

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
 Data File : BF108891.D
 Acq On : 10 Sep 2018 14:29
 Operator : JU/SJ
 Sample : J4776-01 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 10 15:40:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

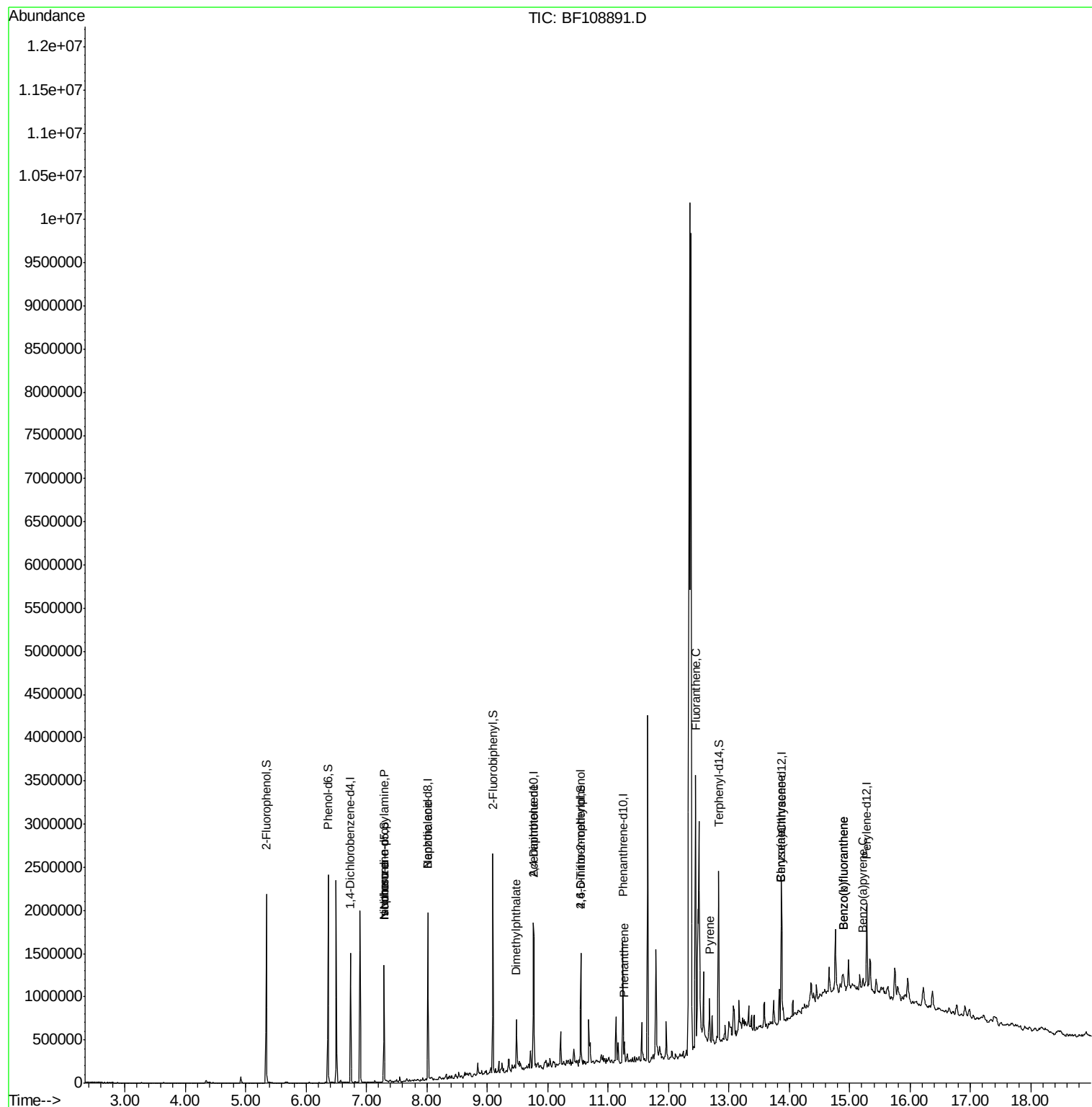
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	205991	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	749562	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	315276	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	530023	20.00	ng	0.00
75) Chrysene-d12	13.87	240	516743	20.00	ng	0.00
86) Perylene-d12	15.28	264	442560	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	582415	46.84	ng	0.00
7) Phenol-d6	6.37	99	722877	45.18	ng	0.00
23) Nitrobenzene-d5	7.29	82	435794	36.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	133501	44.36	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	776812	42.03	ng	0.00
78) Terphenyl-d14	12.83	244	642753	29.01	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	58685	5.277	ng	# 78
25) Isophorone	7.29	82	431205	18.049	ng	# 64
32) Benzoic acid	8.02	122	110	4.034	ng	# 1
49) Dimethylphthalate	9.48	163	197709	8.966	ng	100
56) 2,4-Dinitrotoluene	9.77	165	43577	8.109	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.55	198	106	6.912	ng	# 1
70) Phenanthrene	11.27	178	80064	3.163	ng	99
74) Fluoranthene	12.45	202	154433	6.162	ng	96
77) Pyrene	12.68	202	165824	4.170	ng	98
80) Benzo(a)anthracene	13.86	228	100040	3.020	ng	94
82) Chrysene	13.86	228	100040	3.120	ng	98
87) Benzo(b)fluoranthene	14.88	252	141279	5.871	ng	# 82
88) Benzo(k)fluoranthene	14.88	252	141279	6.375	ng	# 85
89) Benzo(a)pyrene	15.22	252	67537	3.110	ng	# 83

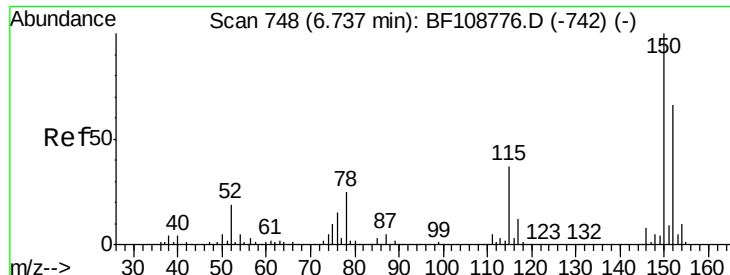
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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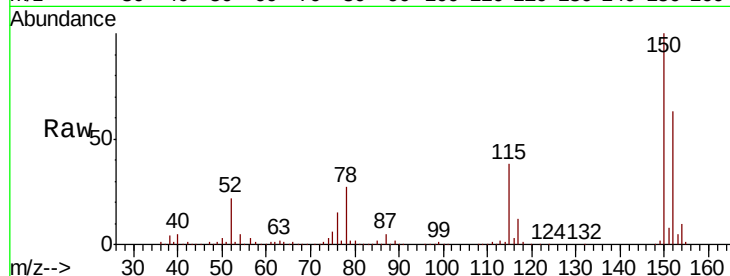


#1

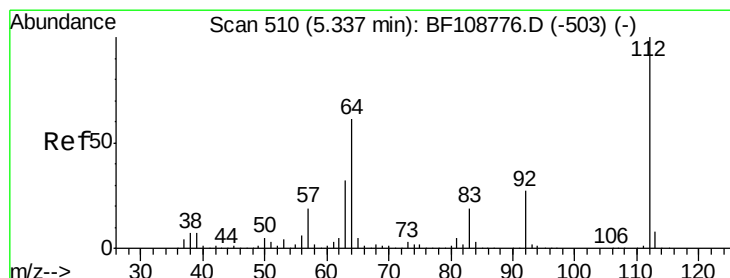
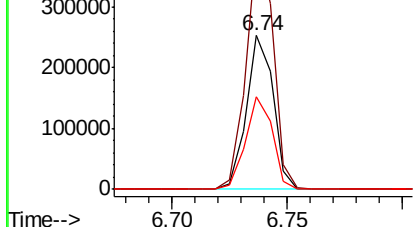
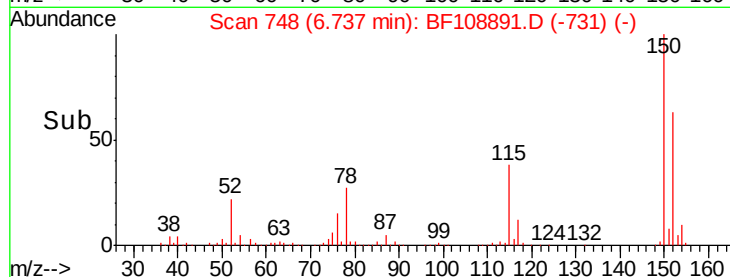
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF108891.D
Acq: 10 Sep 2018 14:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	60.2	50.1	75.1



