

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101518\
 Data File : BF109890.D
 Acq On : 15 Oct 2018 20:20
 Operator : JU/SJ
 Sample : J5193-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 01:24:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 15 18:09:48 2018
 Response via : Initial Calibration

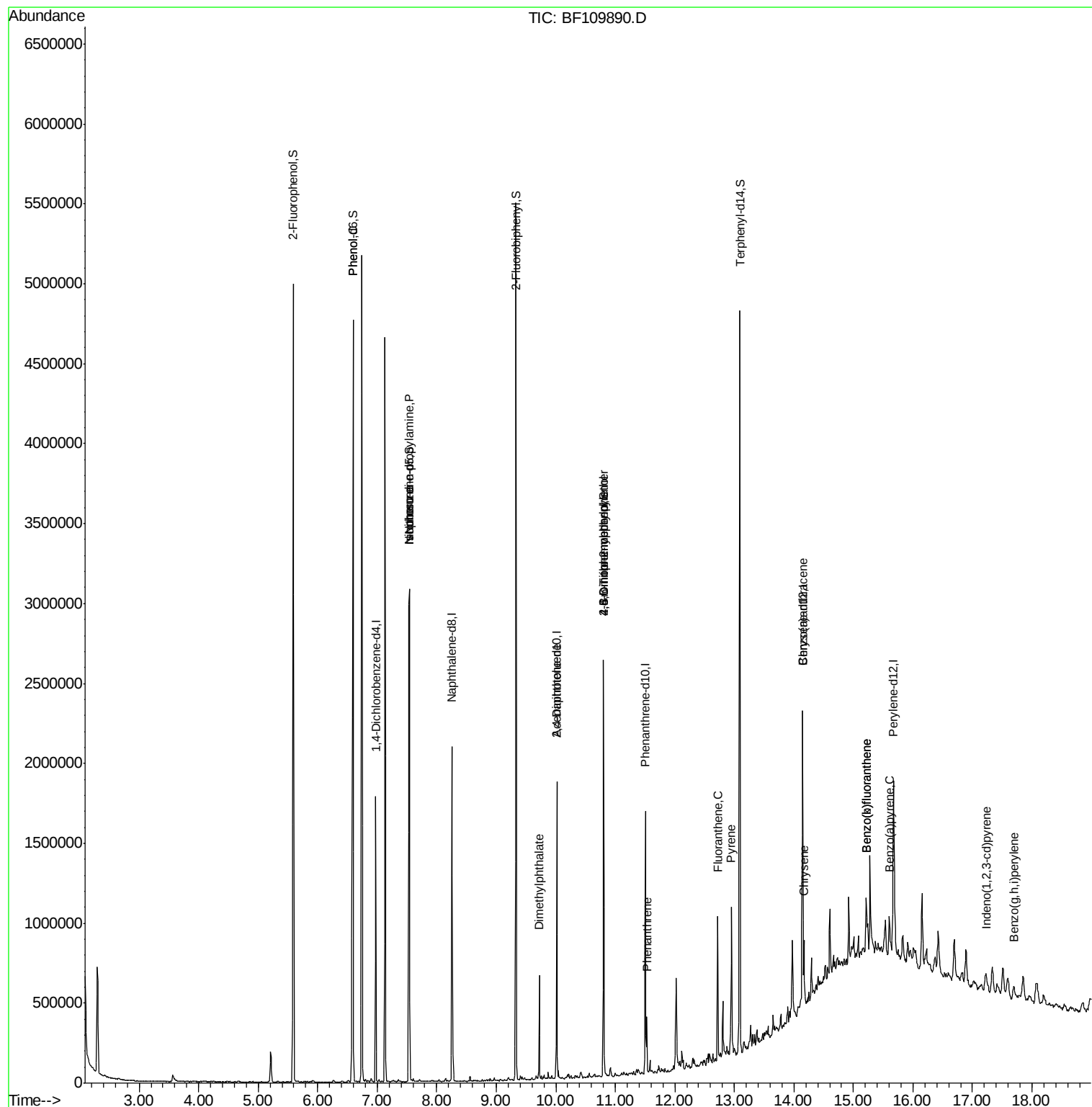
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	236155	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	827017	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	312321	20.00	ng	0.00
64) Phenanthrene-d10	11.50	188	538977	20.00	ng	0.00
76) Chrysene-d12	14.14	240	575694	20.00	ng	0.00
87) Perylene-d12	15.67	264	430341	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1391533	93.40	ng	0.00
7) Phenol-d6	6.59	99	1683685	91.01	ng	0.00
23) Nitrobenzene-d5	7.54	82	1021862	83.23	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	270973	100.21	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	1592395	81.36	ng	0.00
79) Terphenyl-d14	13.09	244	1486231	54.21	ng	0.00
Target Compounds						
10) Phenol	6.60	94	49993	2.503	ng	88
19) n-Nitroso-di-n-propylamine	7.54	70	138062	11.623	ng	# 81
25) Isophorone	7.54	82	1021834	42.360	ng	# 67
50) Dimethylphthalate	9.72	163	205733	9.303	ng	100
57) 2,4-Dinitrotoluene	10.02	165	40571	11.499	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	602	8.162	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	16571	2.837	ng	# 1
71) Phenanthrene	11.53	178	112050	4.016	ng	97
75) Fluoranthene	12.72	202	335208	12.025	ng	100
78) Pyrene	12.95	202	315026	7.450	ng	97
81) Benzo(a)anthracene	14.14	228	161442	4.761	ng	96
83) Chrysene	14.17	228	170166	5.272	ng	98
86) Indeno(1,2,3-cd)pyrene	17.22	276	65070	2.504	ng	96
88) Benzo(b)fluoranthene	15.22	252	244083	9.838	ng	# 89
89) Benzo(k)fluoranthene	15.22	252	244083	9.981	ng	# 88
90) Benzo(a)pyrene	15.60	252	114490	5.017	ng	# 92
92) Benzo(a,h,i)perylene	17.70	276	67970	3.327	ng	# 90

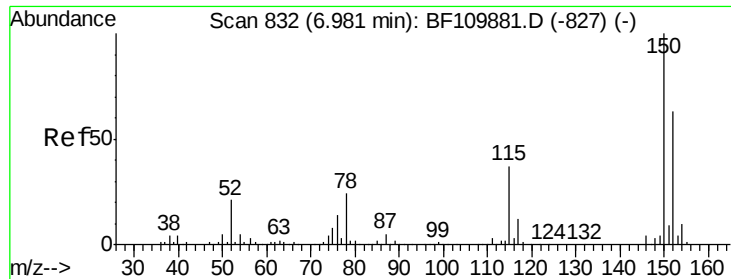
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101518\
Data File : BF109890.D
Acq On : 15 Oct 2018 20:20
Operator : JU/SJ
Sample : J5193-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 16 01:24:59 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 15 18:09:48 2018
Response via : Initial Calibration



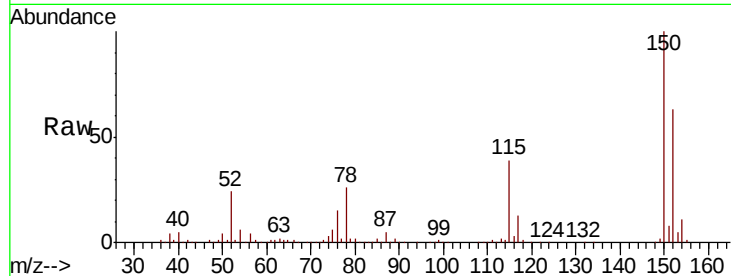


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	122.7	184.1
115	61.7	49.1	73.7

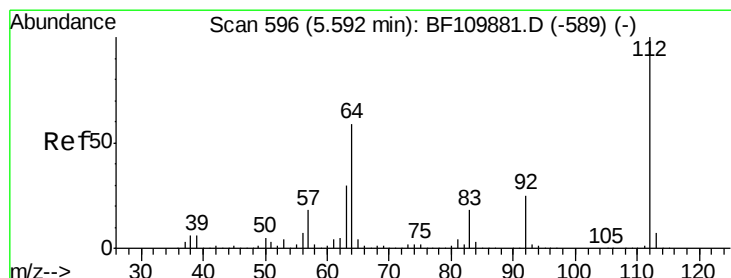
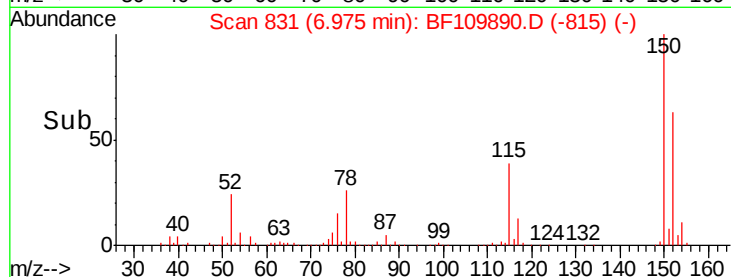
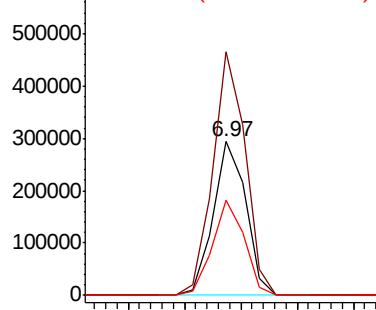


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

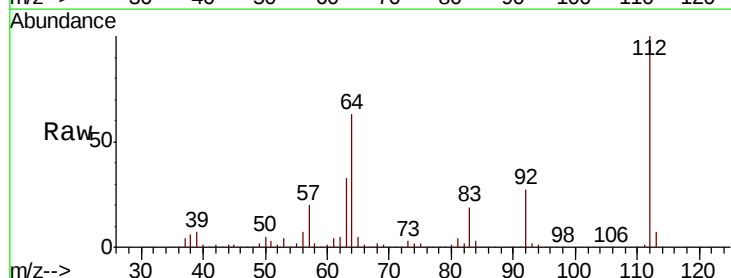
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 93.403 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	44.1	66.1
63	32.8	23.7	35.5

