

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101518\
 Data File : BF109891.D
 Acq On : 15 Oct 2018 20:47
 Operator : JU/SJ
 Sample : J5198-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 01:25:11 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	217785	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	793560	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	303101	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	494119	20.00	ng	0.00
76) Chrysene-d12	14.15	240	518386	20.00	ng	0.00
87) Perylene-d12	15.67	264	416789	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1178441	85.77	ng	0.00
7) Phenol-d6	6.59	99	1435183	84.12	ng	0.00
23) Nitrobenzene-d5	7.53	82	827068	70.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.80	330	218093	83.11	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	1237231	65.13	ng	0.00
79) Terphenyl-d14	13.09	244	1019422	41.30	ng	0.00

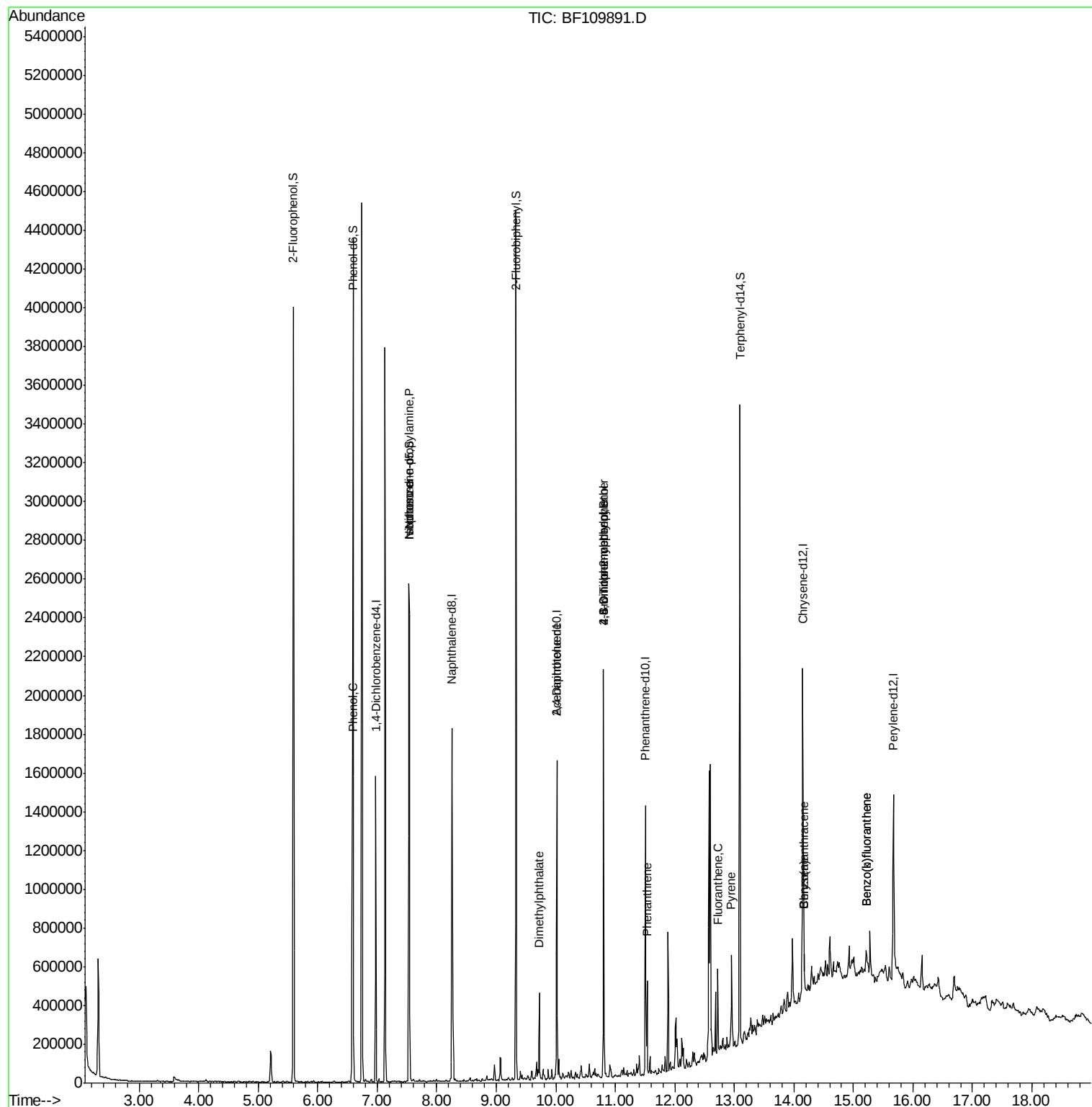
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	51731	2.808	ng	# 59
19) n-Nitroso-di-n-propylamine	7.53	70	109202	9.969	ng	# 84
25) Isophorone	7.53	82	827059	35.731	ng	# 67
50) Dimethylphthalate	9.72	163	141568	6.596	ng	100
57) 2,4-Dinitrotoluene	10.02	165	41440	11.862	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	515	8.145	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	13776	2.573	ng	# 1
71) Phenanthrene	11.53	178	169809	6.638	ng	98
75) Fluoranthene	12.72	202	136706	5.349	ng	98
78) Pyrene	12.95	202	175416	4.607	ng	99
81) Benzo(a)anthracene	14.17	228	75355	2.468	ng	95
83) Chrysene	14.17	228	75355	2.593	ng	97
88) Benzo(b)fluoranthene	15.22	252	79175	3.295	ng	# 86
89) Benzo(k)fluoranthene	15.22	252	79175	3.343	ng	# 85

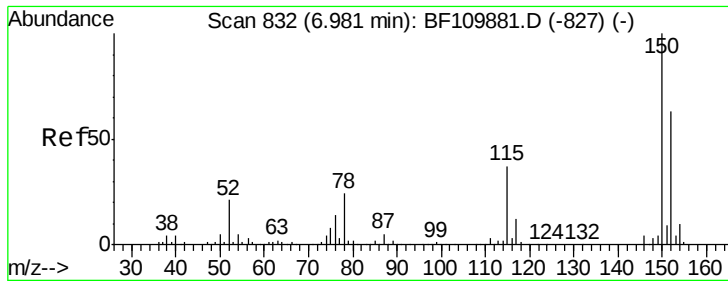
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101518\
Data File : BF109891.D
Acq On : 15 Oct 2018 20:47
Operator : JU/SJ
Sample : J5198-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 16 01:25:11 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



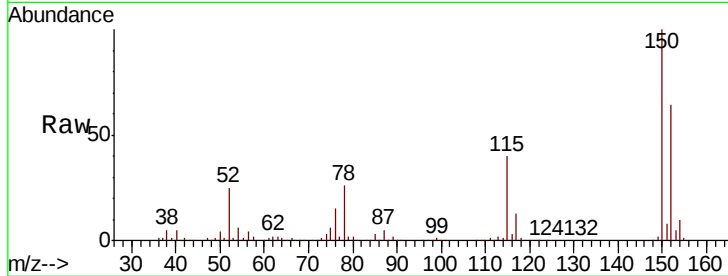


#1

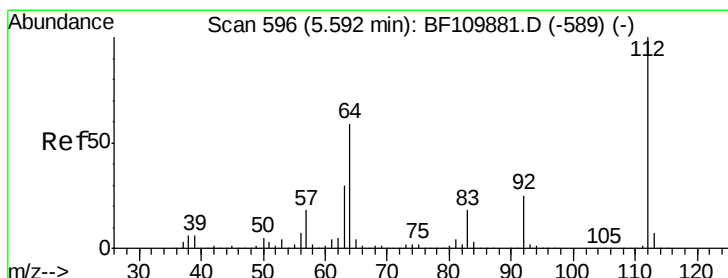
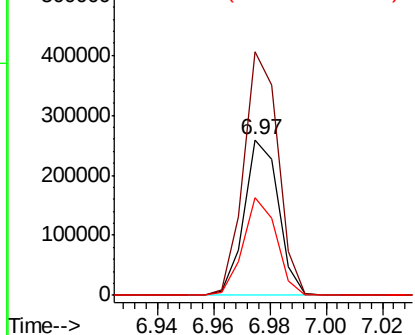
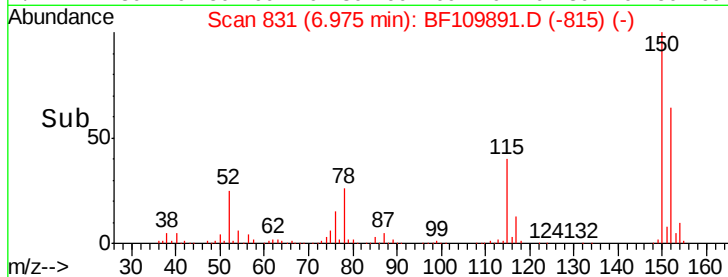
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109891.D
Acq: 15 Oct 2018 20:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 217785
Ion Ratio Lower Upper
152 100
150 156.3 122.7 184.1
115 63.1 49.1 73.7



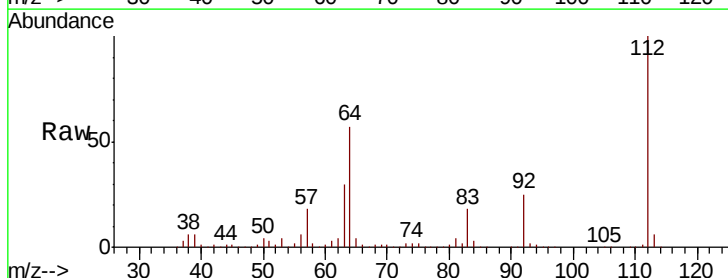
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



