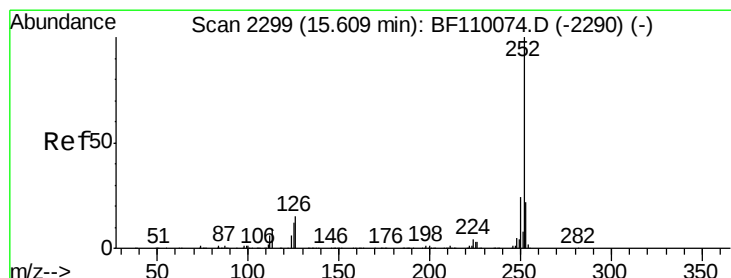
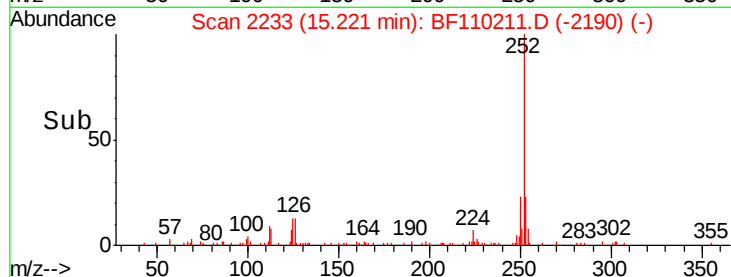
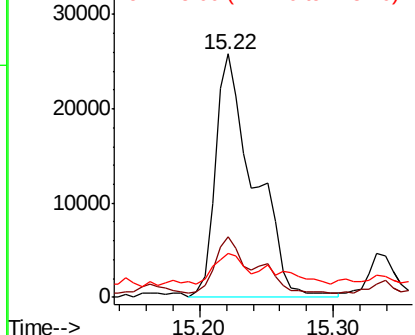
#89
Benzo(k)fluoranthene
Concen: 5.734 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.05 min
Lab File: BF110211.D
Acq: 26 Oct 2018 15:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.2	25.8
125	17.9	7.4	11.0

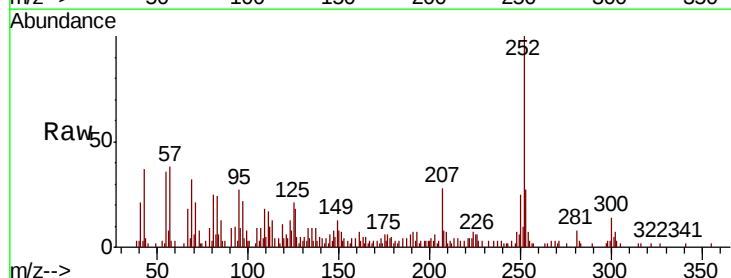


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.306 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.02 min
Lab File: BF110211.D
Acq: 26 Oct 2018 15:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.2	27.4
125	21.5	9.0	13.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