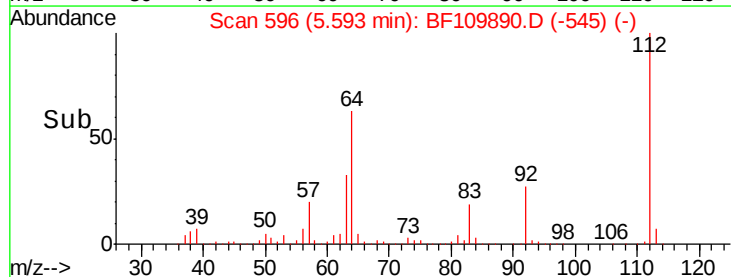
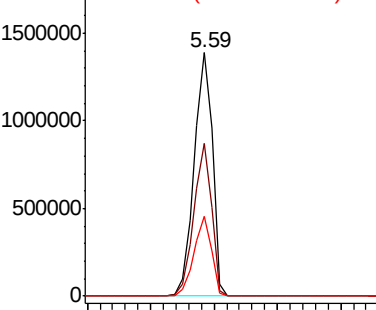


Abundance

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: 91.012 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF109890.D

Acq: 15 Oct 2018 20:20

Instrument :

BNA_F

ClientSampleId :

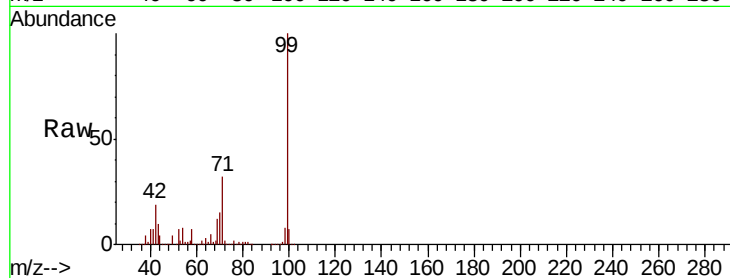
Tot Ion: 99 Resp: 1683685

Ion Ratio Lower Upper

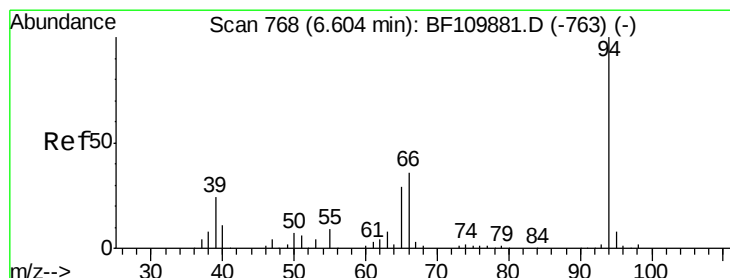
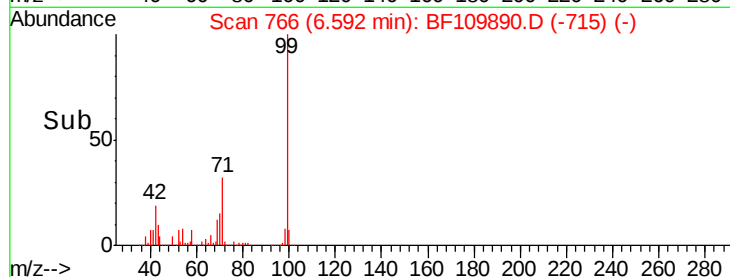
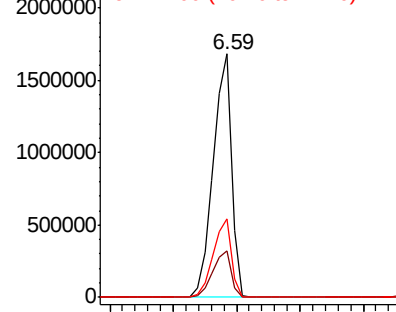
99 100

42 19.2 15.8 23.6

71 32.4 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: 2.503 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF109890.D

Acq: 15 Oct 2018 20:20

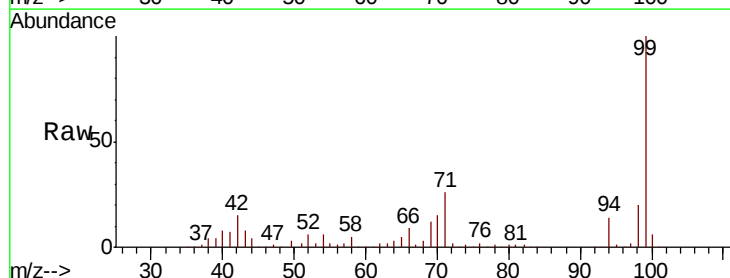
Tgt Ion: 94 Resp: 49993

Ion Ratio Lower Upper

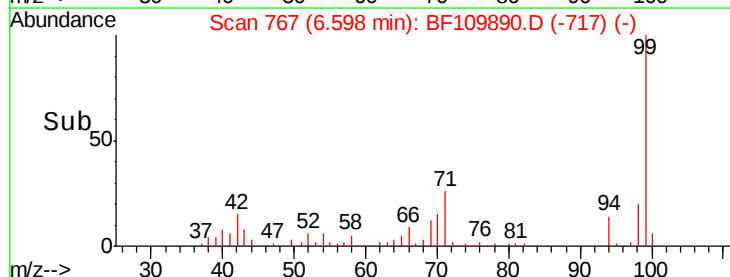
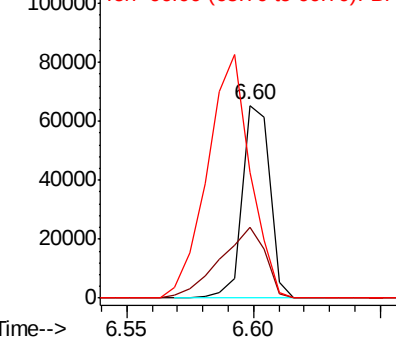
94 100

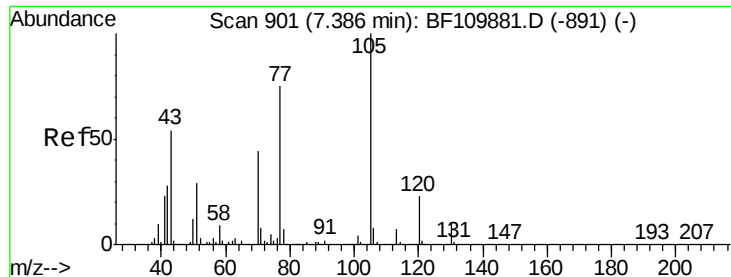
65 37.0 25.3 65.3

66 65.2 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

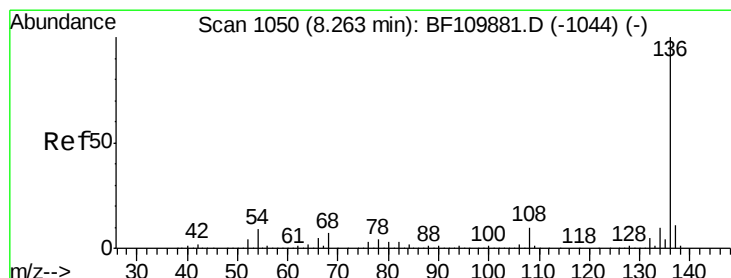
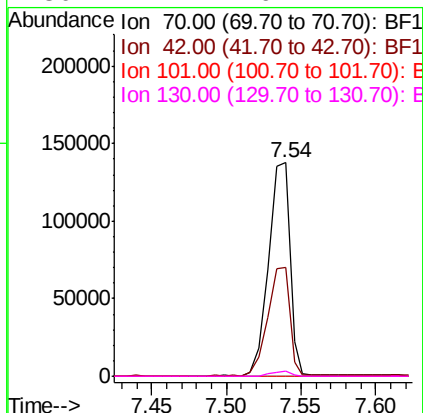
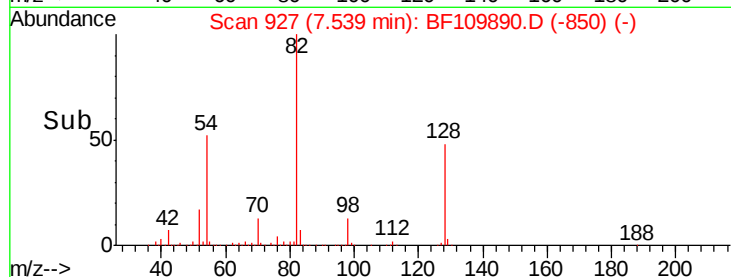
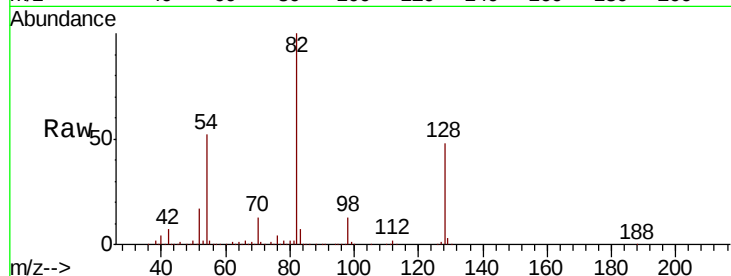




#19
n-Nitroso-di-n-propylamine
Concen: 11.623 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.15 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

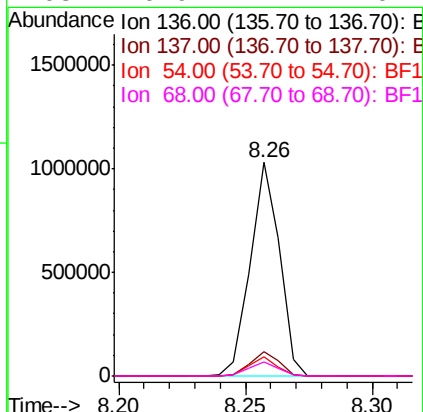
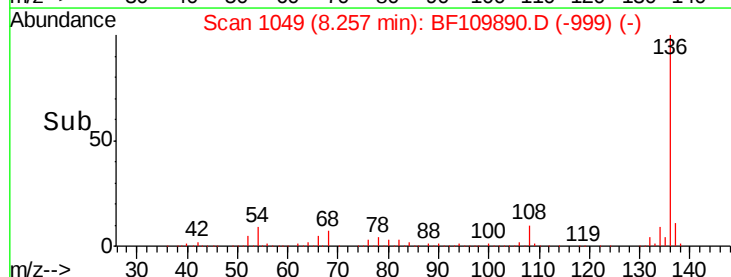
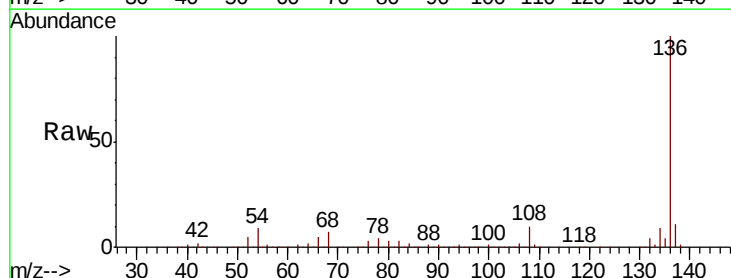
Instrument :
BNA_F
ClientSampleId :