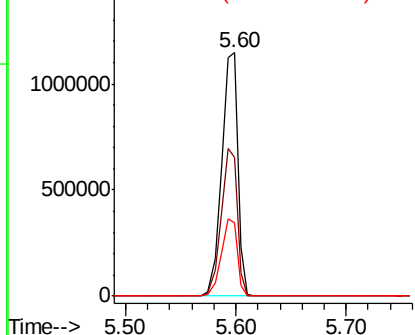
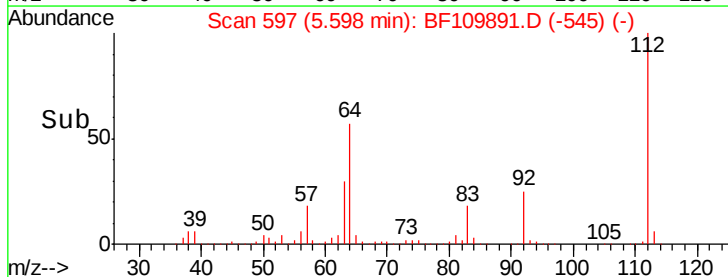
#5

2-Fluorophenol
Concen: 85.772 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF109891.D
Acq: 15 Oct 2018 20:47

Tgt Ion:112 Resp: 1178441
Ion Ratio Lower Upper
112 100
64 56.8 44.1 66.1
63 30.1 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: 84.123 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF109891.D

Acq: 15 Oct 2018 20:47

Instrument :

BNA_F

ClientSampleId :

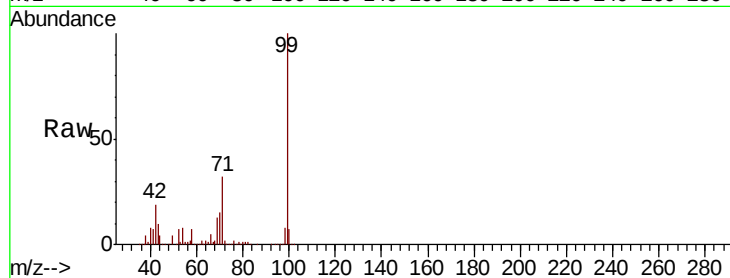
Tot Ion: 99 Resp: 1435183

Ion Ratio Lower Upper

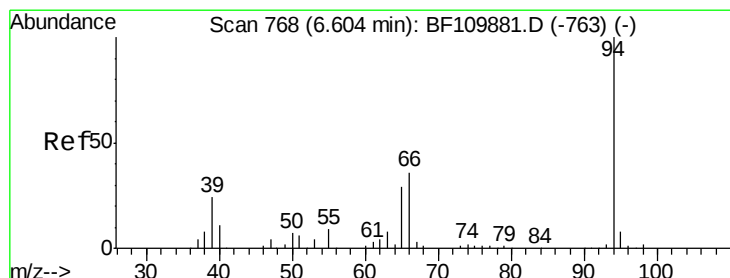
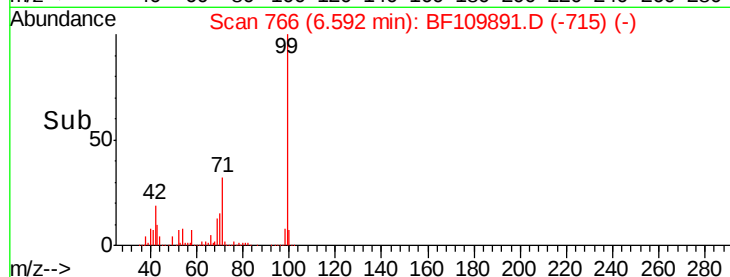
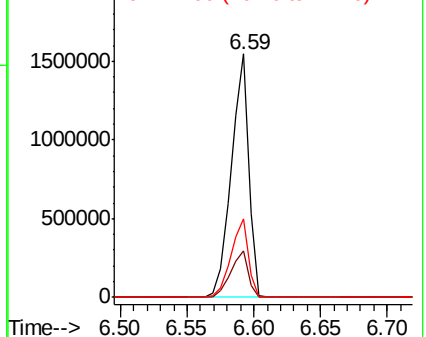
99 100

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: 2.808 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.00 min

Lab File: BF109891.D

Acq: 15 Oct 2018 20:47

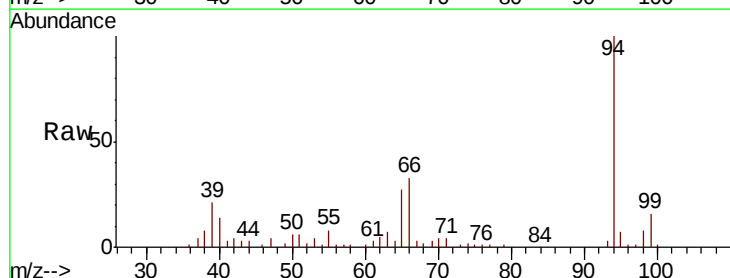
Tgt Ion: 94 Resp: 51731

Ion Ratio Lower Upper

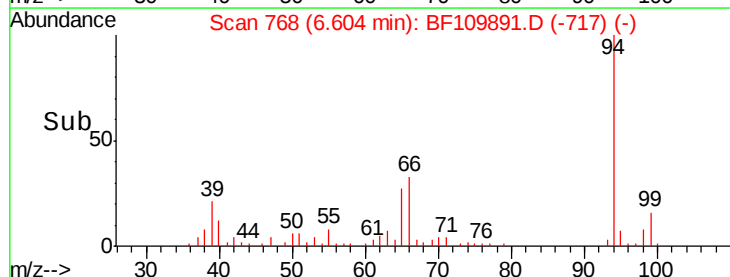
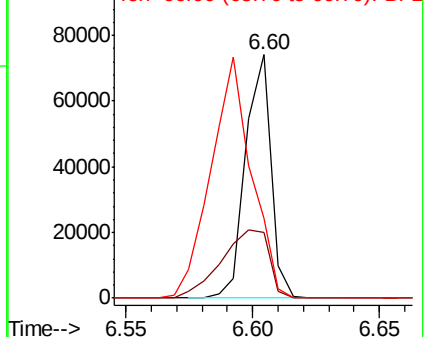
94 100

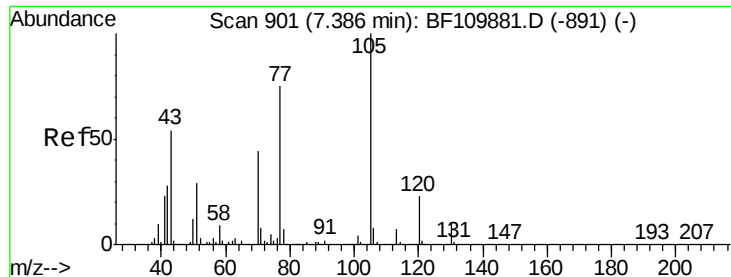
65 26.8 25.3 65.3

66 32.5 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

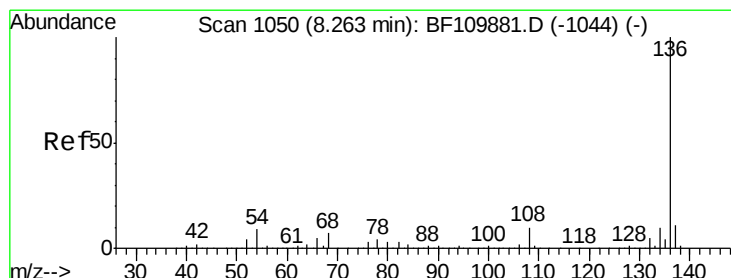
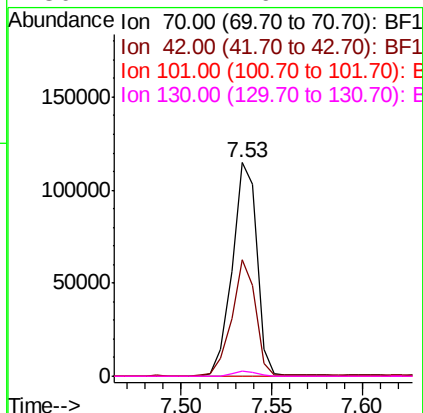
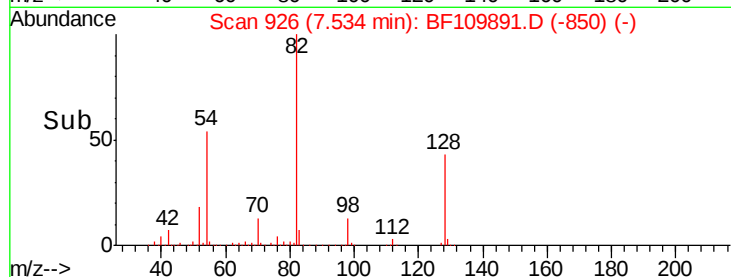
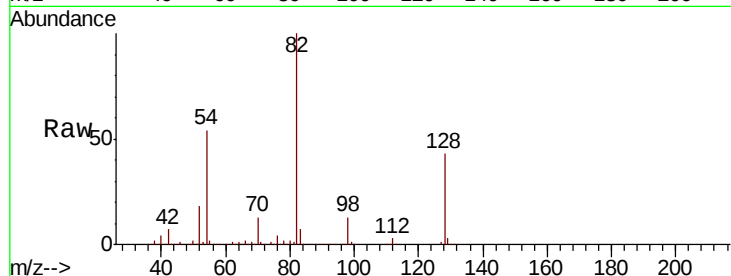