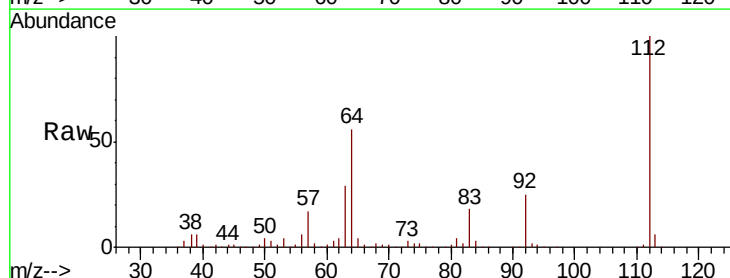
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



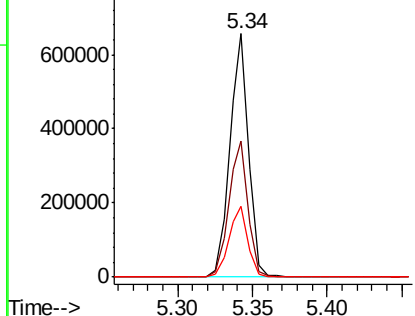
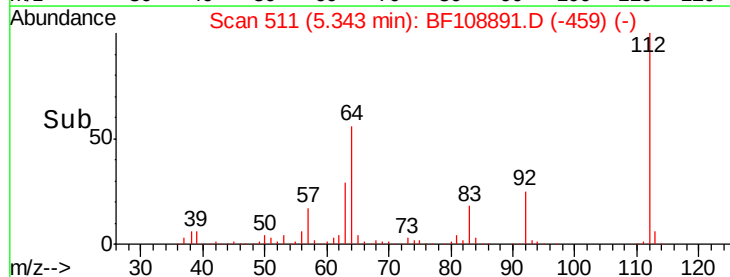
#5

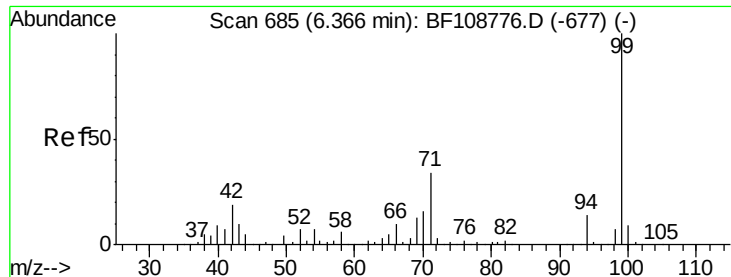
2-Fluorophenol
Concen: 46.840 ng
RT: 5.34 min Scan# 511
Delta R.T. 0.01 min
Lab File: BF108891.D
Acq: 10 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.9	71.9
63	28.9	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: 45.184 ng

RT: 6.37 min Scan# 685

Delta R.T. 0.00 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

Instrument :

BNA_E

ClientSampled :

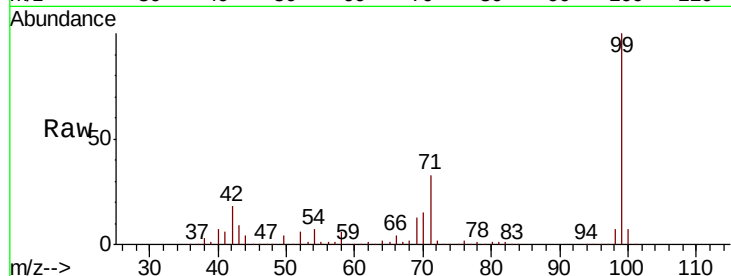
Tot Ion: 99 Resp: 722877

Ion Ratio Lower Upper

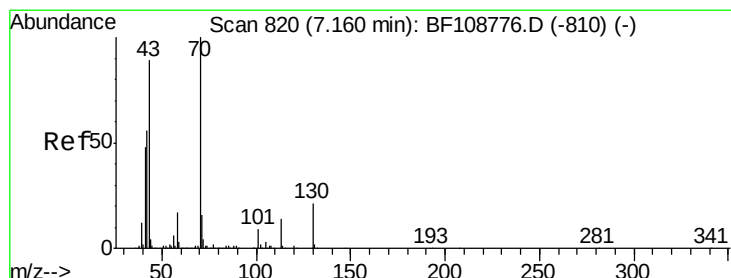
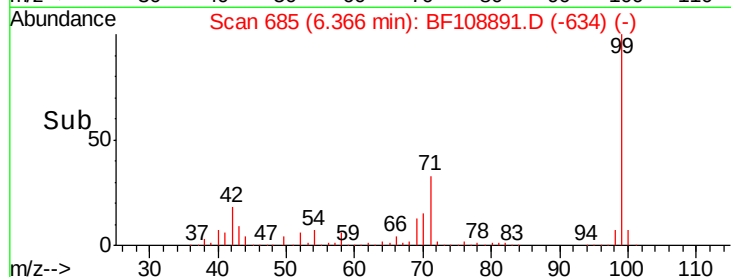
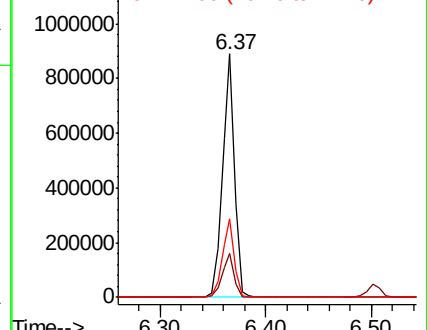
99 100

42 18.1 14.5 21.7

71 32.5 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.277 ng

RT: 7.29 min Scan# 842

Delta R.T. 0.13 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

Tgt Ion: 70 Resp: 58685

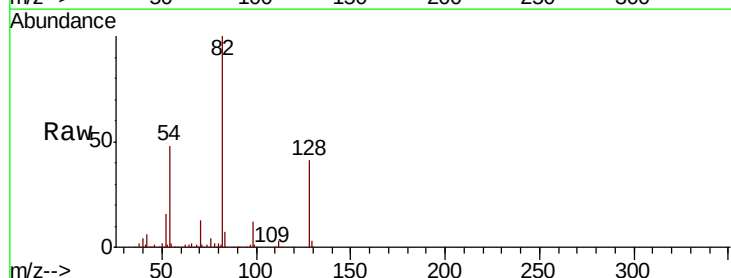
Ion Ratio Lower Upper

70 100

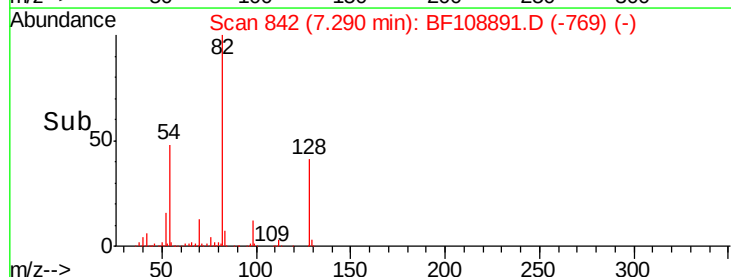
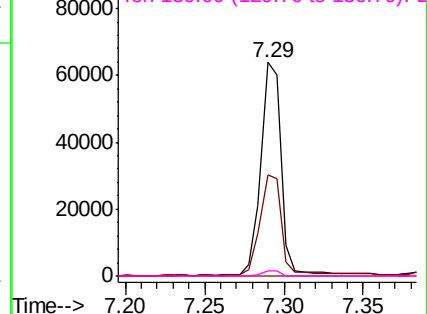
42 47.6 47.5 71.3