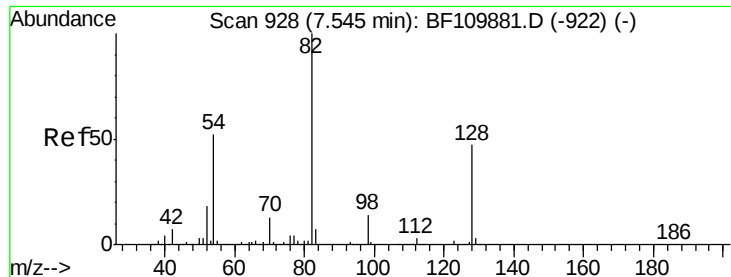
Tot Ion: 70 Resp: 138062
Ion Ratio Lower Upper
70 100
42 50.7 47.4 71.2
101 0.0 7.3 10.9#
130 2.2 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion:136 Resp: 827017
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 9.1 5.4 8.2#
68 6.9 4.2 6.2#

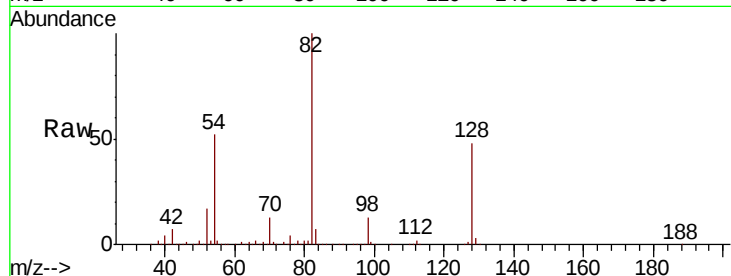




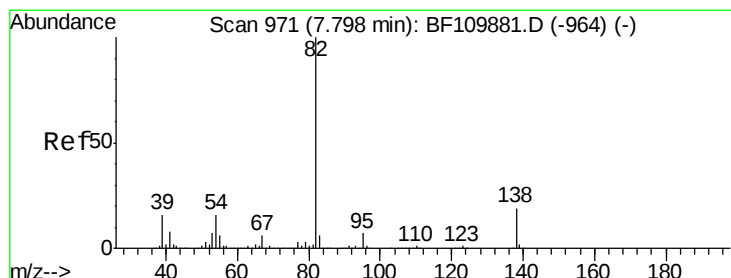
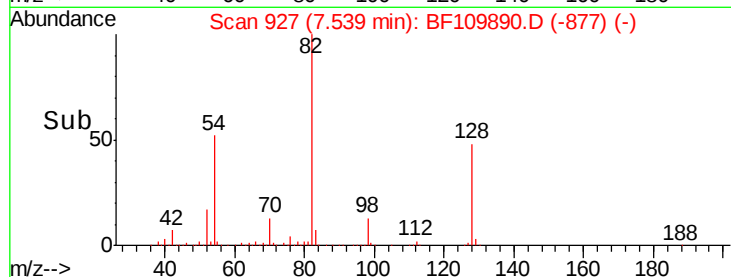
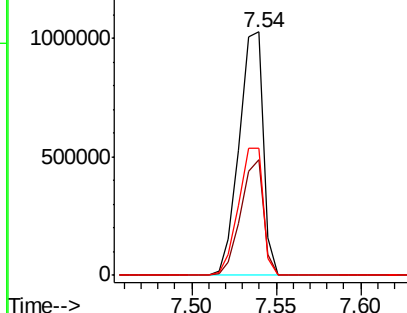
#23
 Nitrobenzene-d5
 Concen: 83.235 ng
 RT: 7.54 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: BF109890.D
 Acq: 15 Oct 2018 20:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	1021862
Ion	Ratio	Lower	Upper
82	100		
128	47.6	34.2	51.2
54	52.0	38.6	58.0

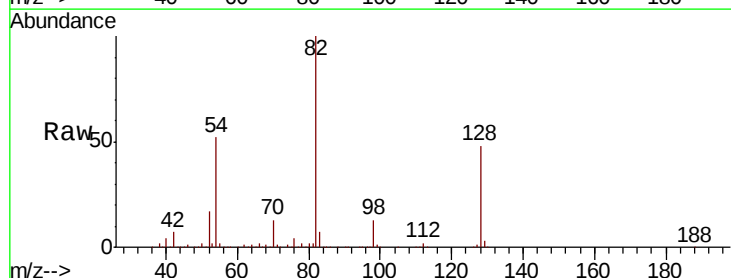


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

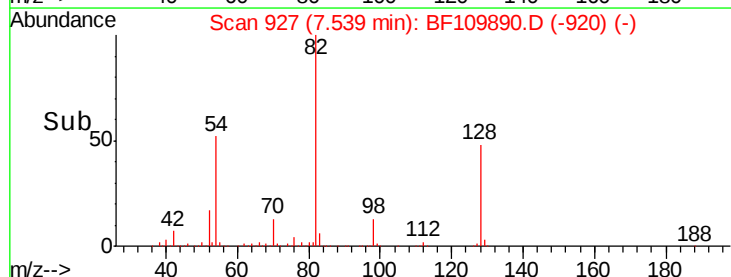
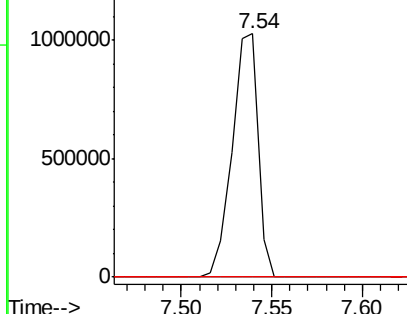


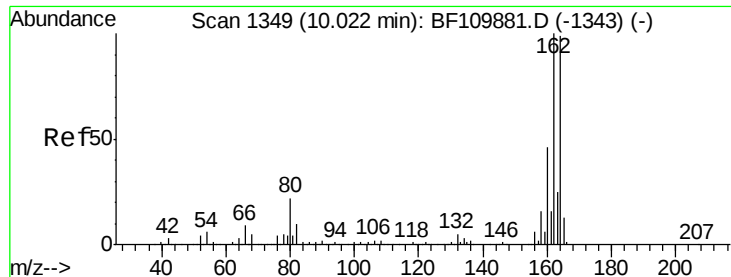
#25
 Isophorone
 Concen: 42.360 ng
 RT: 7.54 min Scan# 927
 Delta R.T. -0.26 min
 Lab File: BF109890.D
 Acq: 15 Oct 2018 20:20

Tgt Ion	82	Resp	1021834
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

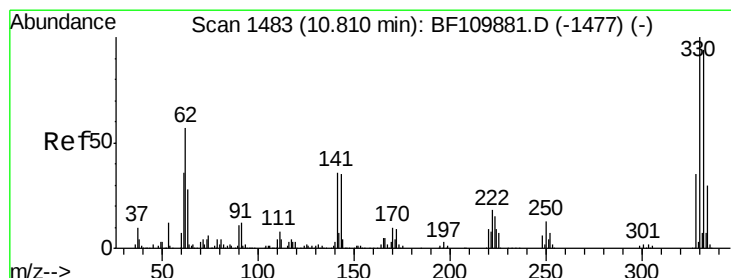
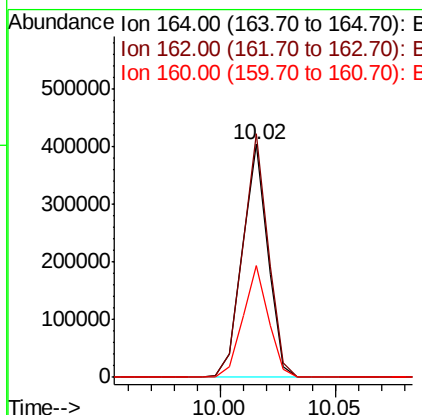
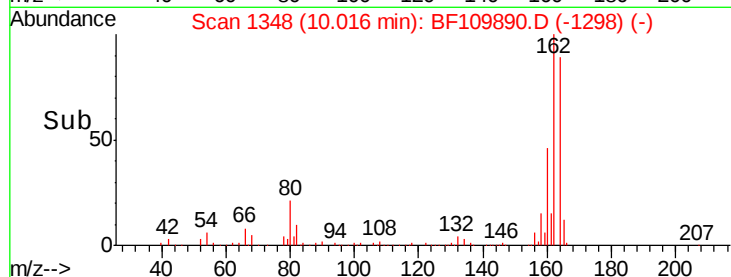
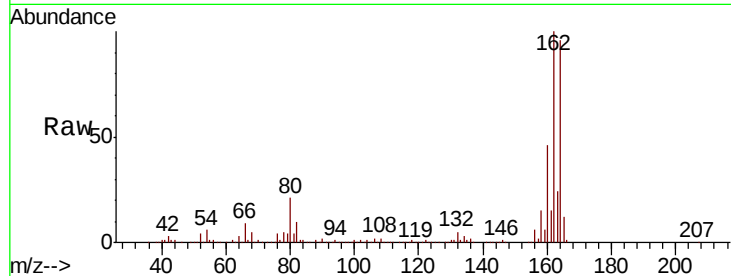




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

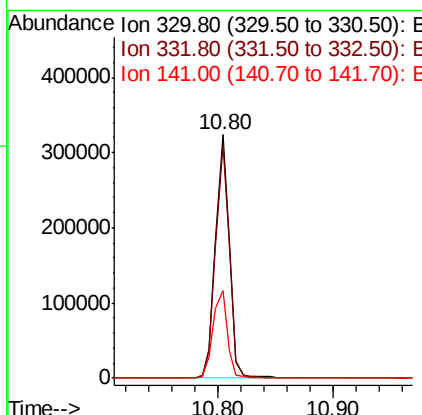
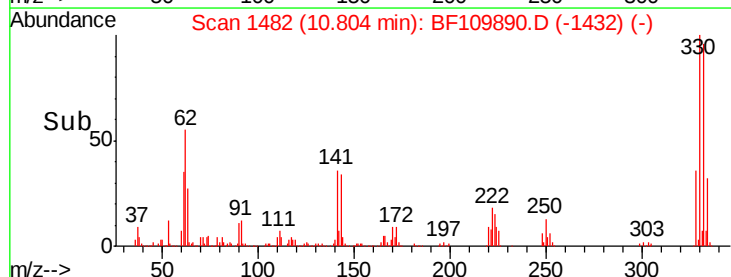
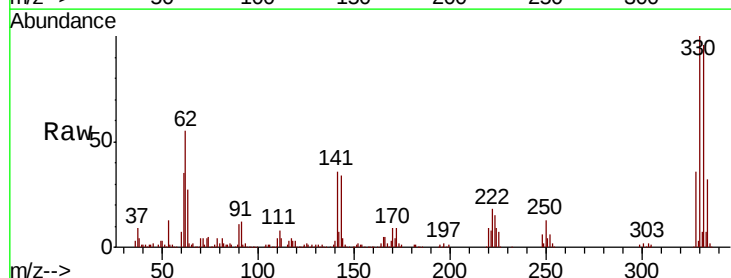
Instrument :
BNA_F
ClientSampled :