#19
n-Nitroso-di-n-propylamine
Concen: 9.969 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF109891.D
Acq: 15 Oct 2018 20:47

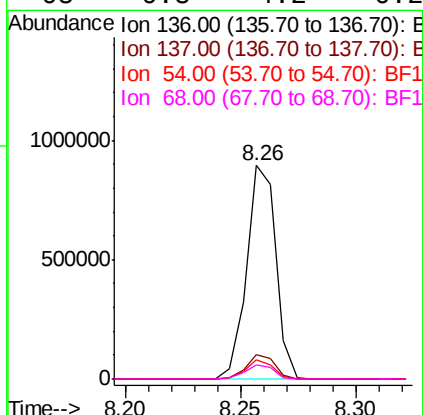
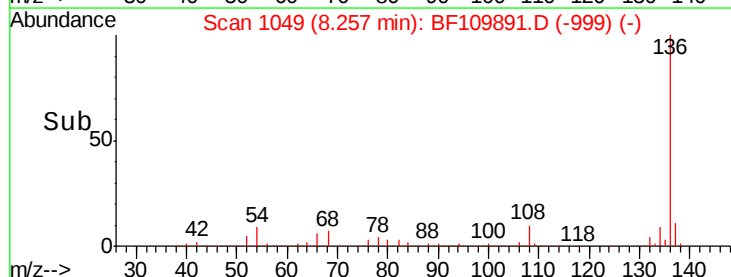
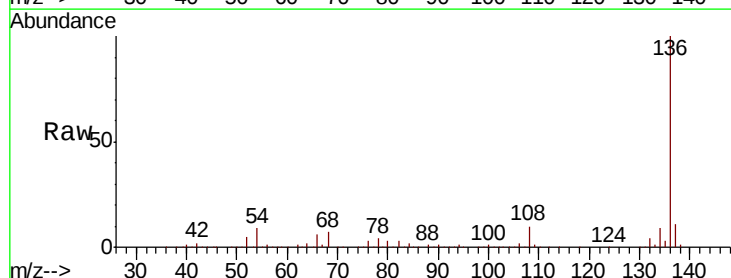
Instrument :
BNA_F
ClientSampleId :

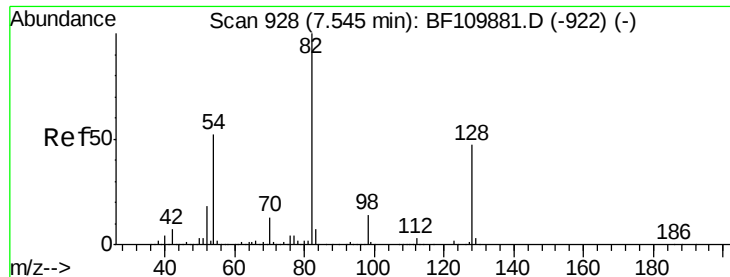
Tot Ion: 70 Resp: 109202
Ion Ratio Lower Upper
70 100
42 54.8 47.4 71.2
101 0.0 7.3 10.9#
130 2.1 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF109891.D
Acq: 15 Oct 2018 20:47

Tgt Ion:136 Resp: 793560
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 9.2 5.4 8.2#
68 6.8 4.2 6.2#

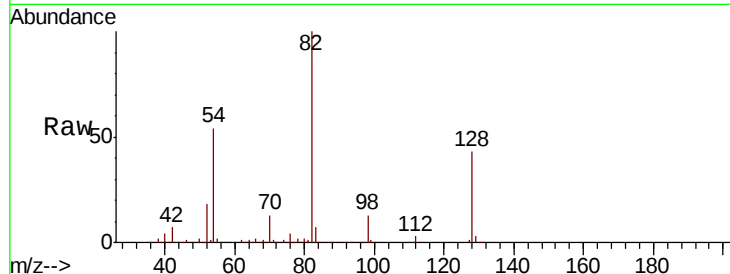




#23
Nitrobenzene-d5
Concen: 70.208 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF109891.D
Acq: 15 Oct 2018 20:47

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	827068
Ion Ratio	Lower	Upper	
82	100		
128	43.5	34.2	51.2
54	54.1	38.6	58.0

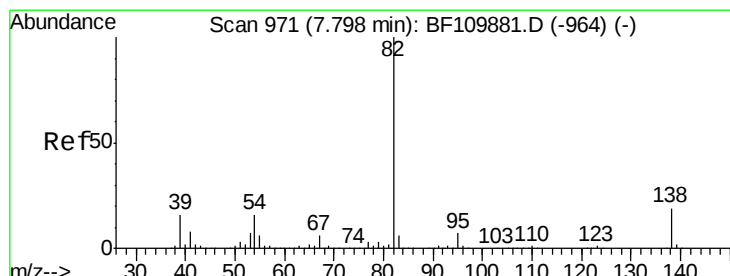
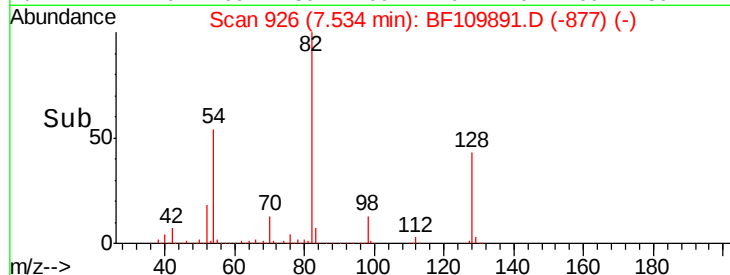
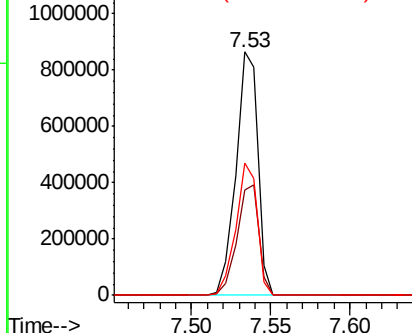


Abundance

Ion 82.00 (81.70 to 82.70): BF1

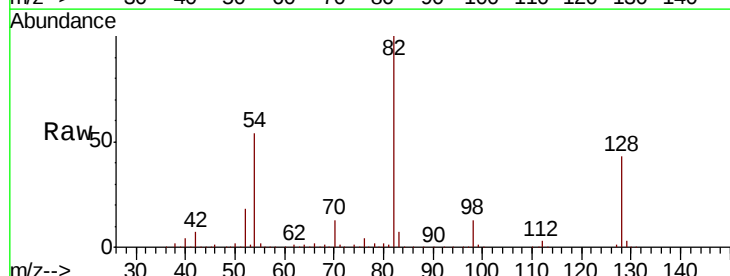
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25
Isophorone
Concen: 35.731 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.26 min
Lab File: BF109891.D
Acq: 15 Oct 2018 20:47

Tgt Ion	82	Resp	827059
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#

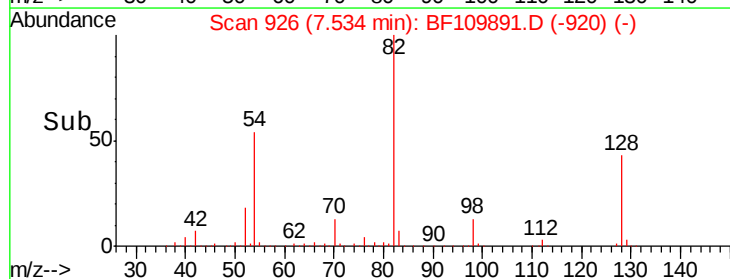
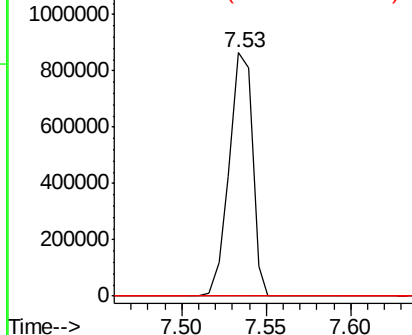


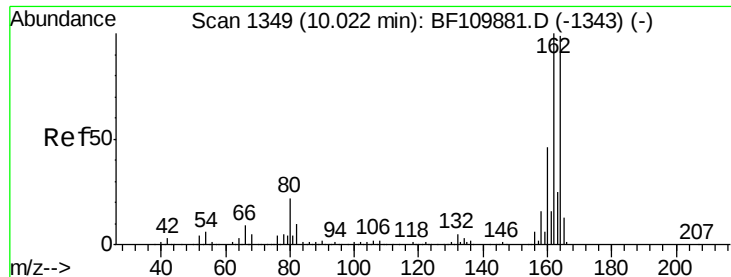
Abundance

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

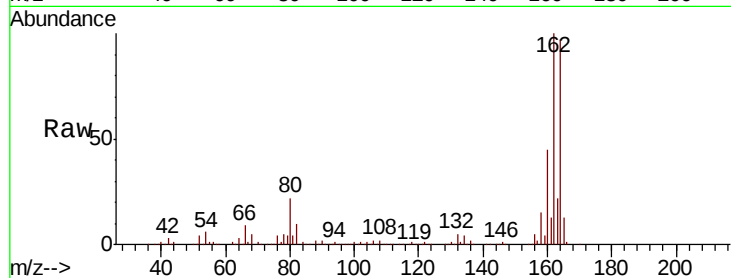




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF109891.D
Acq: 15 Oct 2018 20:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.0	124.6
160	46.7	37.0	55.6