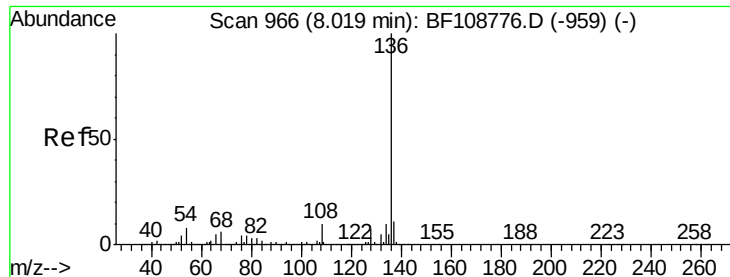
101 0.0 7.4 11.2#

130 2.6 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

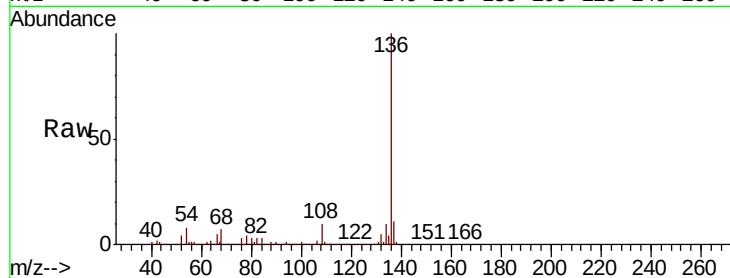




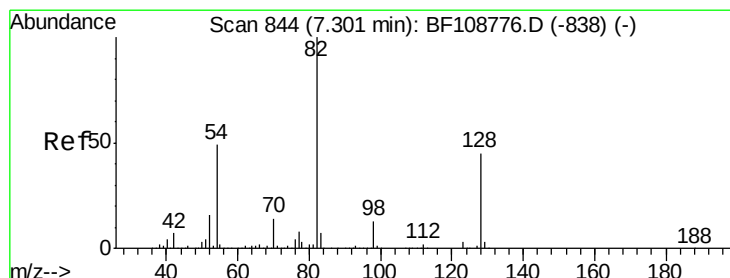
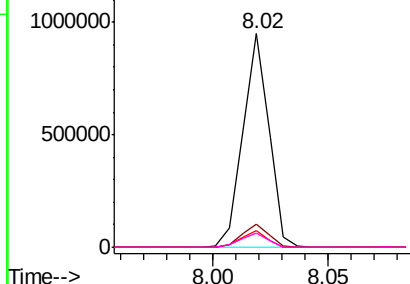
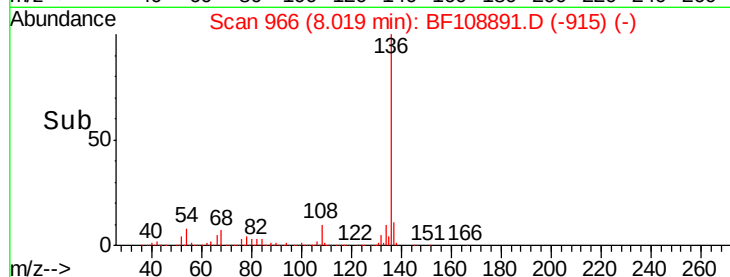
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. 0.00 min
Lab File: BF108891.D
Acq: 10 Sep 2018 14:29

Instrument :
BNA_E
ClientSampled :

Tot Ion:136	Resp:	749562
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.9	13.3
54 7.7	6.6	9.8
68 6.8	5.0	7.4

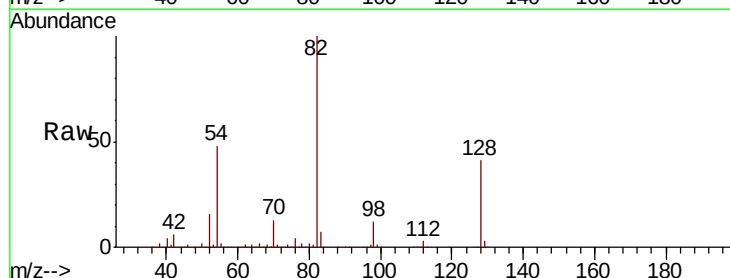


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

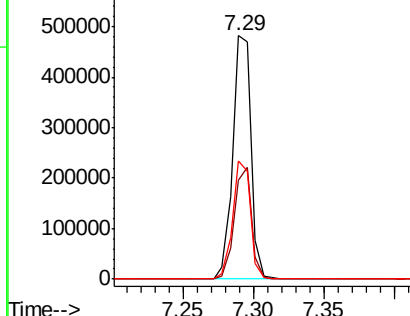
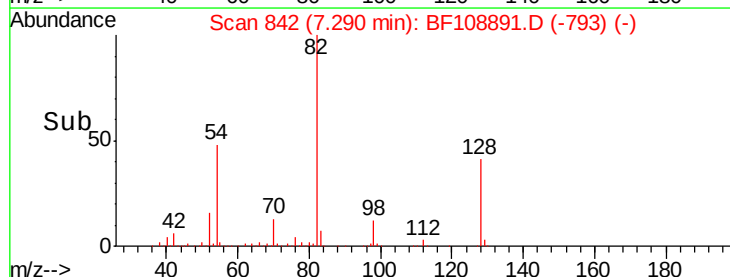


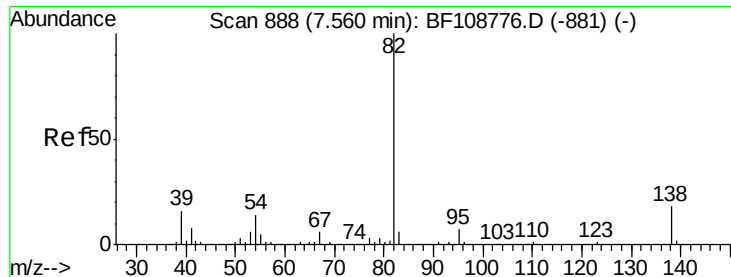
#23
Nitrobenzene-d5
Concen: 36.384 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF108891.D
Acq: 10 Sep 2018 14:29

Tgt Ion: 82	Resp:	435794
Ion Ratio	Lower	Upper
82 100		
128 40.5	36.1	54.1
54 48.3	41.4	62.2



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





#25

Isophorone

Concen: 18.049 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.27 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

Instrument :

BNA_E

ClientSampleId :

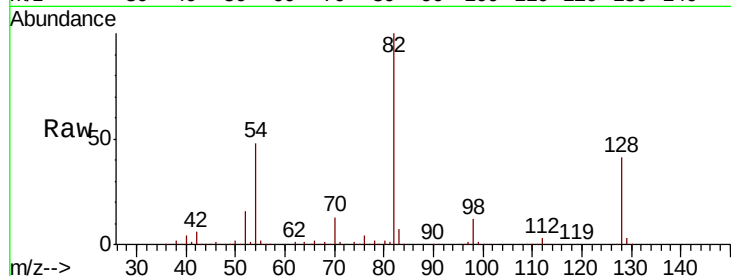
Tot Ion: 82 Resp: 431205

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

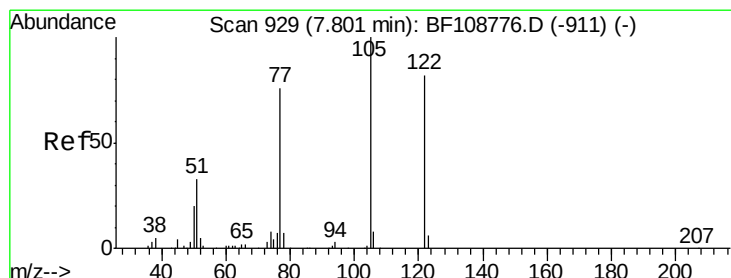
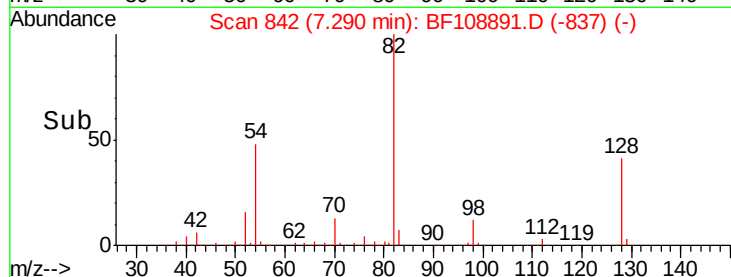
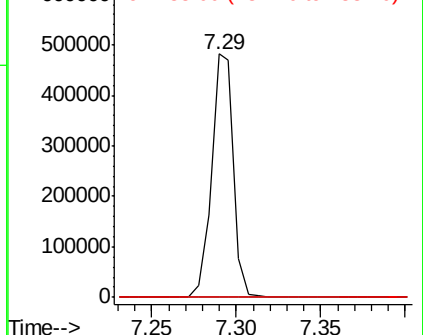
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 4.034 ng