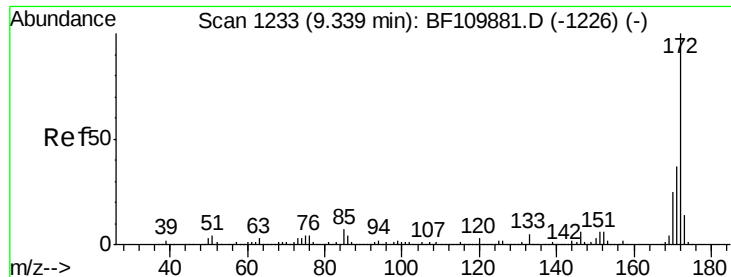
Tot Ion:164 Resp: 312321
Ion Ratio Lower Upper
164 100
162 104.4 83.0 124.6
160 47.8 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 100.212 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion:330 Resp: 270973
Ion Ratio Lower Upper
330 100
332 95.7 77.1 115.7
141 37.8 27.0 40.4

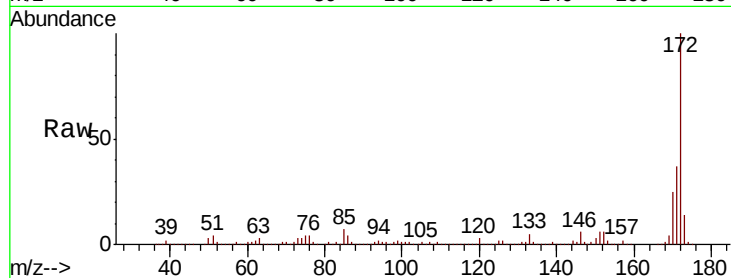




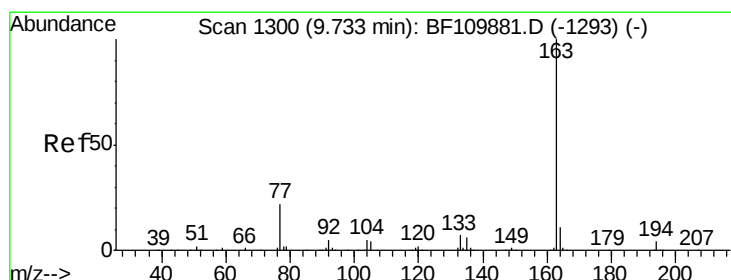
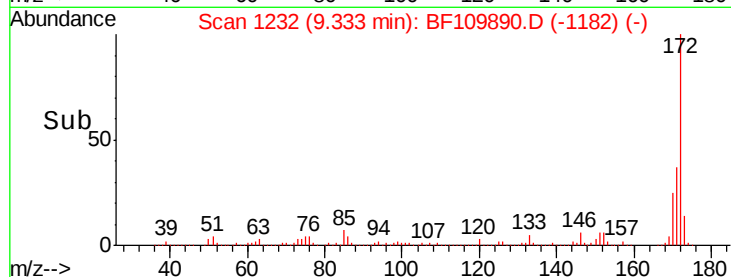
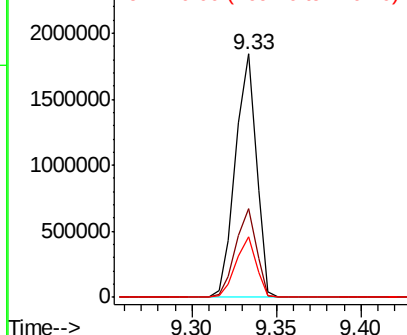
#45
2-Fluorobiphenyl
Concen: 81.356 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1592395
Ion Ratio Lower Upper
172 100
171 36.7 28.6 43.0
170 24.8 19.7 29.5

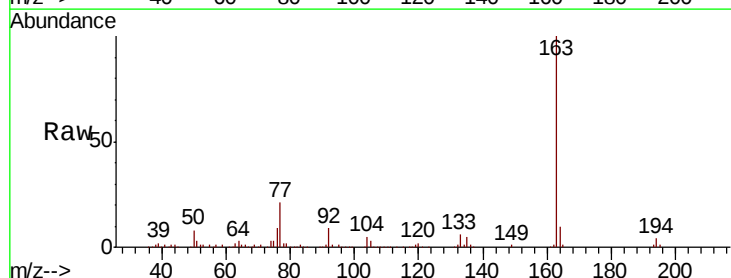


Abundance Ion 172.00 (171.70 to 172.70): E
2500000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

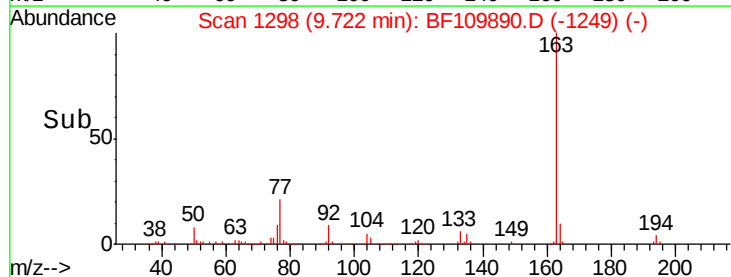
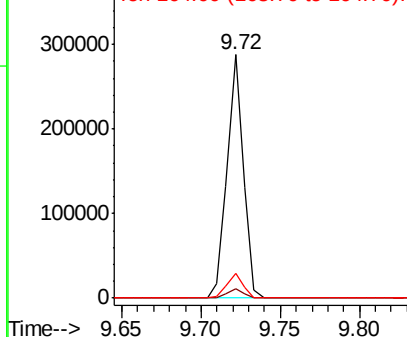


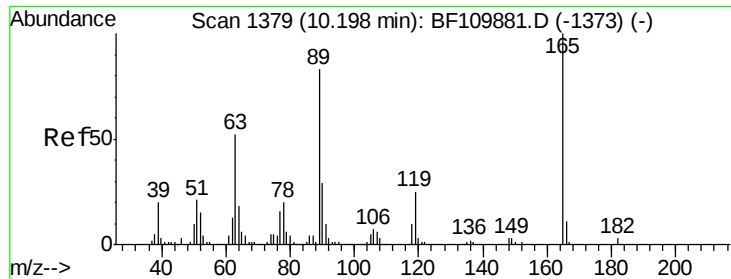
#50
Dimethylphthalate
Concen: 9.303 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion:163 Resp: 205733
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.1 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
400000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

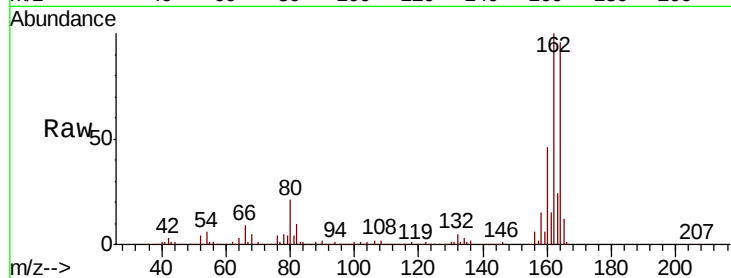




#57
 2,4-Dinitrotoluene
 Concen: 11.499 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.18 min
 Lab File: BF109890.D
 Acq: 15 Oct 2018 20:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.8	67.2#
89	1.1	62.2	93.4#
182	0.0	2.1	3.1#

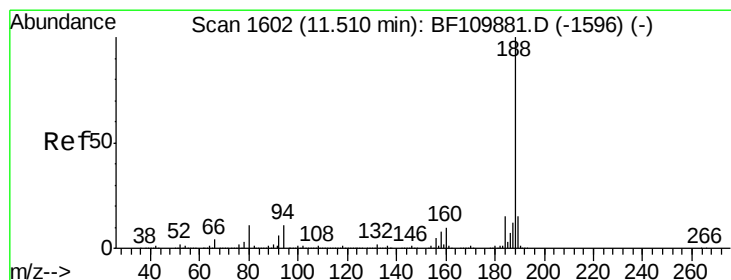
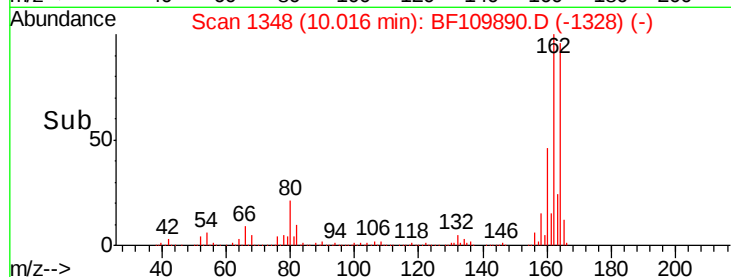
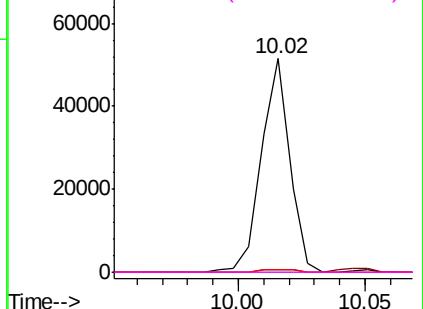


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

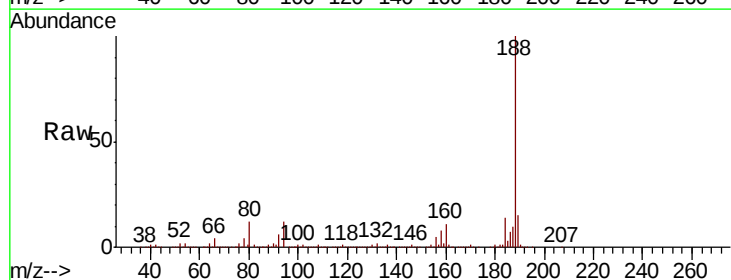
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF109890.D
 Acq: 15 Oct 2018 20:20