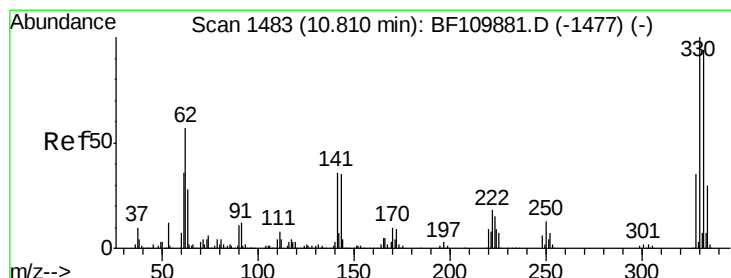
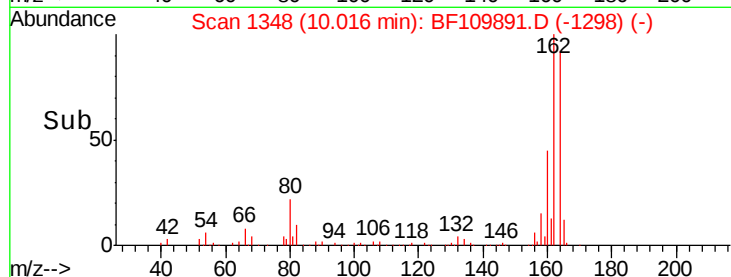
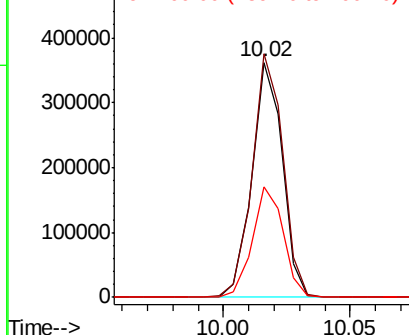


Abundance

Ion 164.00 (163.70 to 164.70): E

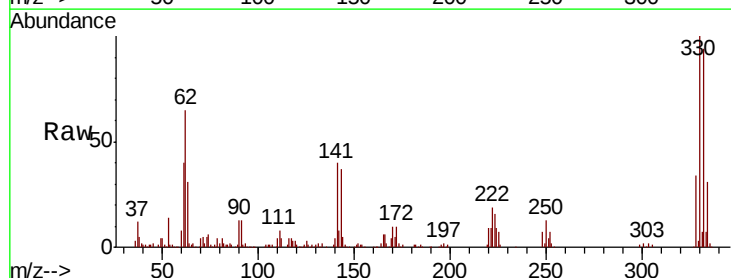
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 83.109 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF109891.D
Acq: 15 Oct 2018 20:47

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.1	115.7
141	37.0	27.0	40.4

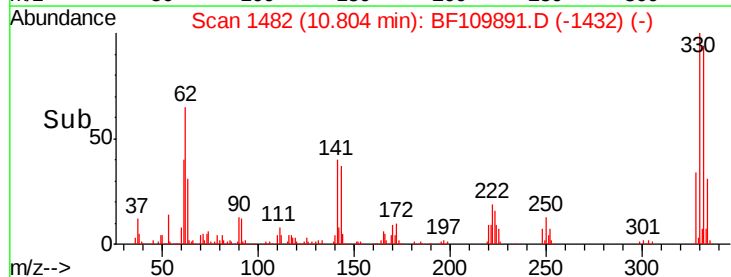
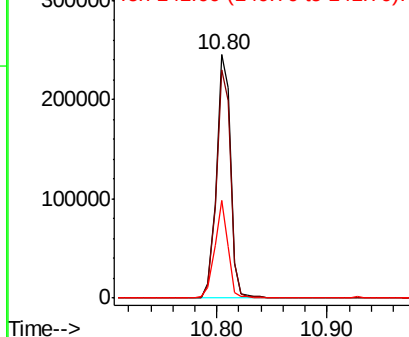


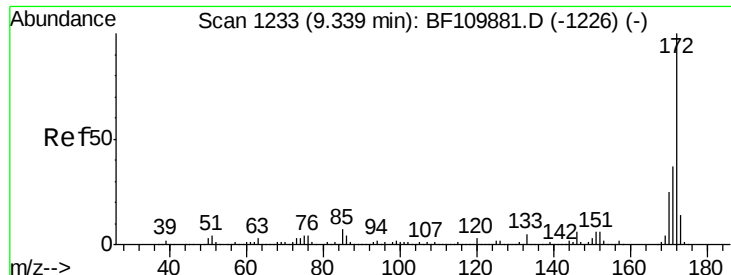
Abundance

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

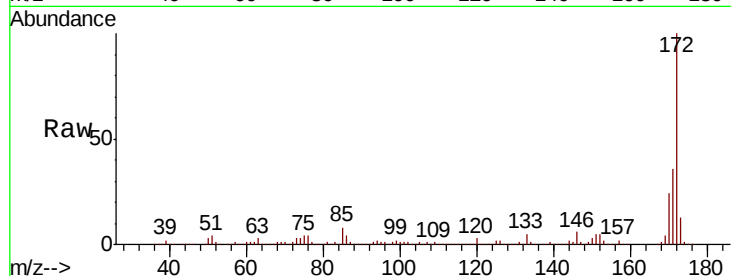




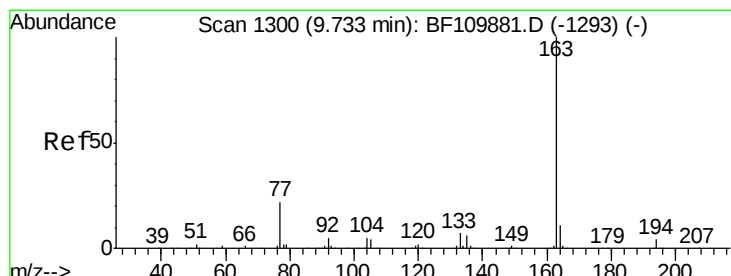
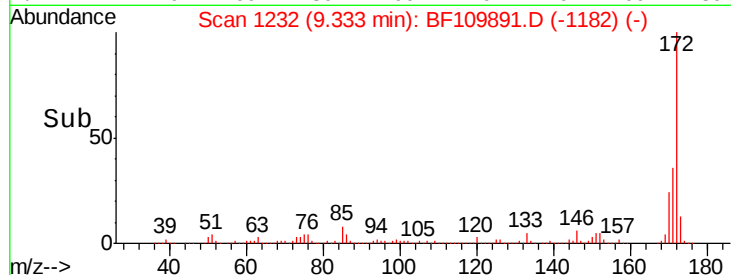
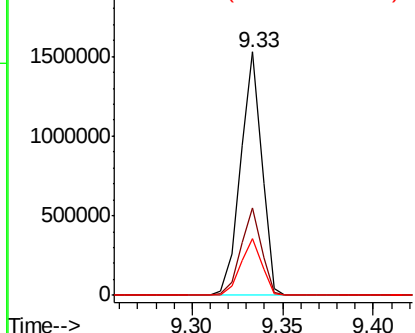
#45
2-Fluorobiphenyl
Concen: 65.133 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF109891.D
Acq: 15 Oct 2018 20:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1237231
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.5 19.7 29.5

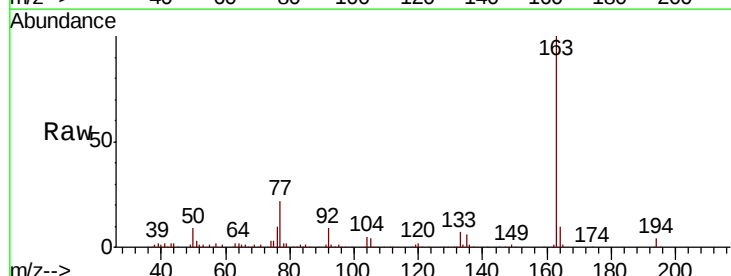


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

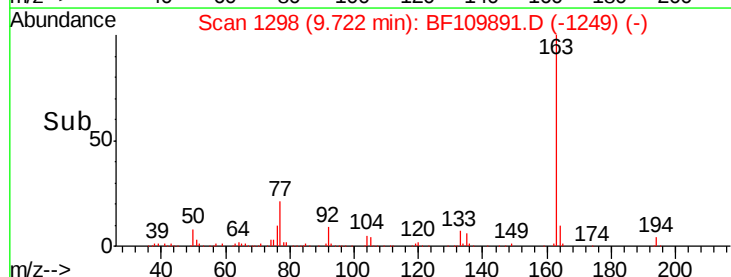
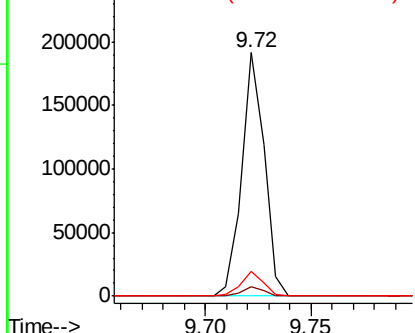