RT: 8.02 min Scan# 966

Delta R.T. 0.22 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

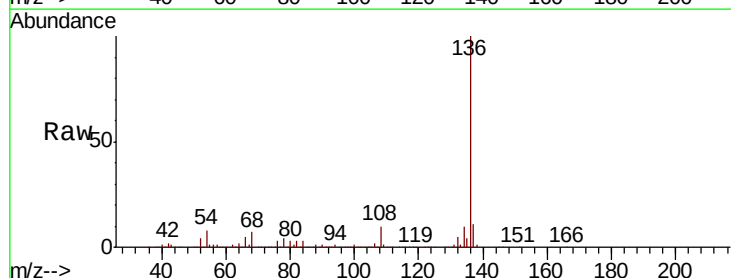
Tgt Ion: 122 Resp: 110

Ion Ratio Lower Upper

122 100

105 415.4 101.1 141.1#

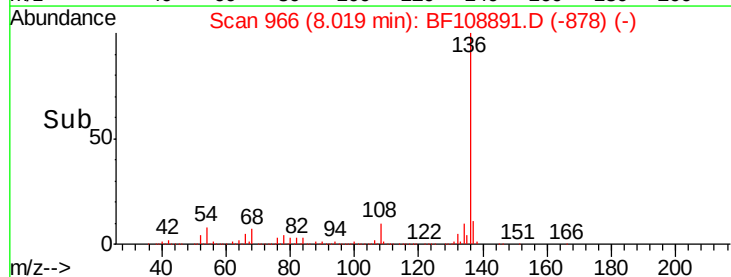
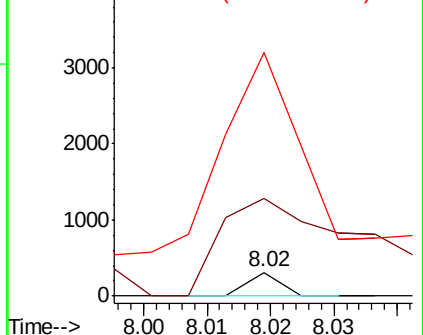
77 1029.3 70.7 110.7#

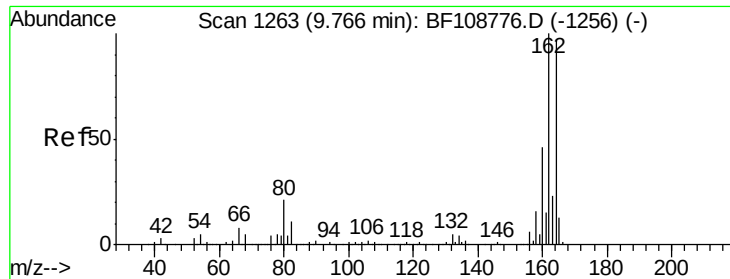


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

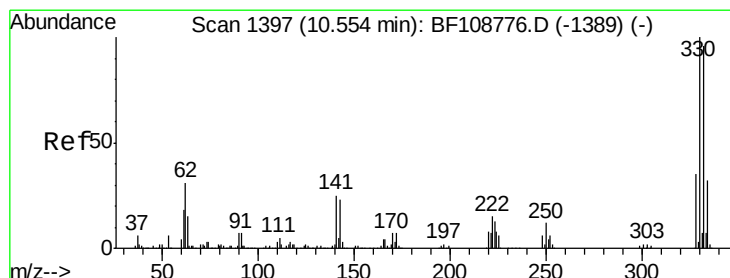
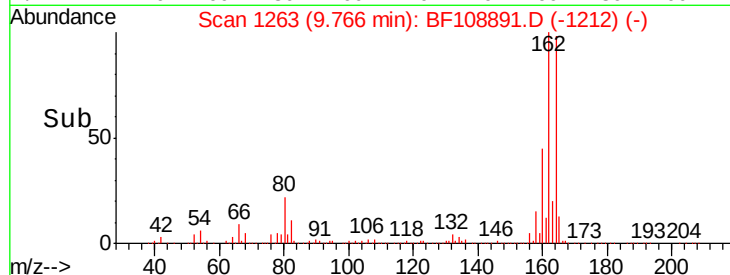
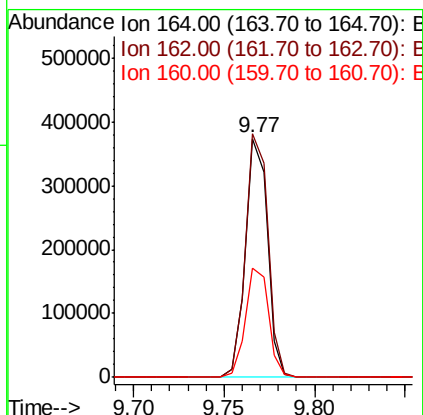
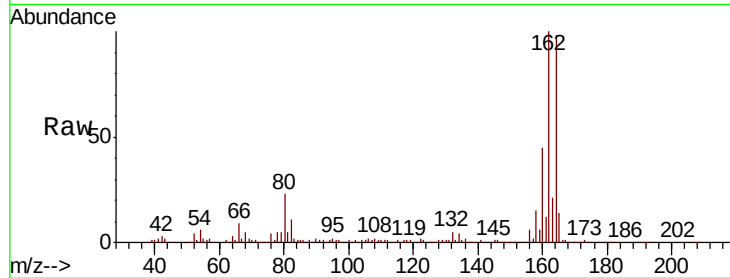




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: BF108891.D
 Acq: 10 Sep 2018 14:29

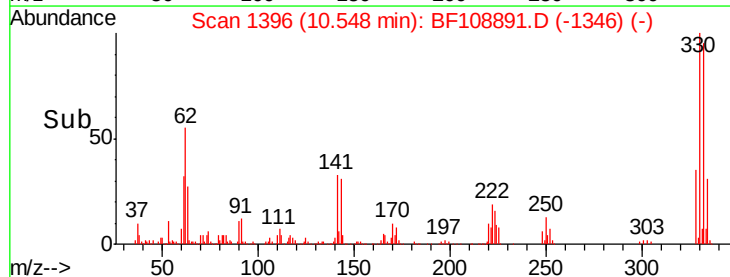
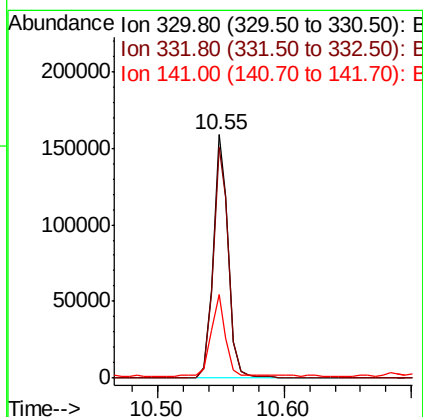
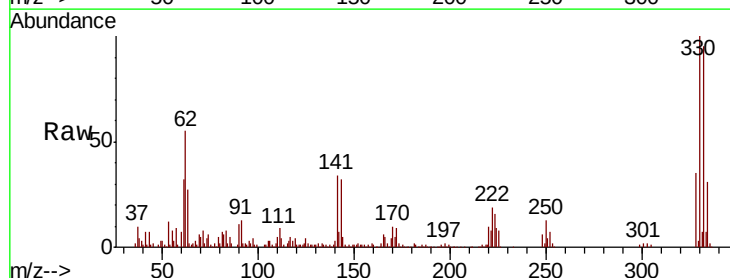
Instrument :
 BNA_E
 ClientSampleID :

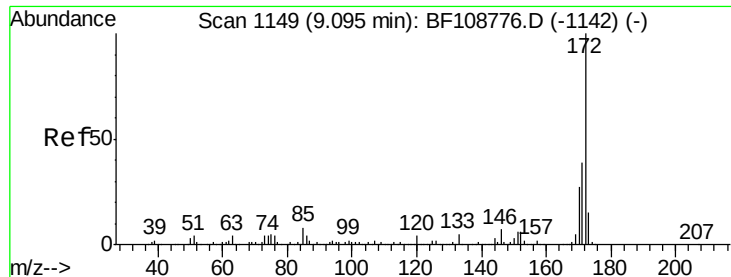
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	86.1	129.1
160	45.9	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 44.356 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108891.D
 Acq: 10 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	31.9	29.9	44.9