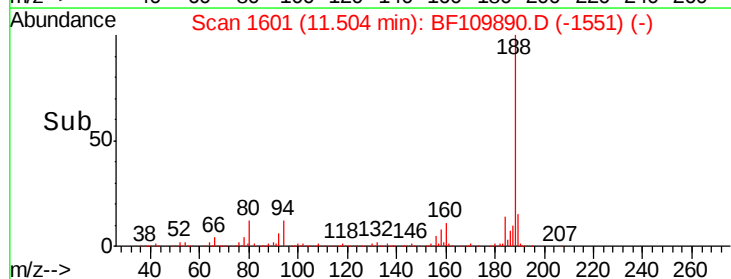
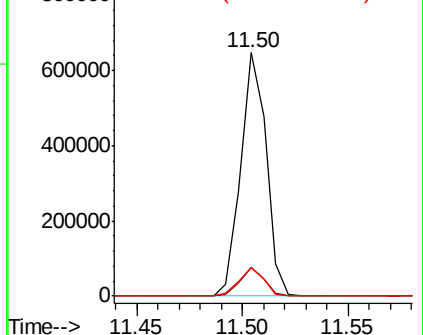
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	7.2	10.8#
80	12.0	7.9	11.9#

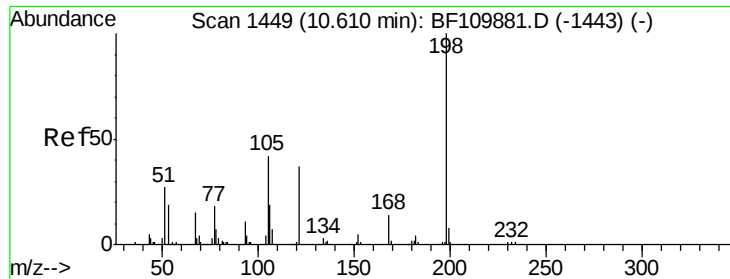


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

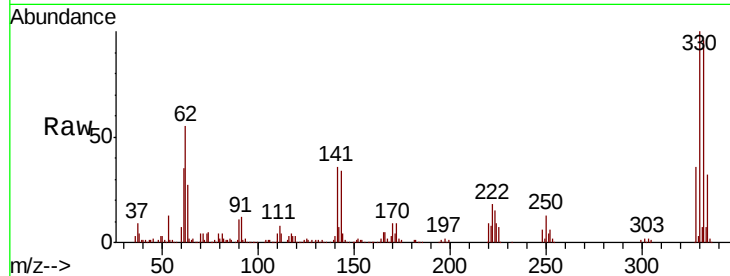




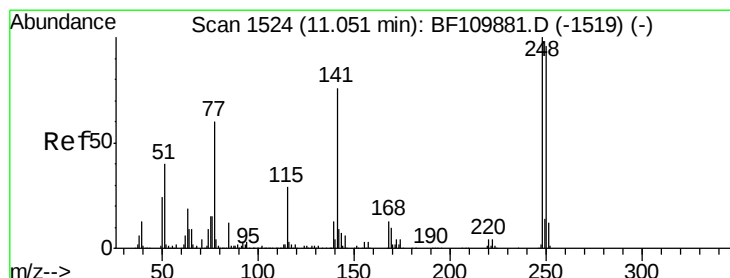
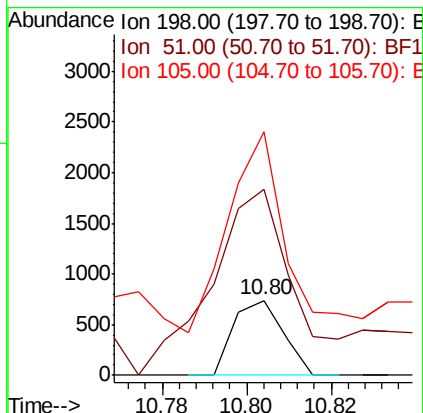
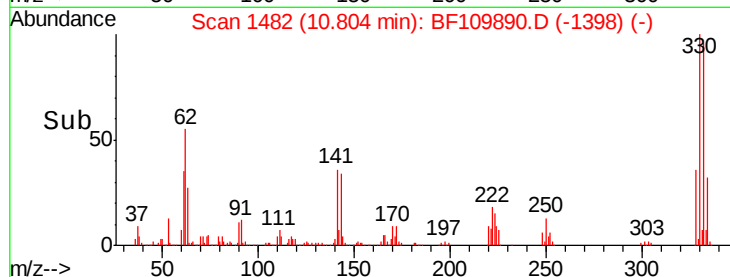
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.162 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.19 min
 Lab File: BF109890.D
 Acq: 15 Oct 2018 20:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 602
 Ion Ratio Lower Upper
 198 100
 51 248.0 22.8 62.8#
 105 323.7 23.6 63.6#

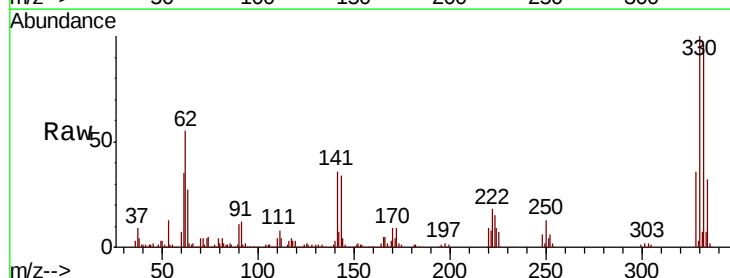


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

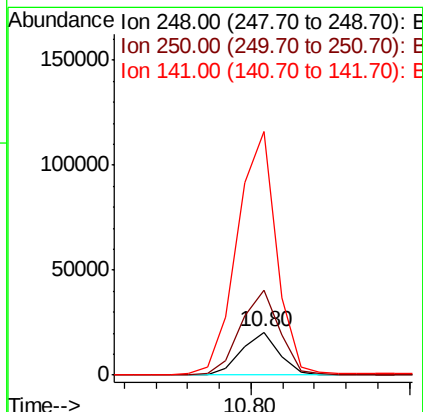
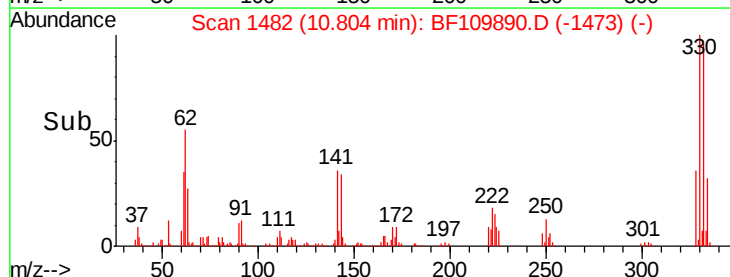


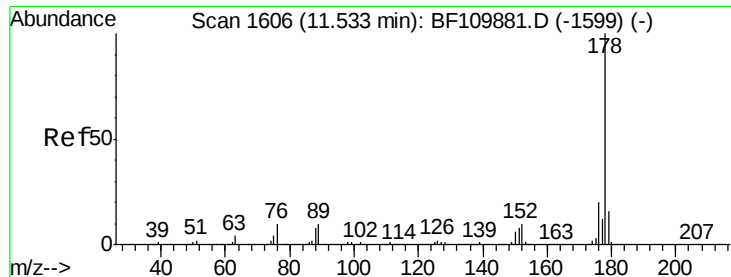
#67
 4-Bromophenyl-phenylether
 Concen: 2.837 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.25 min
 Lab File: BF109890.D
 Acq: 15 Oct 2018 20:20

Tgt Ion:248 Resp: 16571
 Ion Ratio Lower Upper
 248 100
 250 199.3 79.4 119.2#
 141 567.4 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: 4.016 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.01 min

Lab File: BF109890.D

Acq: 15 Oct 2018 20:20

Instrument :

BNA_F

ClientSampleId :

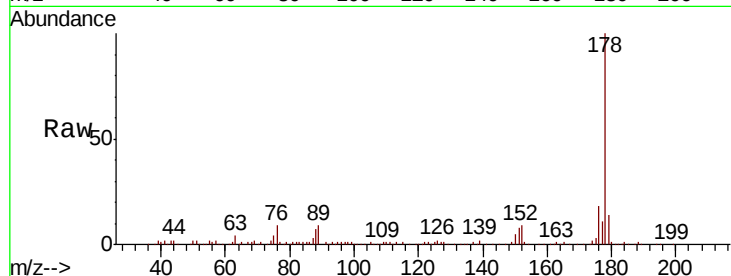
Tot Ion:178 Resp: 112050

Ion Ratio Lower Upper

178 100

176 17.9 15.5 23.3

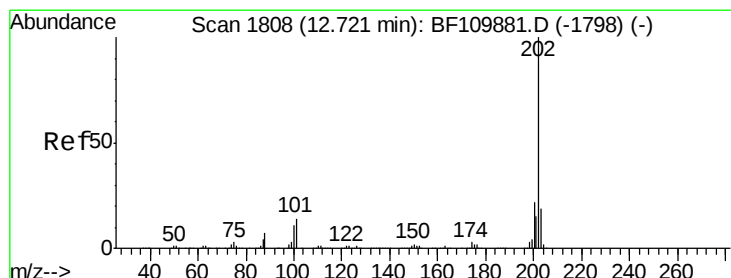
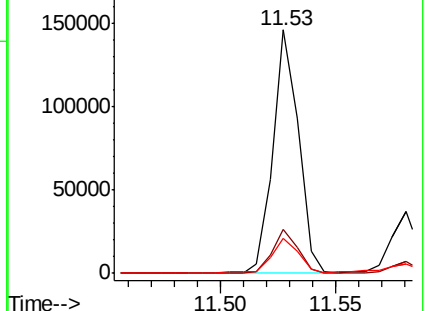
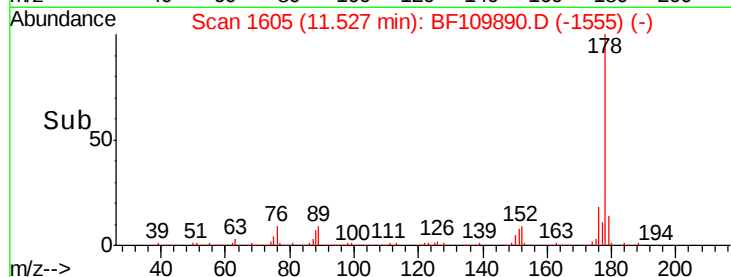
179 14.4 12.5 18.7