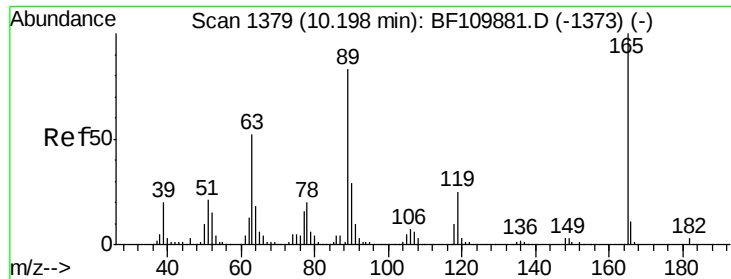
#50
Dimethylphthalate
Concen: 6.596 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109891.D
Acq: 15 Oct 2018 20:47

Tgt Ion:163 Resp: 141568
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 10.0 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

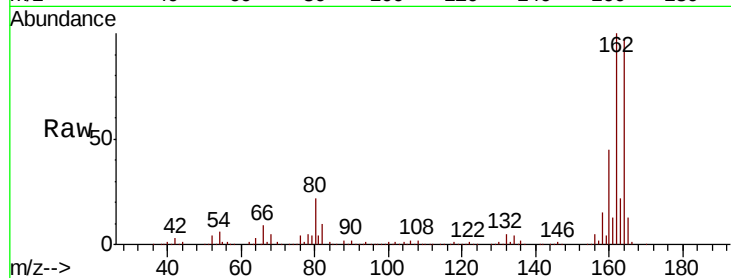




#57
 2,4-Dinitrotoluene
 Concen: 11.862 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.18 min
 Lab File: BF109891.D
 Acq: 15 Oct 2018 20:47

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#

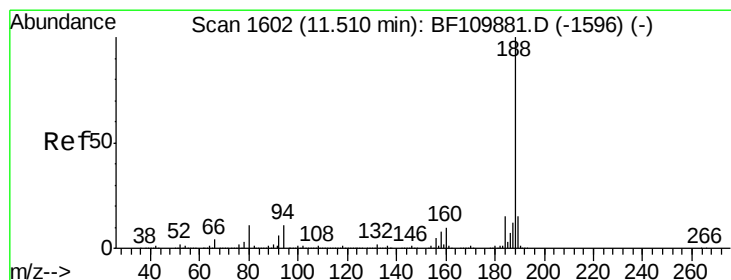
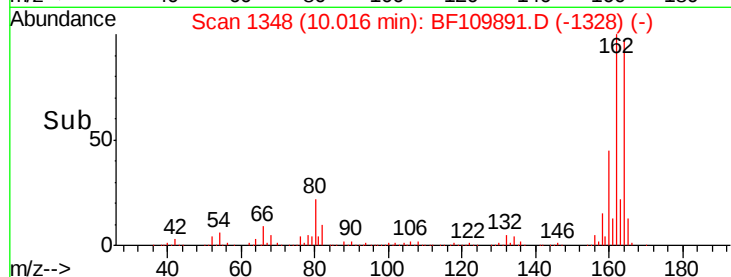
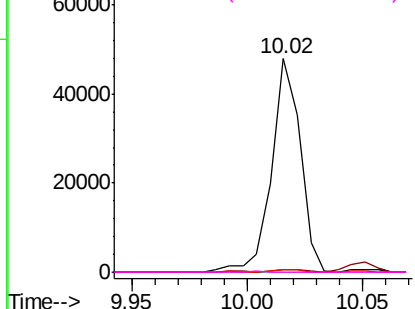


Abundance Ion 165.00 (164.70 to 165.70): E

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



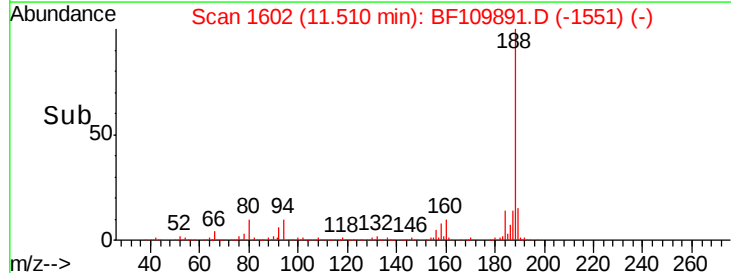
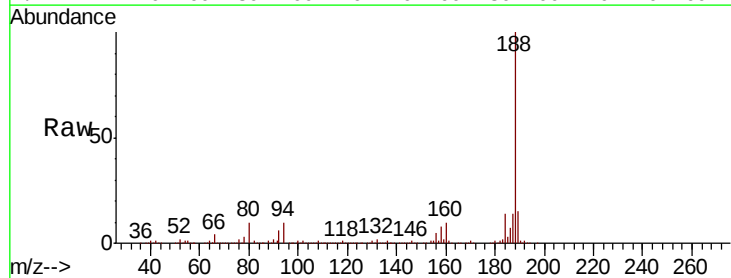
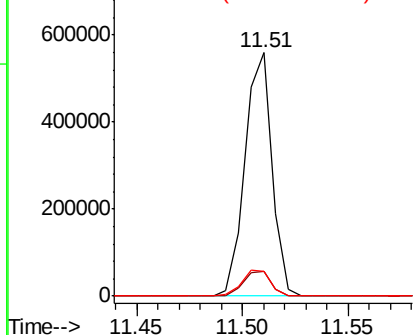
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. 0.00 min
 Lab File: BF109891.D
 Acq: 15 Oct 2018 20:47

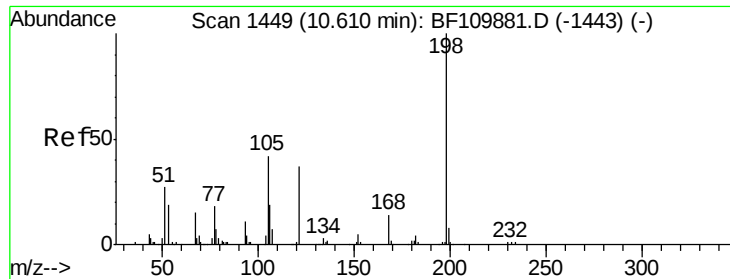
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.2	10.8
80	10.3	7.9	11.9

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

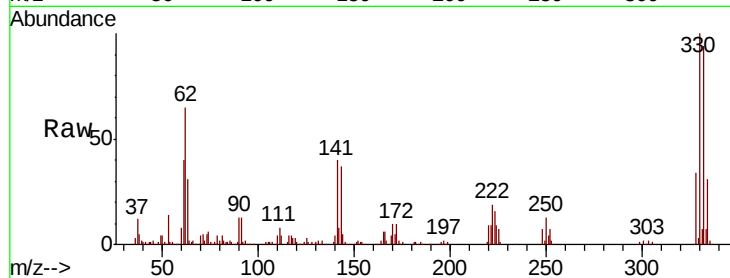




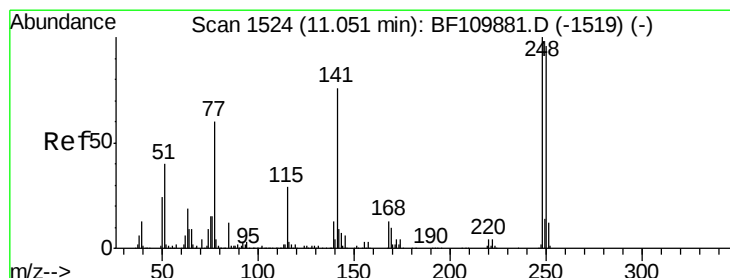
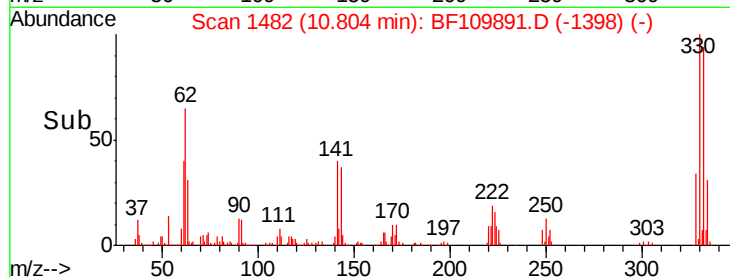
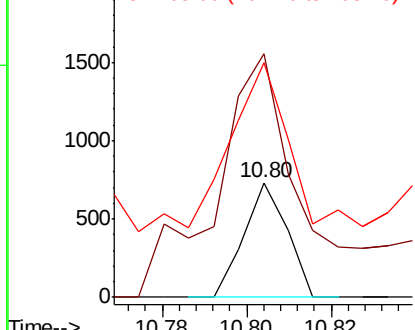
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.145 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.19 min
 Lab File: BF109891.D
 Acq: 15 Oct 2018 20:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	212.9	22.8	62.8#
105	205.6	23.6	63.6#