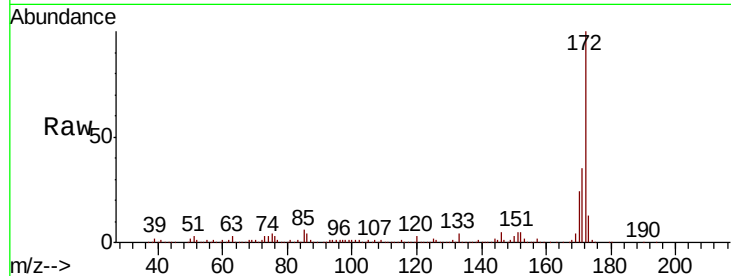




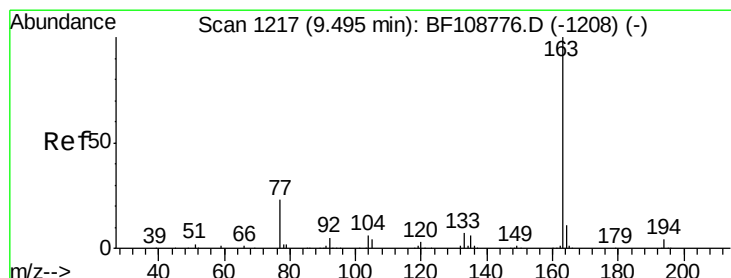
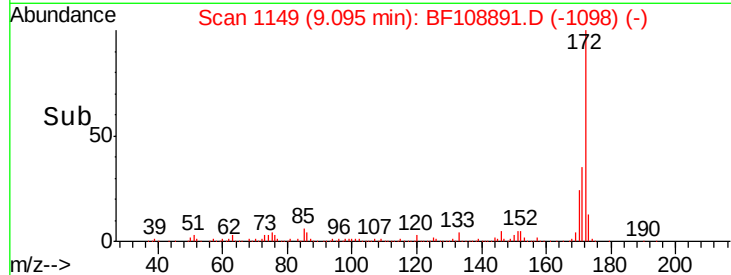
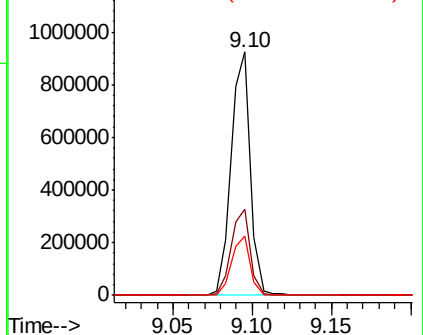
#44
2-Fluorobiphenyl
Concen: 42.034 ng
RT: 9.10 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF108891.D
Acq: 10 Sep 2018 14:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 776812
Ion Ratio Lower Upper
172 100
171 35.5 29.7 44.5
170 24.3 19.6 29.4

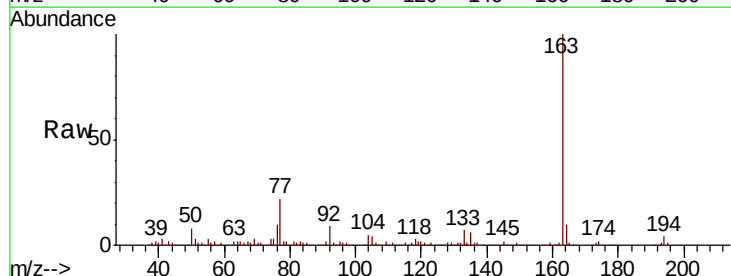


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

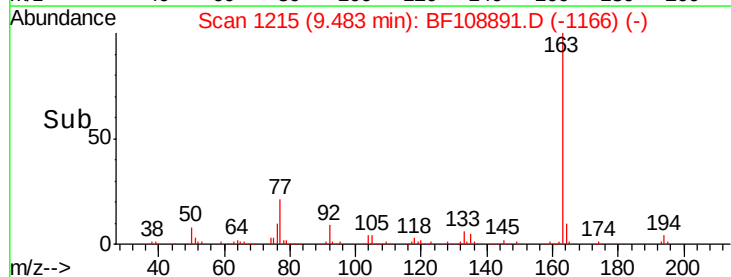
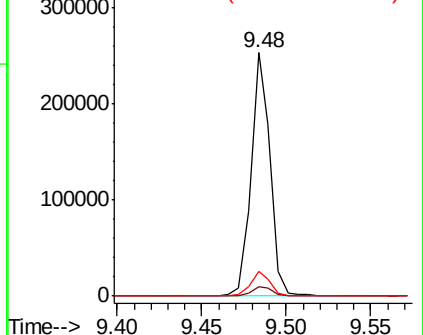


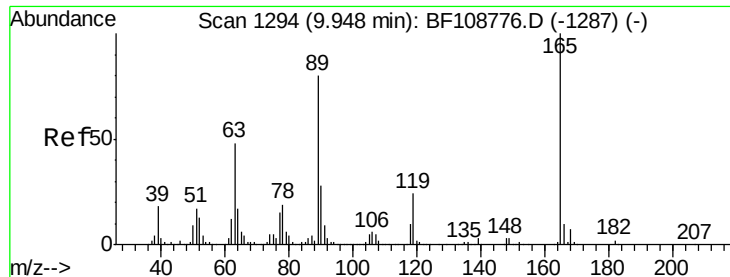
#49
Dimethylphthalate
Concen: 8.966 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108891.D
Acq: 10 Sep 2018 14:29

Tgt Ion:163 Resp: 197709
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.2 8.2 12.2



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

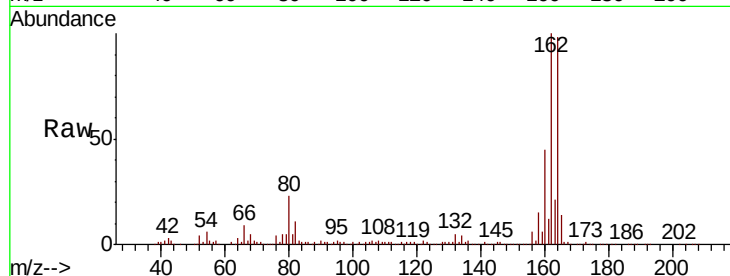




#56
 2,4-Dinitrotoluene
 Concen: 8.109 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.18 min
 Lab File: BF108891.D
 Acq: 10 Sep 2018 14:29

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.9	57.8	86.6#
182	2.8	1.6	2.4#



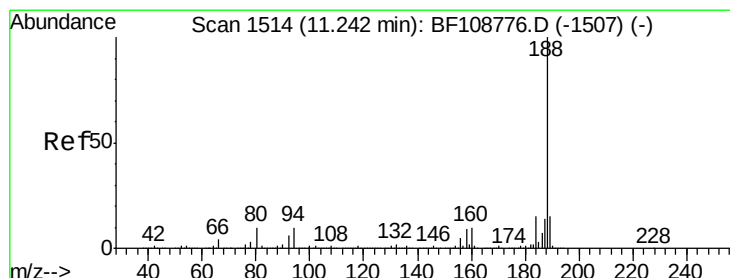
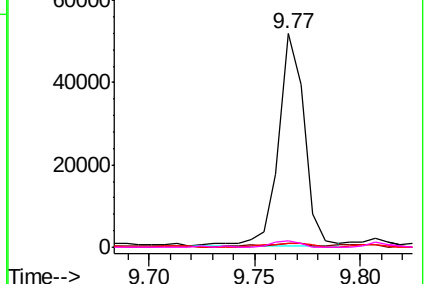
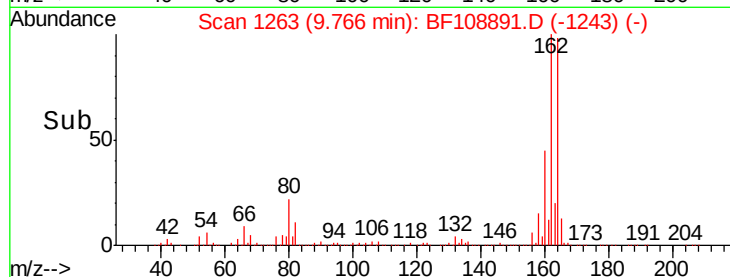
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