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: 12.025 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.00 min

Lab File: BF109890.D

Acq: 15 Oct 2018 20:20

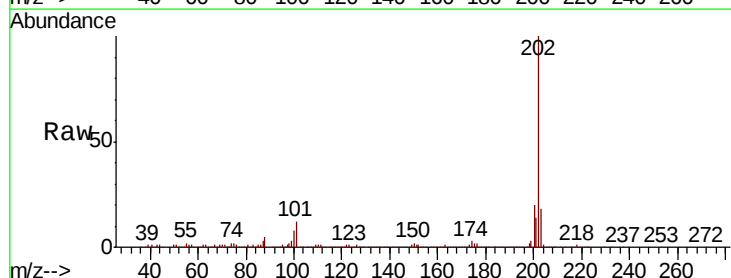
Tgt Ion:202 Resp: 335208

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.4

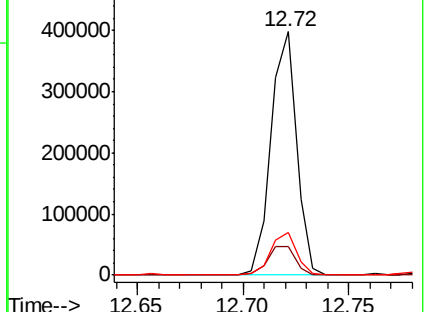
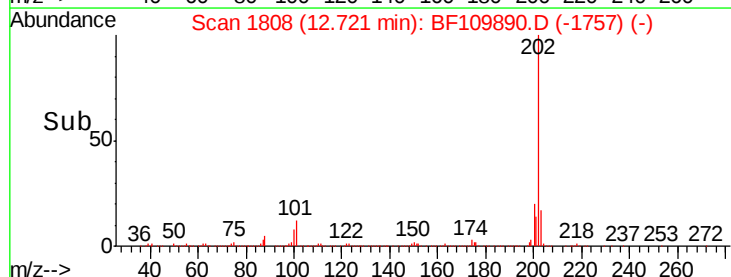
203 17.5 0.0 37.7

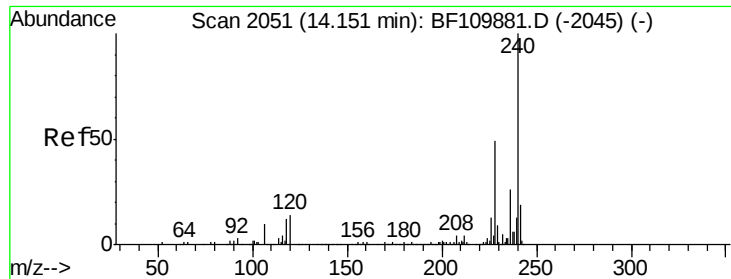


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

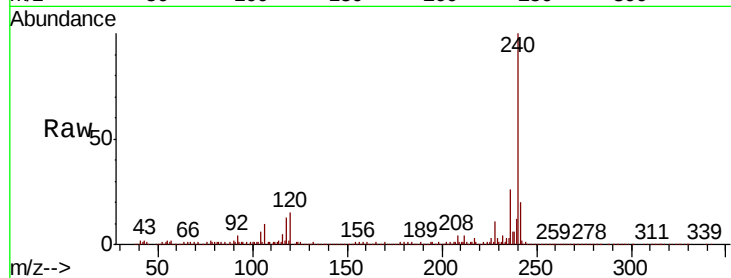




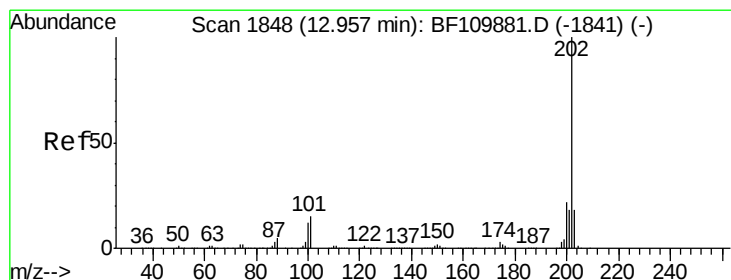
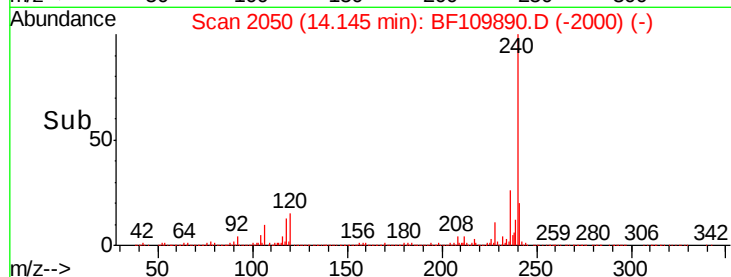
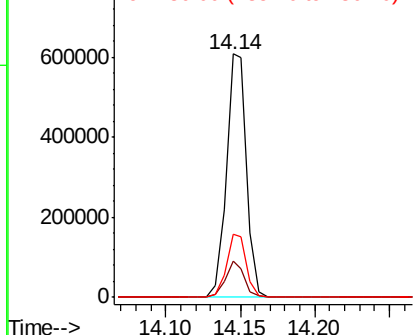
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 575694
Ion Ratio Lower Upper
240 100
120 15.0 8.3 12.5#
236 25.7 21.2 31.8

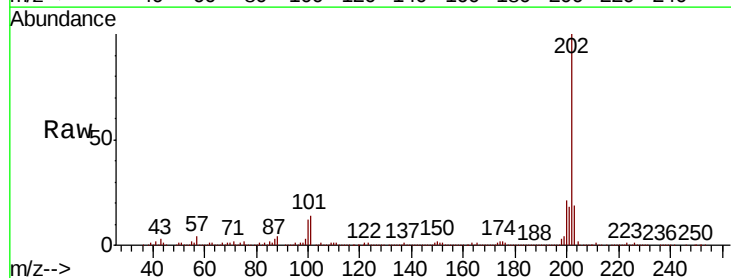


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

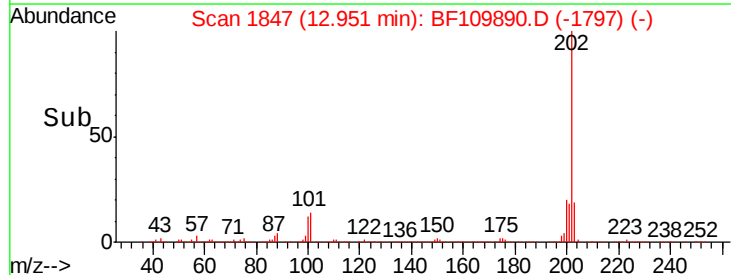
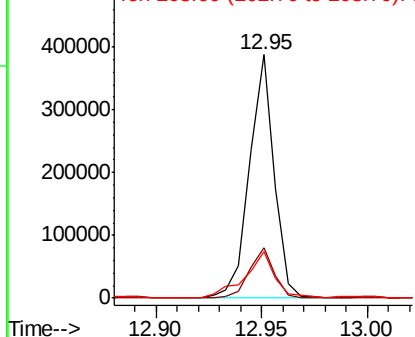


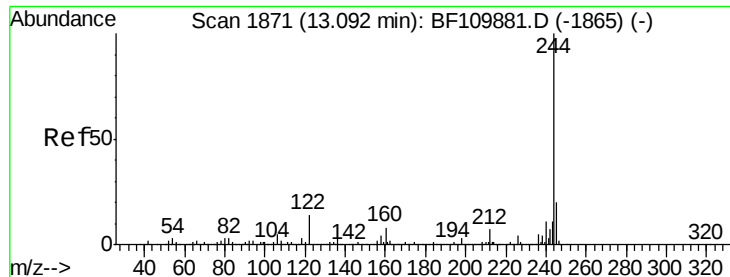
#78
Pyrene
Concen: 7.450 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion:202 Resp: 315026
Ion Ratio Lower Upper
202 100
200 20.5 17.8 26.6
203 19.0 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



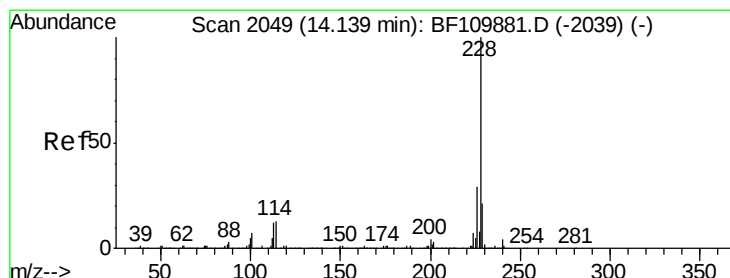
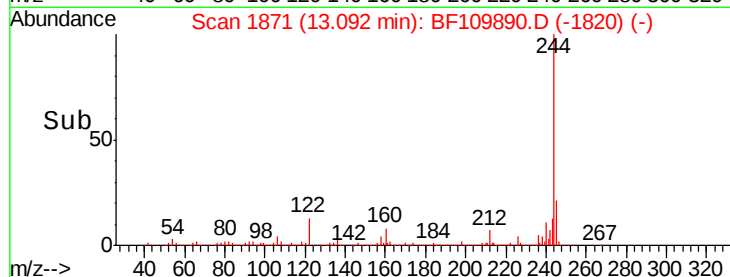
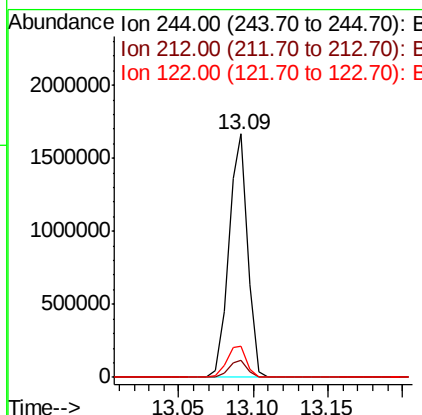
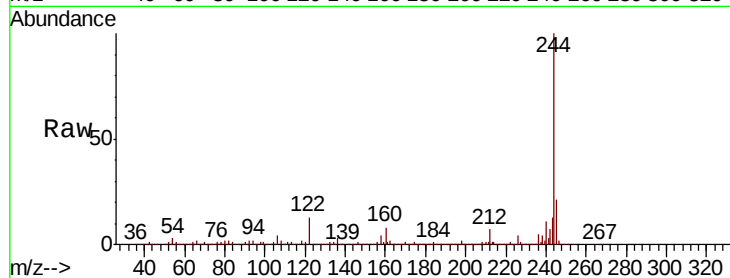