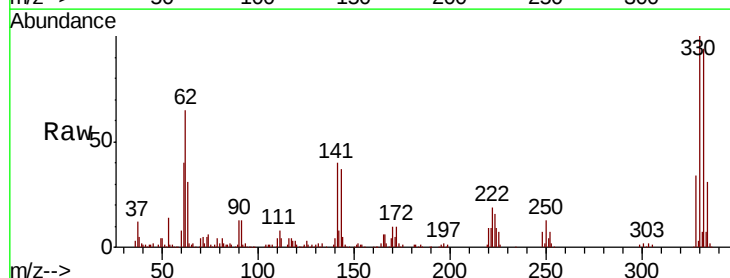


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

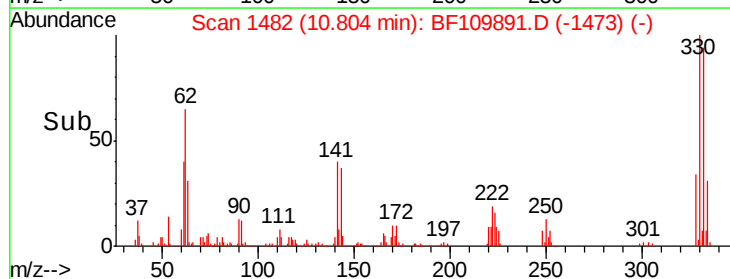
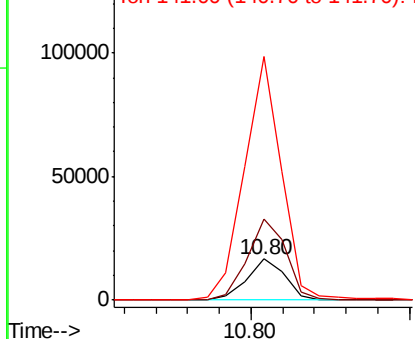


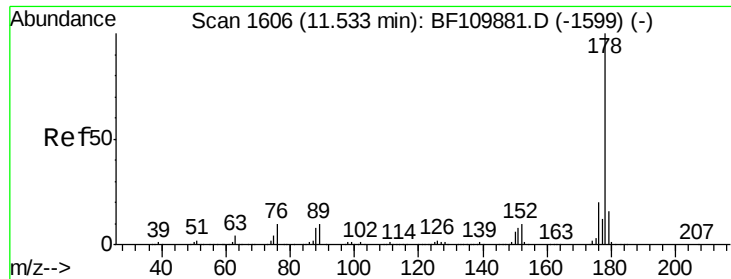
#67
 4-Bromophenyl-phenylether
 Concen: 2.573 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.25 min
 Lab File: BF109891.D
 Acq: 15 Oct 2018 20:47

Tgt Ion	Ratio	Lower	Upper
248	100		
250	200.0	79.4	119.2#
141	596.1	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

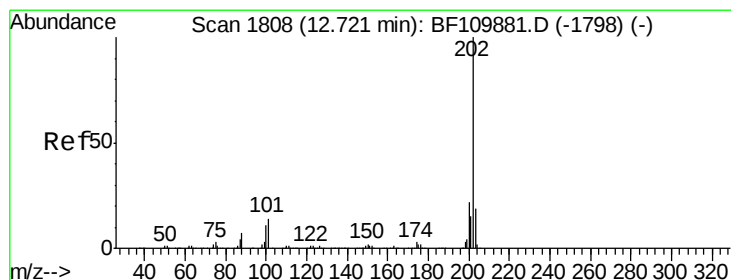
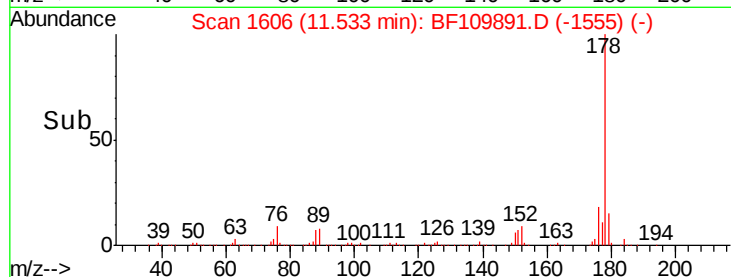
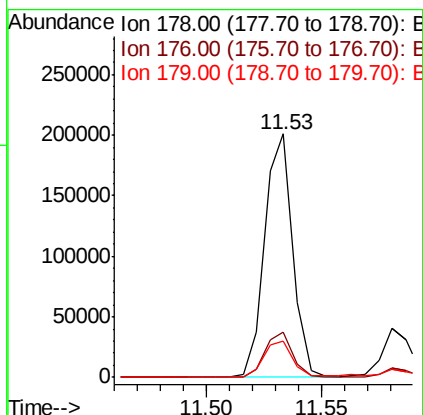
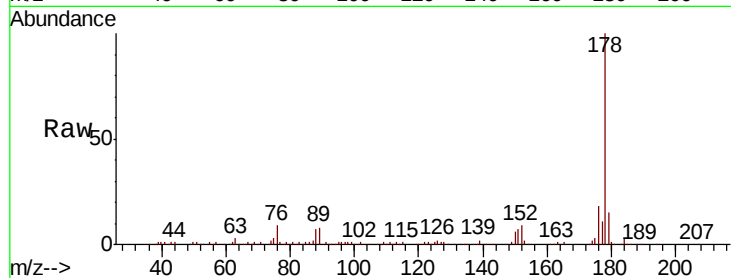




#71
Phenanthrene
Concen: 6.638 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: BF109891.D
Acq: 15 Oct 2018 20:47

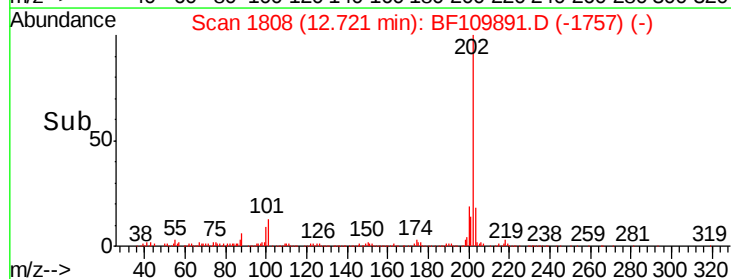
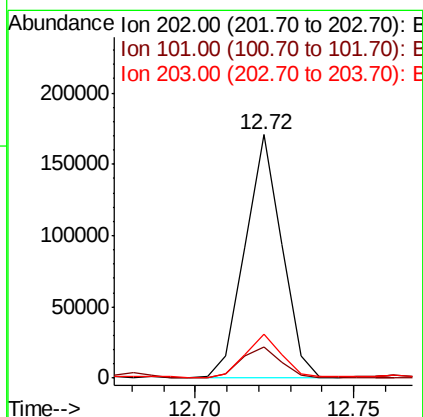
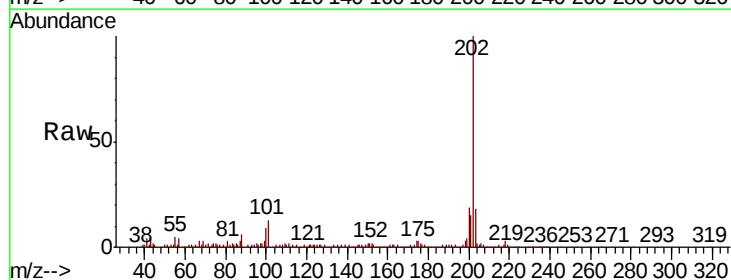
Instrument :
BNA_F
ClientSampleId :

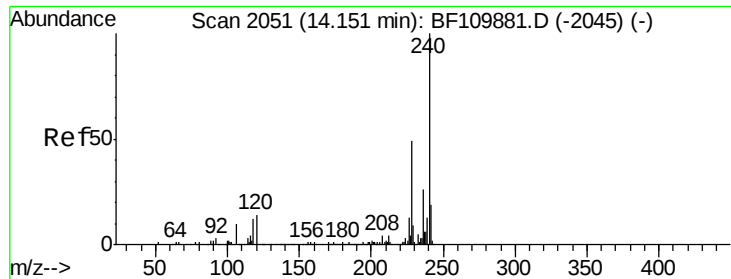
Tot Ion:178 Resp: 169809
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 14.9 12.5 18.7



#75
Fluoranthene
Concen: 5.349 ng
RT: 12.72 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BF109891.D
Acq: 15 Oct 2018 20:47

Tgt Ion:202 Resp: 136706
Ion Ratio Lower Upper
202 100
101 12.9 0.0 31.4
203 18.2 0.0 37.7

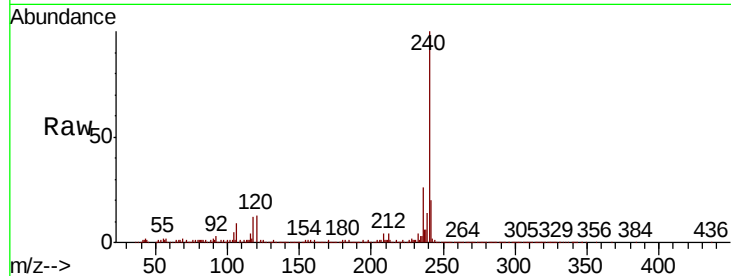




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.00 min
Lab File: BF109891.D
Acq: 15 Oct 2018 20:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.8	8.3	12.5#
236	26.1	21.2	31.8