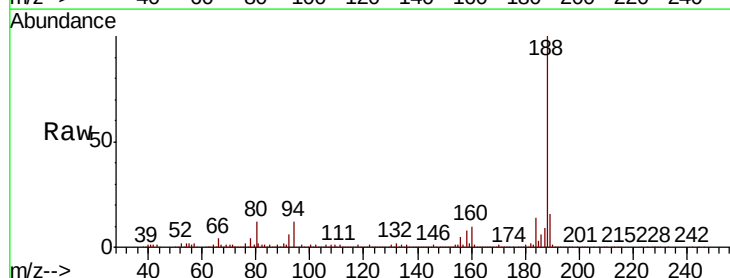
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: BF108891.D
 Acq: 10 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.8	8.5	12.7
80	11.9	9.2	13.8

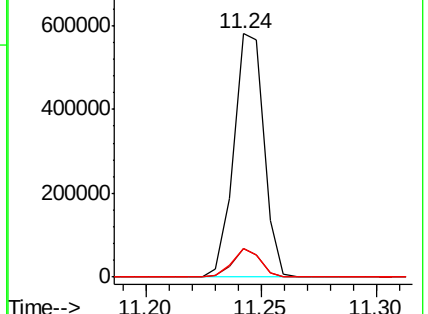
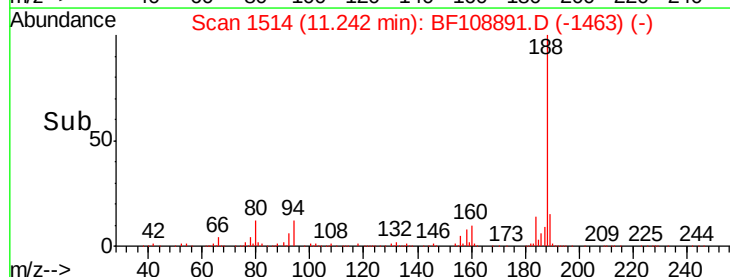


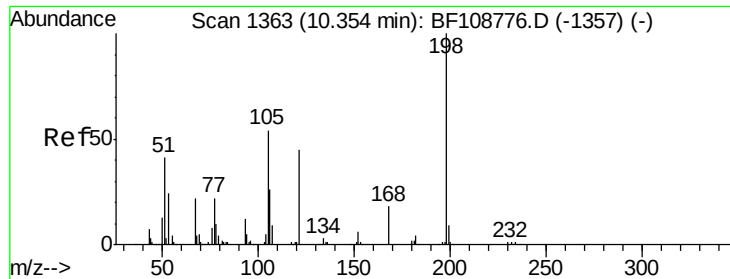
Abundance

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





#64

4,6-Dinitro-2-methylphenol

Concen: 6.912 ng

RT: 10.55 min Scan# 1396

Delta R.T. 0.19 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

Instrument :

BNA_E

ClientSampleId :

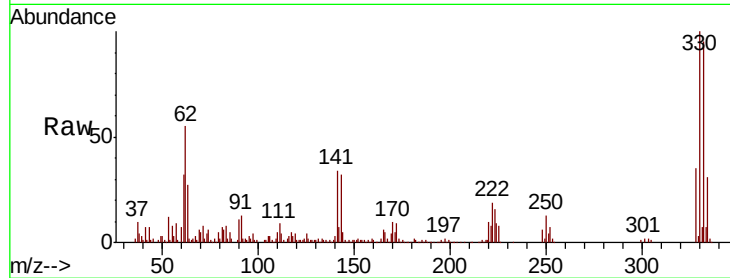
Tot Ion:198 Resp: 106

Ion Ratio Lower Upper

198 100

51 368.7 37.7 77.7#

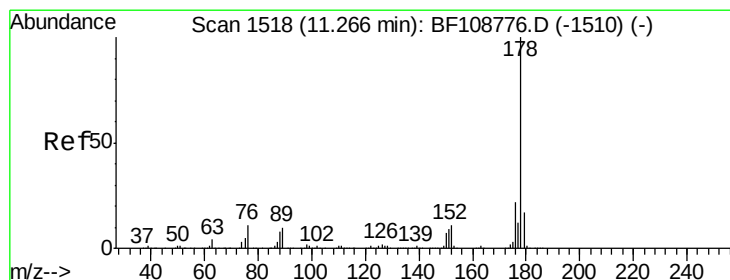
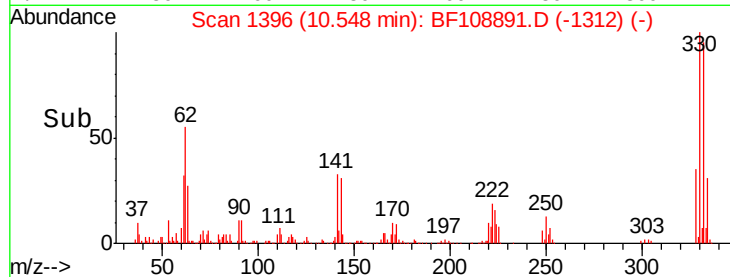
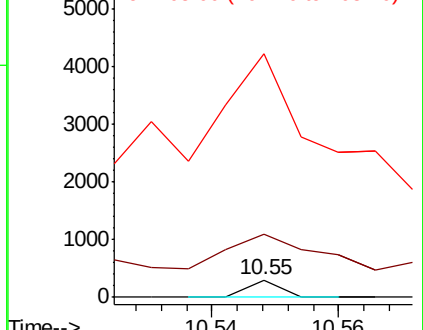
105 1410.0 36.3 76.3#



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



#70

Phenanthrene

Concen: 3.163 ng

RT: 11.27 min Scan# 1518

Delta R.T. 0.00 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

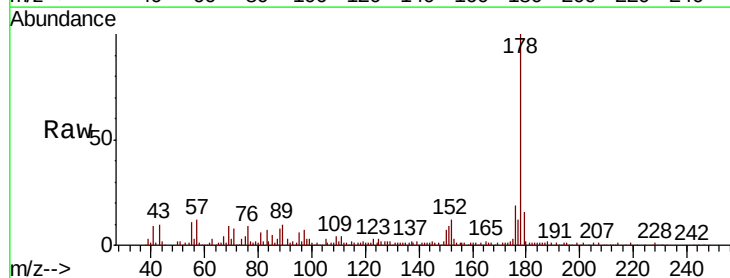
Tgt Ion:178 Resp: 80064

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

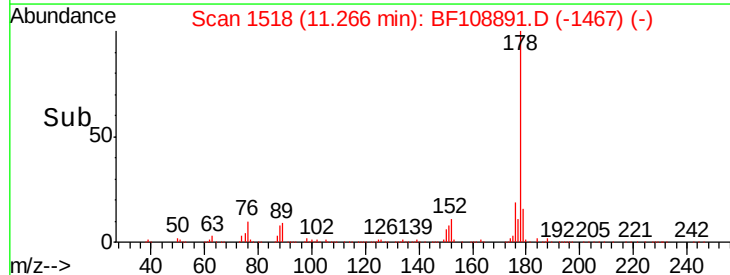
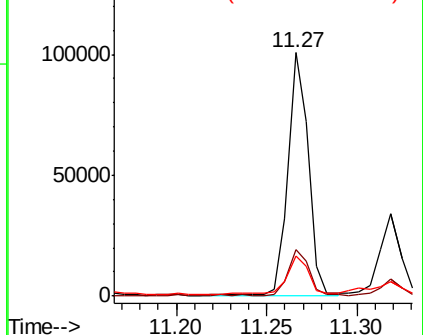
179 16.4 13.0 19.6

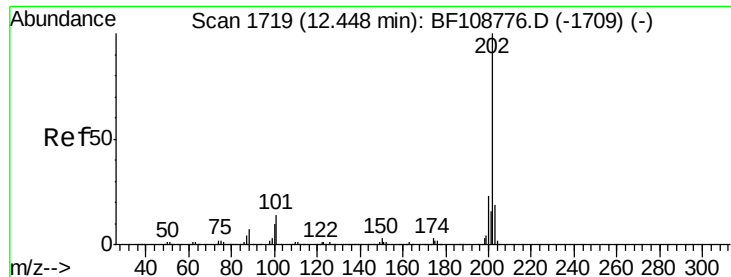


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.162 ng

RT: 12.45 min Scan# 1720

Delta R.T. 0.01 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

Instrument :