#79
 Terphenyl-d14
 Concen: 54.212 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: BF109890.D
 Acq: 15 Oct 2018 20:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1486231

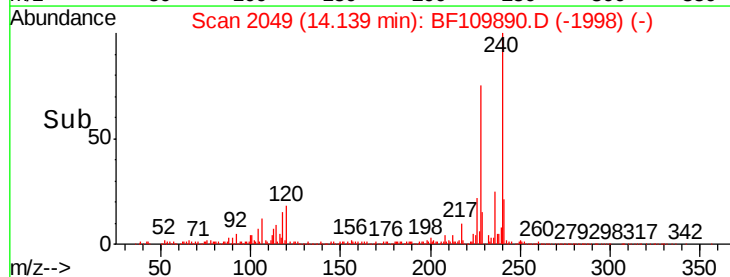
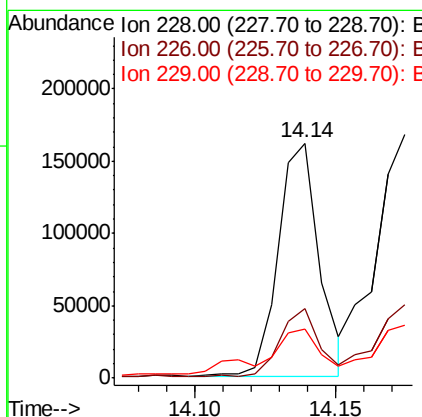
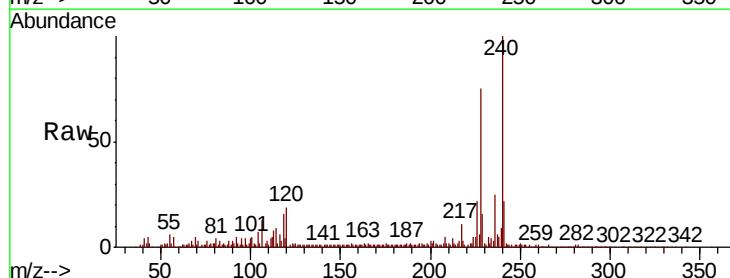
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	12.8	8.7	13.1

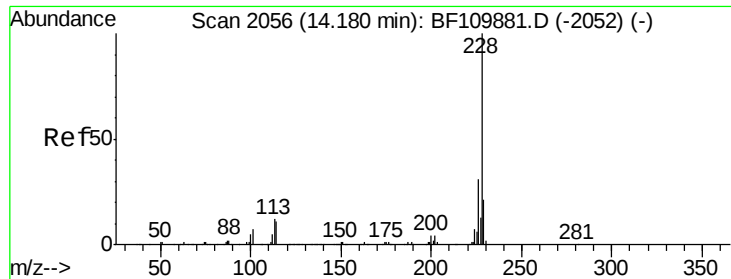


#81
 Benzo(a)anthracene
 Concen: 4.761 ng
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: BF109890.D
 Acq: 15 Oct 2018 20:20

Tgt Ion:228 Resp: 161442

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.1	33.1
229	21.1	15.6	23.4





#83

Chrysene

Concen: 5.272 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.01 min

Lab File: BF109890.D

Acq: 15 Oct 2018 20:20

Instrument :

BNA_F

ClientSampleId :

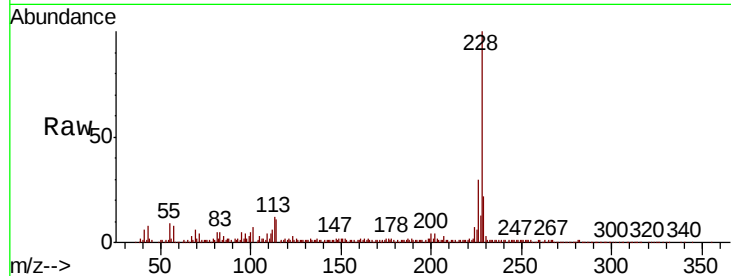
Tot Ion:228 Resp: 170166

Ion Ratio Lower Upper

228 100

226 30.2 24.7 37.1

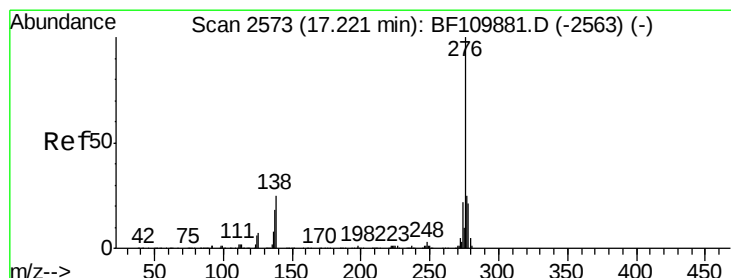
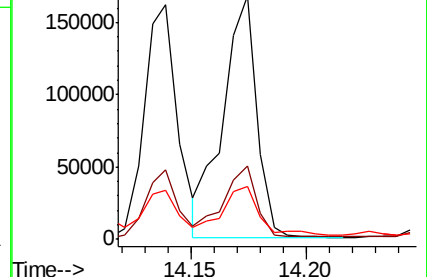
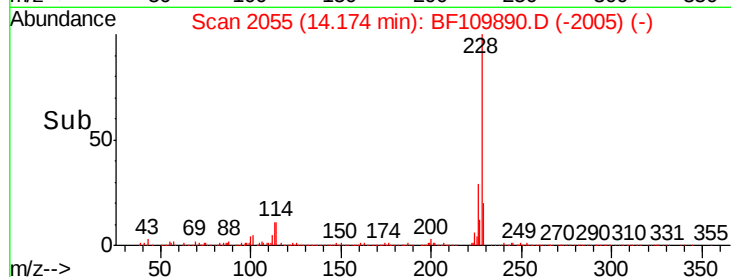
229 21.7 15.9 23.9



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.504 ng

RT: 17.22 min Scan# 2573

Delta R.T. 0.00 min

Lab File: BF109890.D

Acq: 15 Oct 2018 20:20

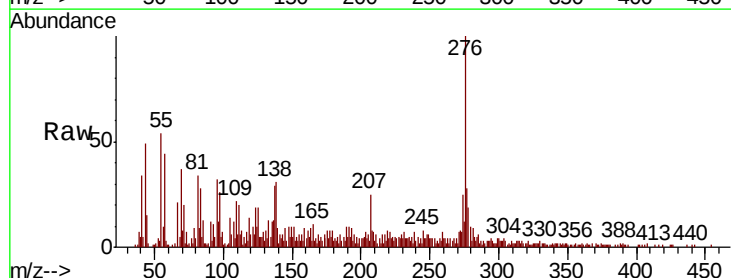
Tgt Ion:276 Resp: 65070

Ion Ratio Lower Upper

276 100

138 26.6 18.5 27.7

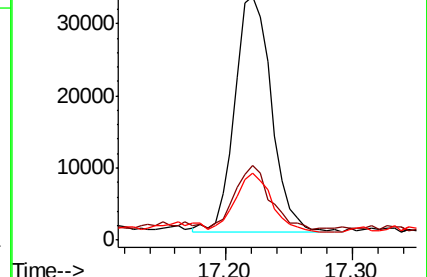
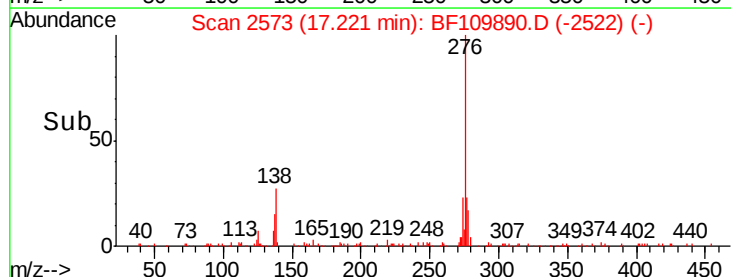
277 25.1 20.0 30.0

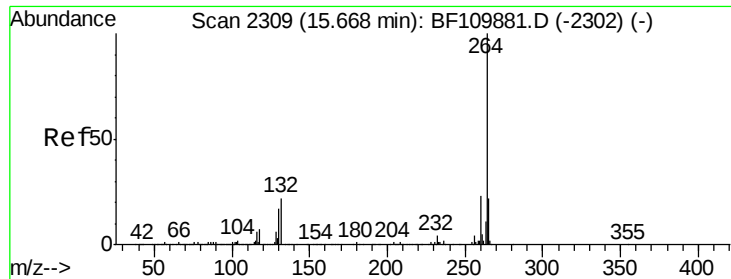


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

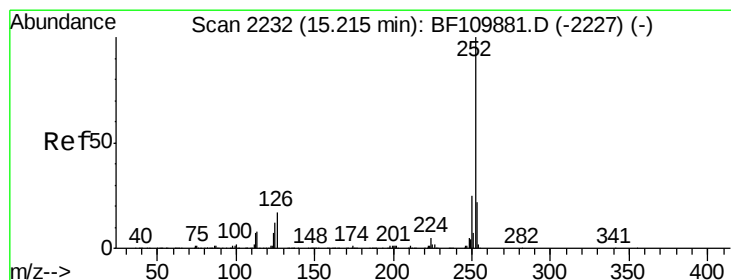
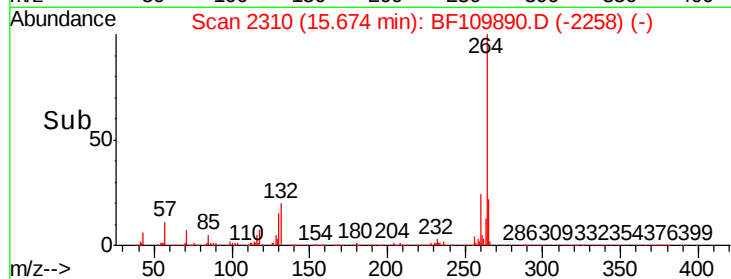
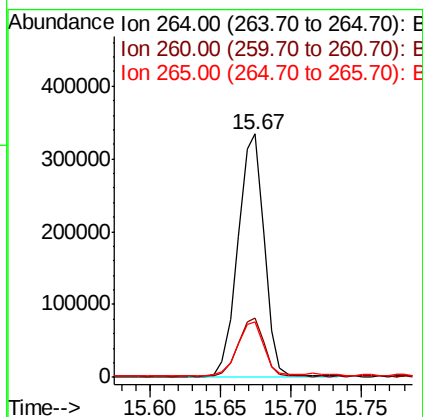
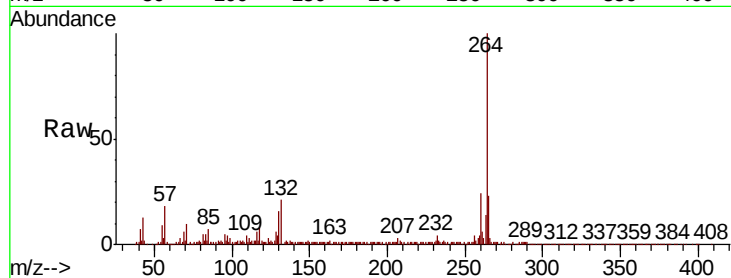