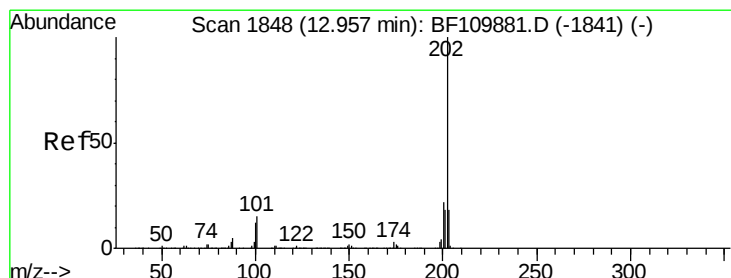
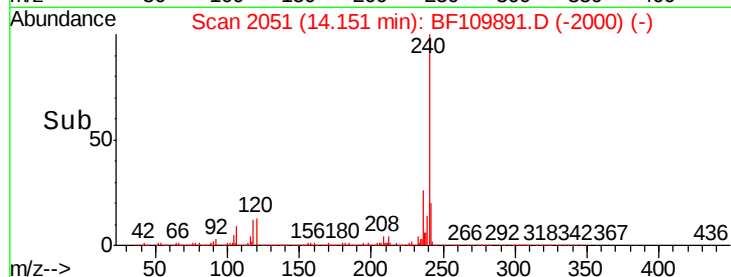
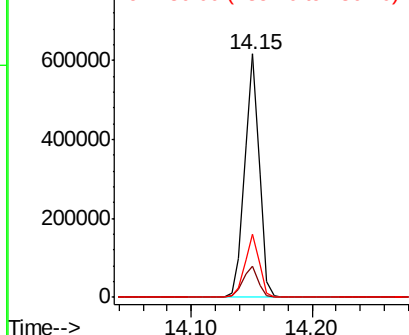


Abundance

Ion 240.00 (239.70 to 240.70): E

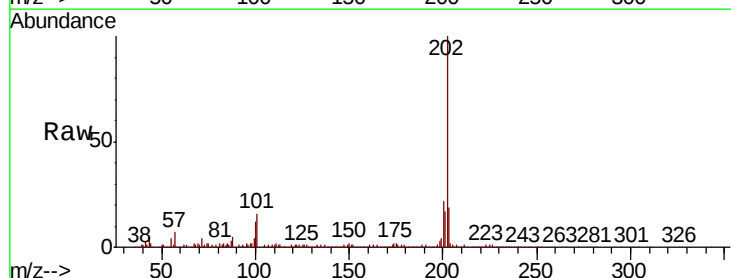
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 4.607 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF109891.D
Acq: 15 Oct 2018 20:47

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.8	26.6
203	18.9	14.2	21.4

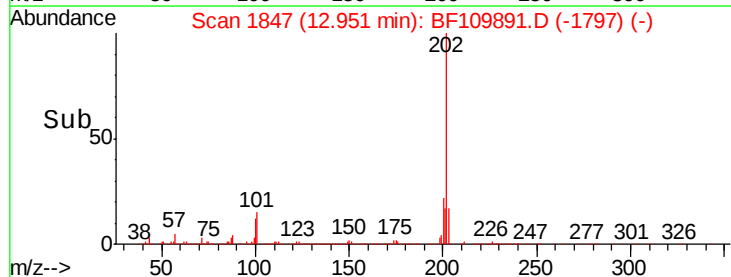
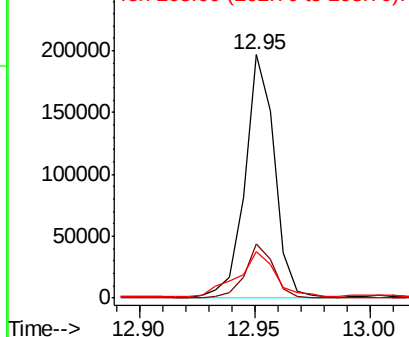


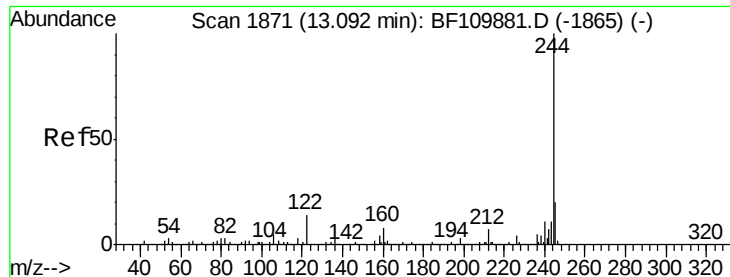
Abundance

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

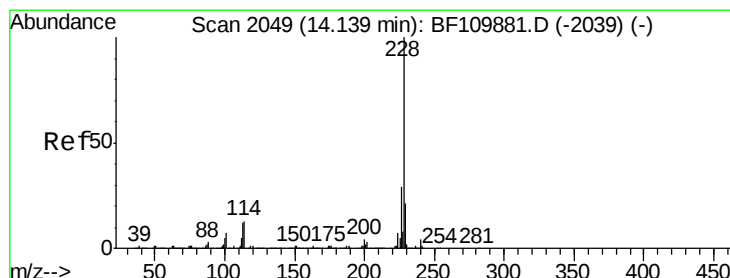
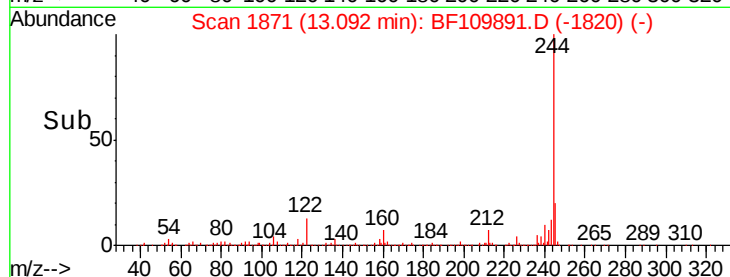
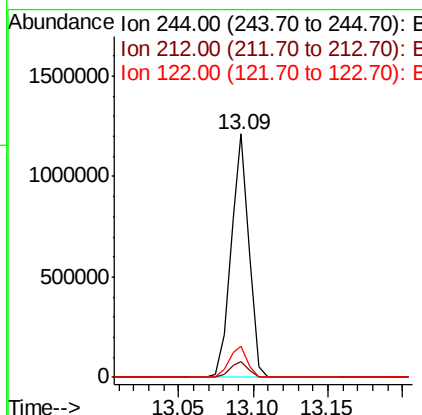
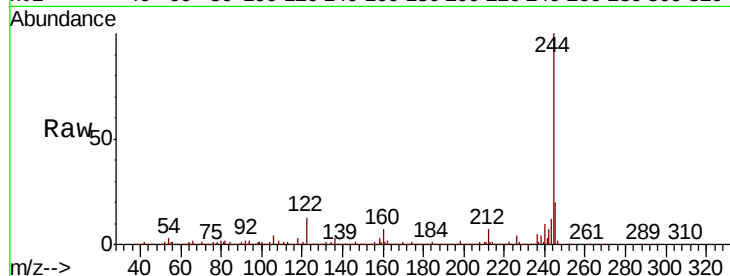




#79
 Terphenyl-d14
 Concen: 41.296 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: BF109891.D
 Acq: 15 Oct 2018 20:47

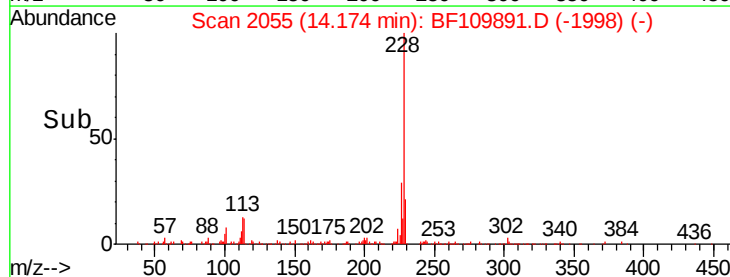
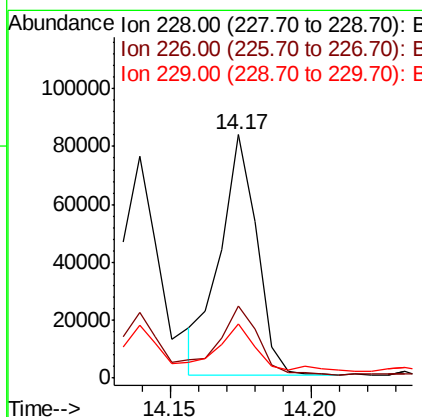
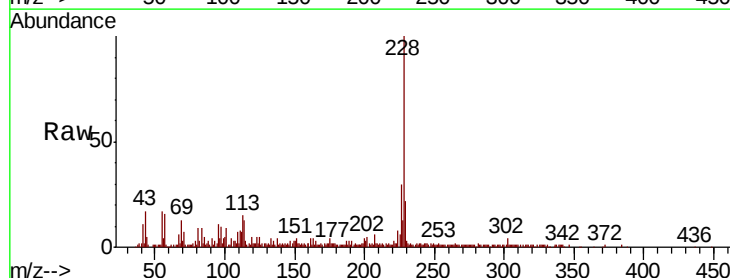
Instrument :
 BNA_F
 ClientSampleId :