BNA_E

ClientSampled :

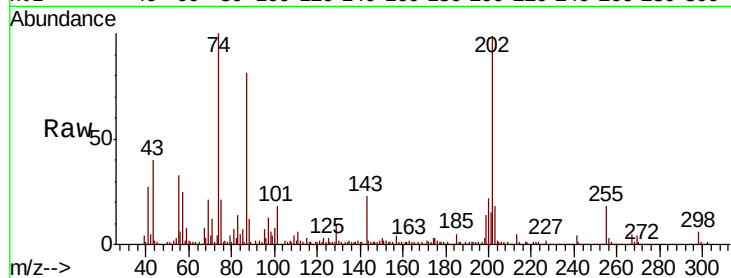
Tot Ion:202 Resp: 154433

Ion Ratio Lower Upper

202 100

101 17.7 0.0 34.1

203 18.0 0.0 38.1

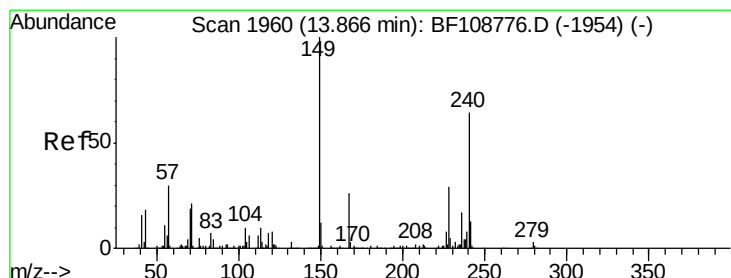
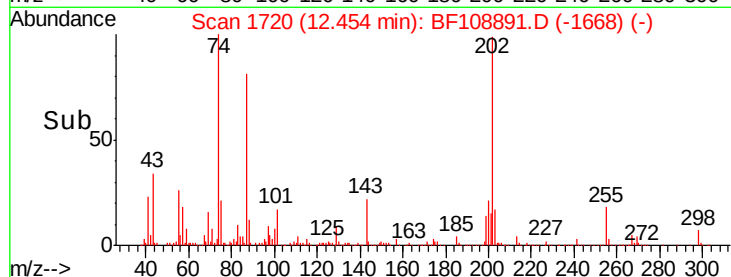
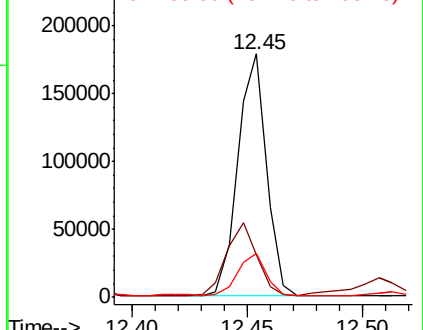


Abundance

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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 1961

Delta R.T. 0.01 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

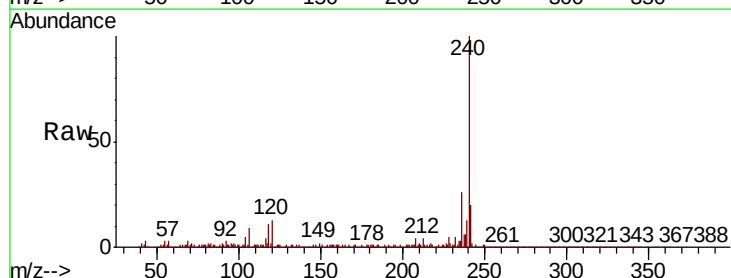
Tgt Ion:240 Resp: 516743

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

236 26.0 20.7 31.1

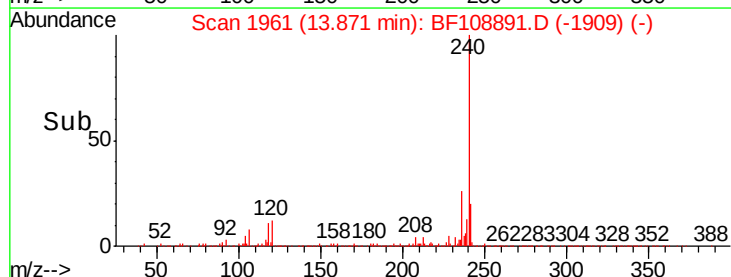
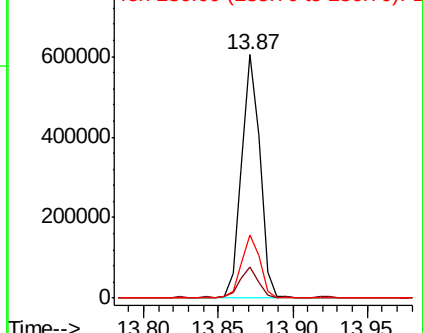


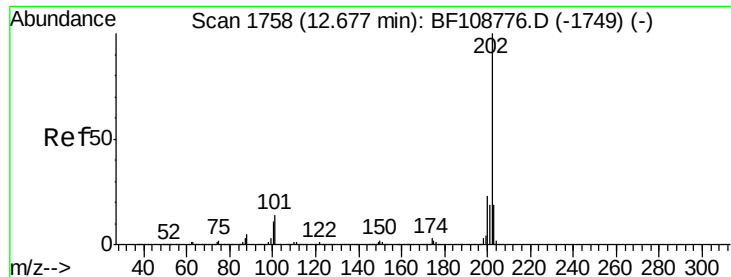
Abundance

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





#77

Pvrene

Concen: 4.170 ng

RT: 12.68 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

Instrument :

BNA_E

ClientSampled :

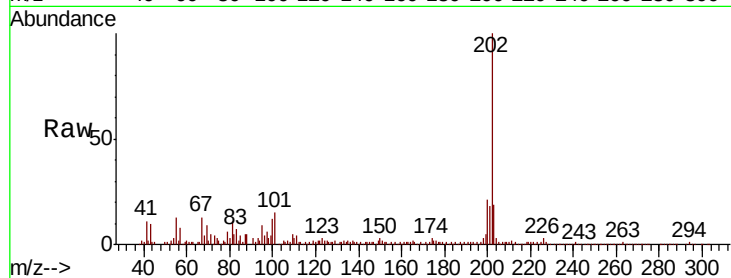
Tot Ion:202 Resp: 165824

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

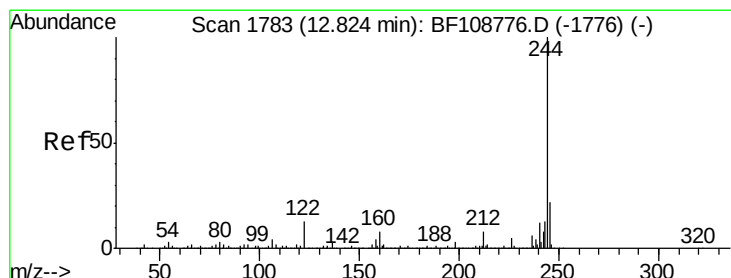
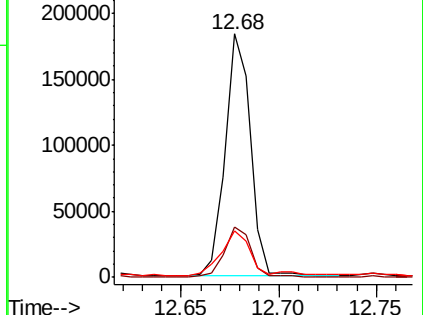
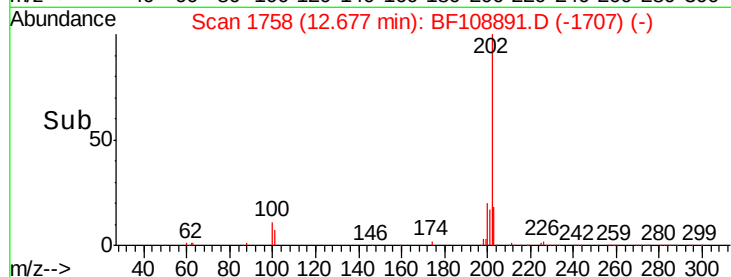
203 18.9 14.3 21.5