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.01 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

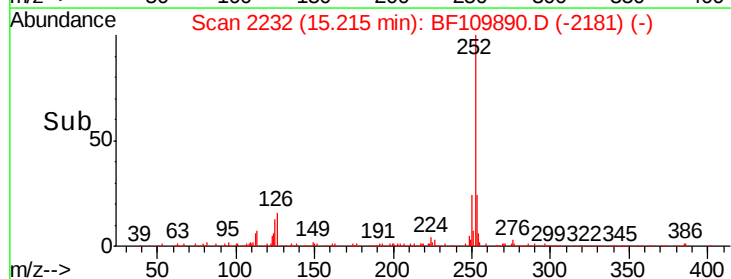
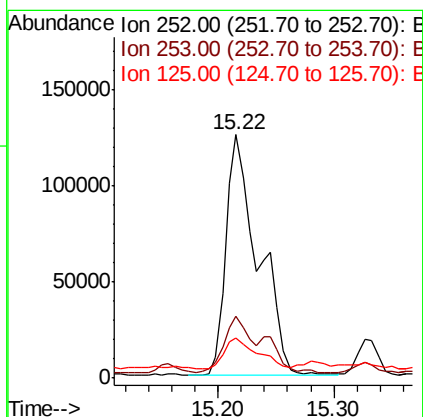
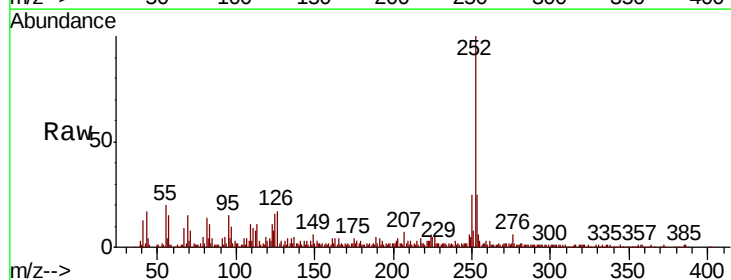
Instrument :
BNA_F
ClientSampleId :

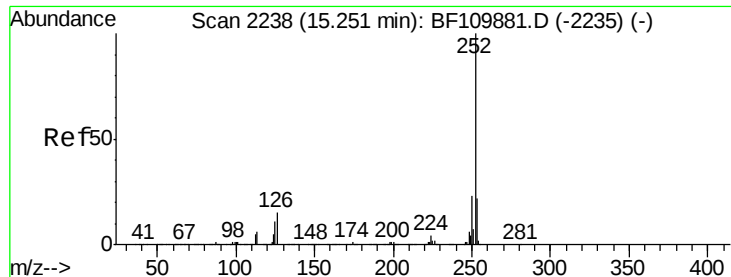
Tot Ion:264 Resp: 430341
Ion Ratio Lower Upper
264 100
260 24.2 18.7 28.1
265 22.9 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 9.838 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF109890.D
Acq: 15 Oct 2018 20:20

Tgt Ion:252 Resp: 244083
Ion Ratio Lower Upper
252 100
253 25.4 17.2 25.8
125 16.4 8.2 12.4#





#89

Benzo(k)fluoranthene

Concen: 9.981 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.04 min

Lab File: BF109890.D

Acq: 15 Oct 2018 20:20

Instrument :

BNA_F

ClientSampleId :

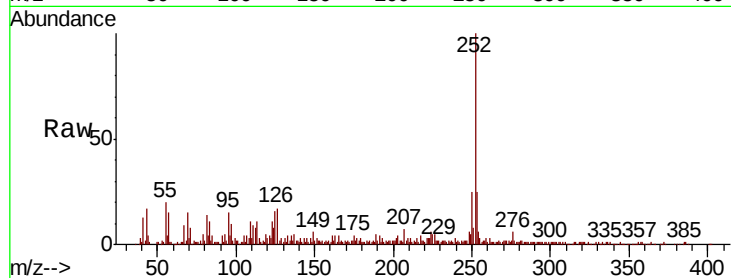
Tot Ion:252 Resp: 244083

Ion Ratio Lower Upper

252 100

253 25.4 17.2 25.8

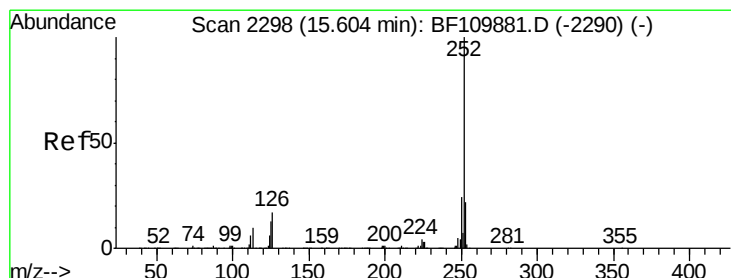
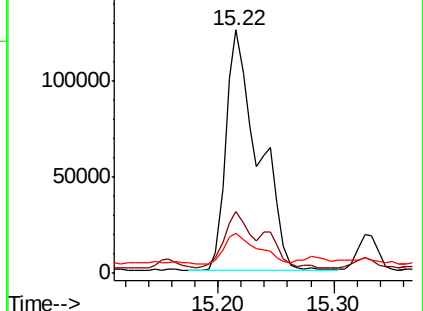
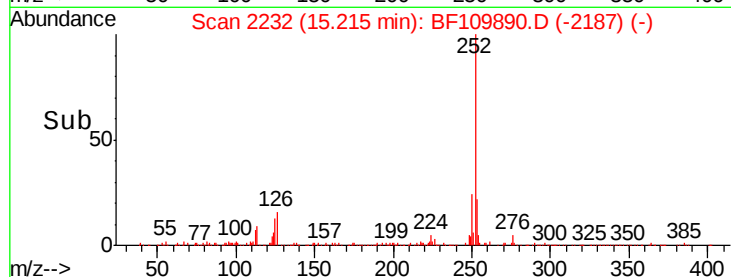
125 16.4 7.4 11.0#



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: 5.017 ng

RT: 15.60 min Scan# 2298

Delta R.T. 0.00 min

Lab File: BF109890.D

Acq: 15 Oct 2018 20:20

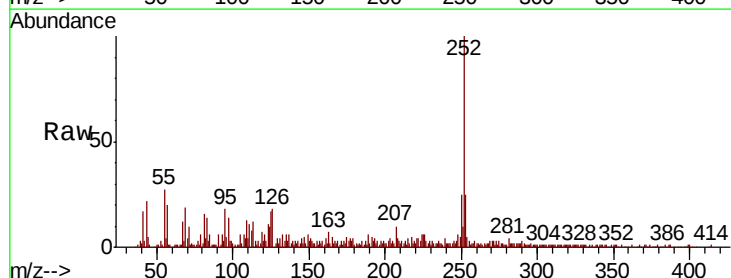
Tgt Ion:252 Resp: 114490

Ion Ratio Lower Upper

252 100

253 25.1 18.2 27.4

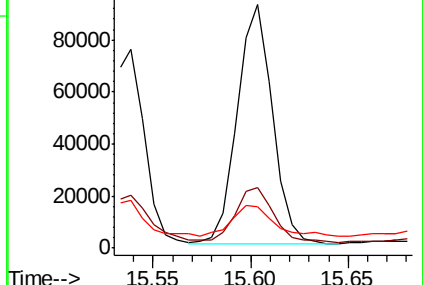
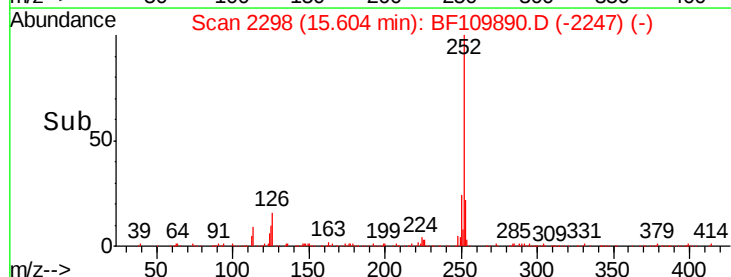
125 17.1 9.0 13.6#

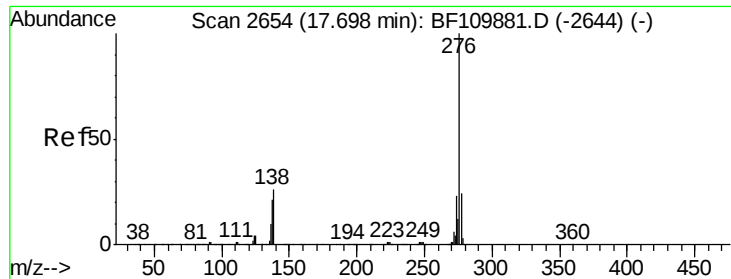


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

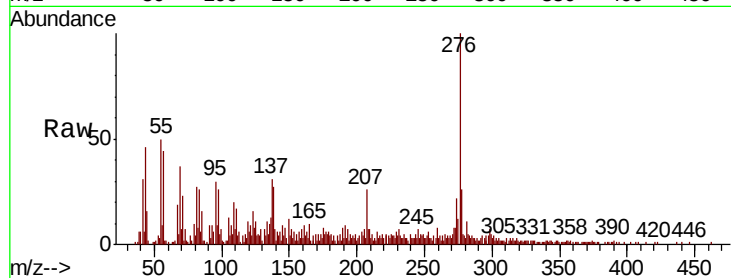




#92
 Benzo(a,h,i)perylene
 Concen: 3.327 ng
 RT: 17.70 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: BF109890.D
 Acq: 15 Oct 2018 20:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 67970
 Ion Ratio Lower Upper
 276 100
 277 26.1 18.8 28.2
 138 27.3 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