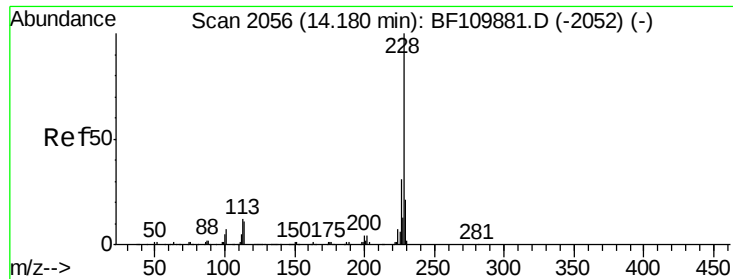
Tot Ion:244 Resp: 1019422
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.8
 122 12.6 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 2.468 ng
 RT: 14.17 min Scan# 2055
 Delta R.T. 0.04 min
 Lab File: BF109891.D
 Acq: 15 Oct 2018 20:47

Tgt Ion:228 Resp: 75355
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.1 33.1
 229 22.3 15.6 23.4





#83

Chrysene

Concen: 2.593 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.01 min

Lab File: BF109891.D

Acq: 15 Oct 2018 20:47

Instrument :

BNA_F

ClientSampled :

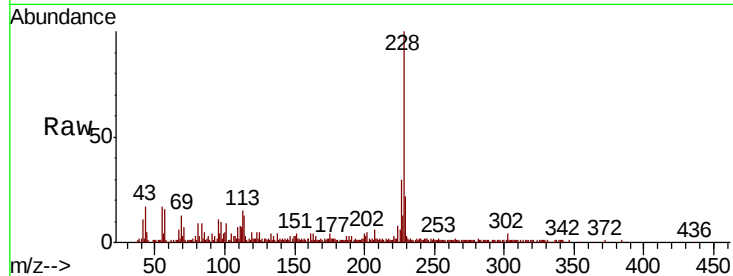
Tot Ion:228 Resp: 75355

Ion Ratio Lower Upper

228 100

226 29.7 24.7 37.1

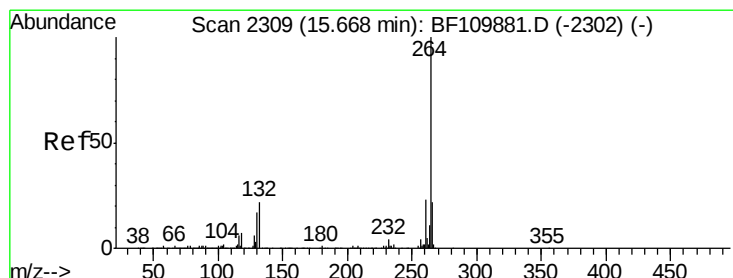
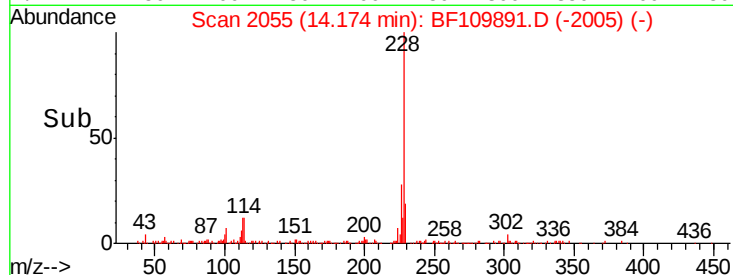
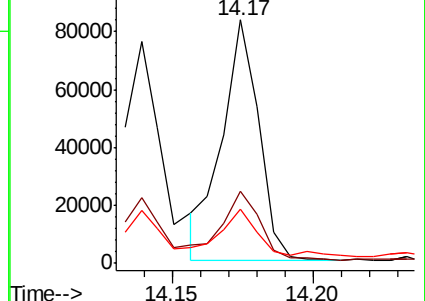
229 22.3 15.9 23.9



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

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF109891.D

Acq: 15 Oct 2018 20:47

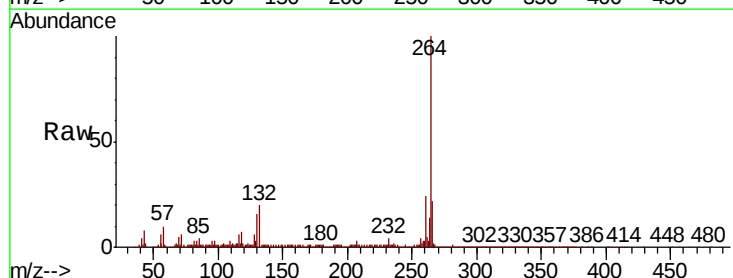
Tgt Ion:264 Resp: 416789

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

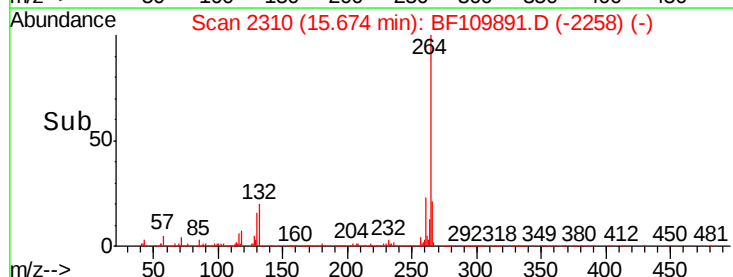
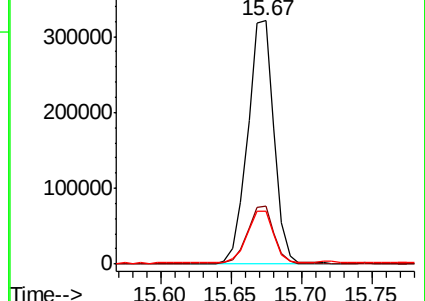
265 21.8 16.7 25.1

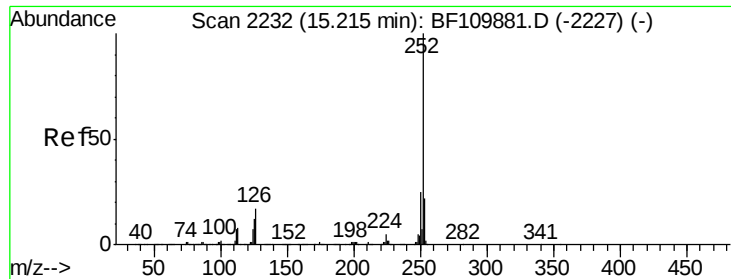


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

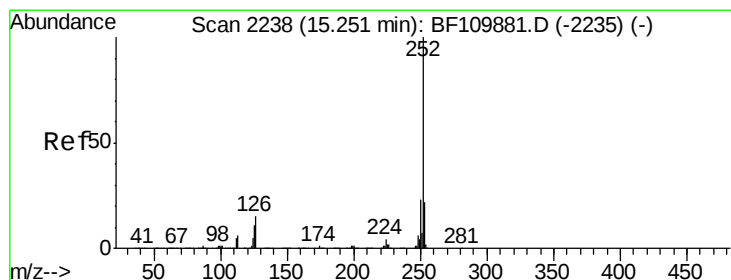
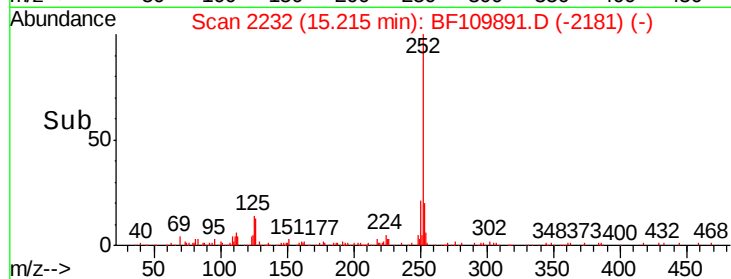
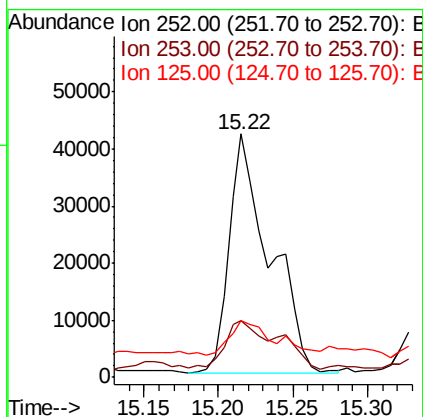
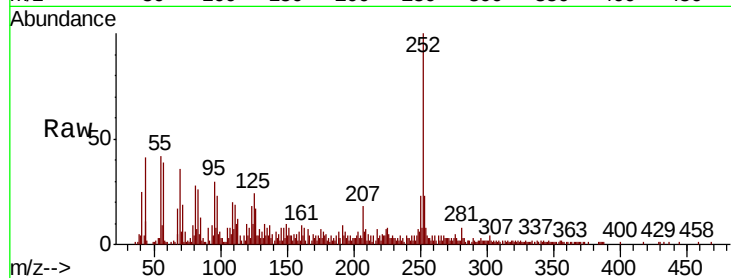




#88
Benzo(b)fluoranthene
Concen: 3.295 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF109891.D
Acq: 15 Oct 2018 20:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	23.5	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 3.343 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.04 min
Lab File: BF109891.D
Acq: 15 Oct 2018 20:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	23.5	7.4	11.0