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



#78

Terphenyl-d14

Concen: 29.005 ng

RT: 12.83 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

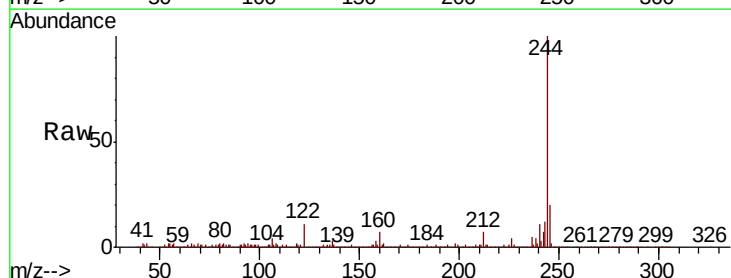
Tgt Ion:244 Resp: 642753

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

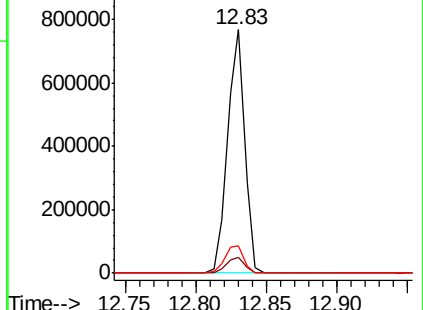
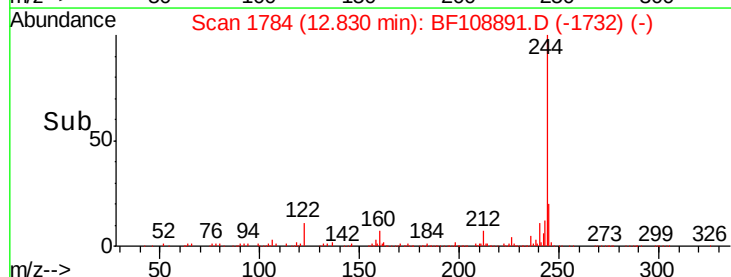
122 11.2 11.0 16.4

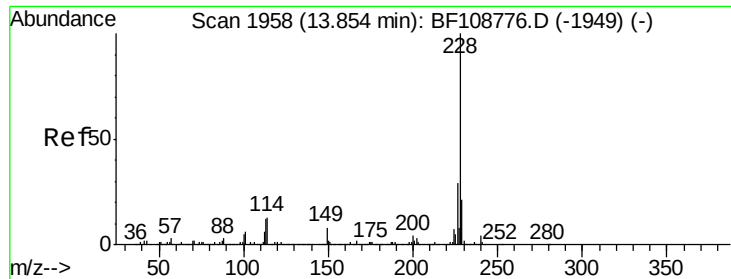


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

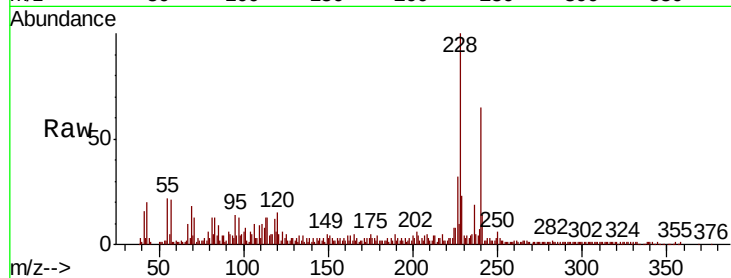




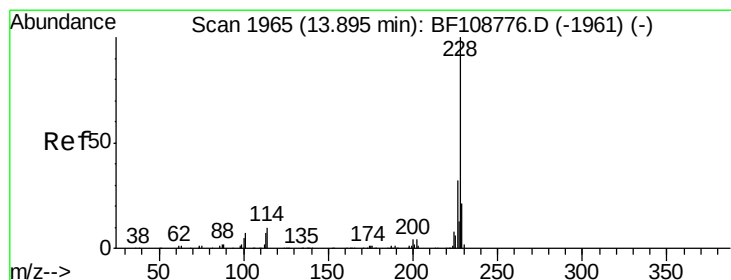
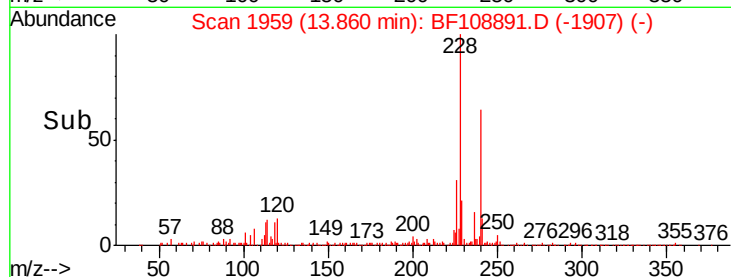
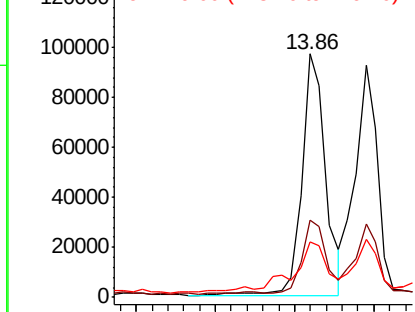
#80
Benzo(a)anthracene
Concen: 3.020 ng
RT: 13.86 min Scan# 1959
Delta R.T. 0.01 min
Lab File: BF108891.D
Acq: 10 Sep 2018 14:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion:228 Resp: 100040
Ion Ratio Lower Upper
228 100
226 31.6 22.6 33.8
229 22.6 15.8 23.6

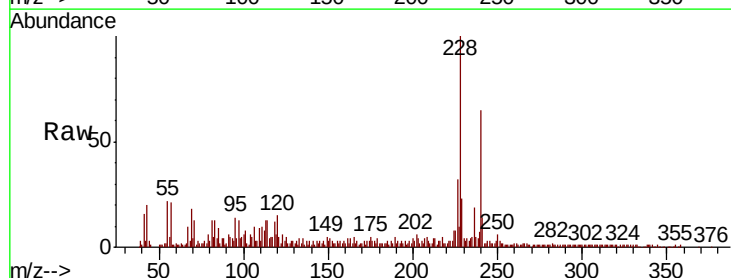


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

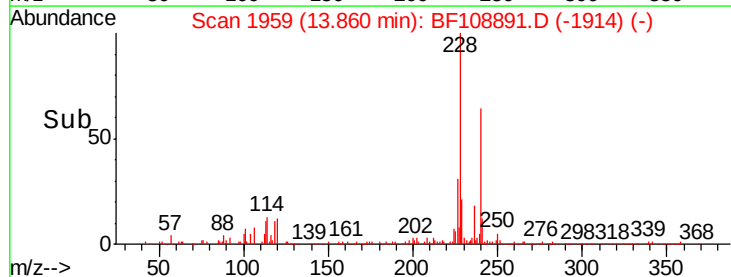
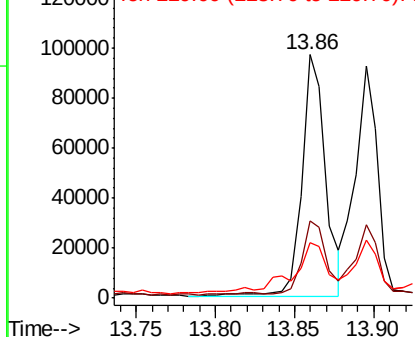


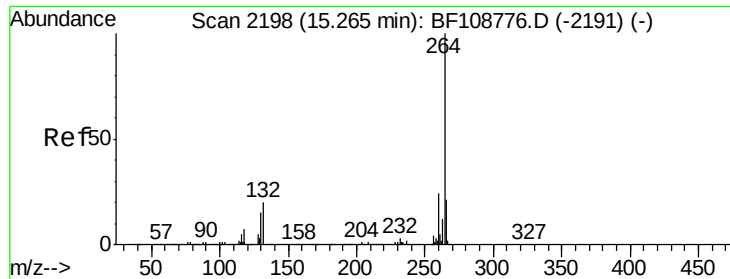
#82
Chrysene
Concen: 3.120 ng
RT: 13.86 min Scan# 1959
Delta R.T. -0.04 min
Lab File: BF108891.D
Acq: 10 Sep 2018 14:29

Tgt Ion:228 Resp: 100040
Ion Ratio Lower Upper
228 100
226 31.6 25.0 37.6
229 22.6 16.2 24.4



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

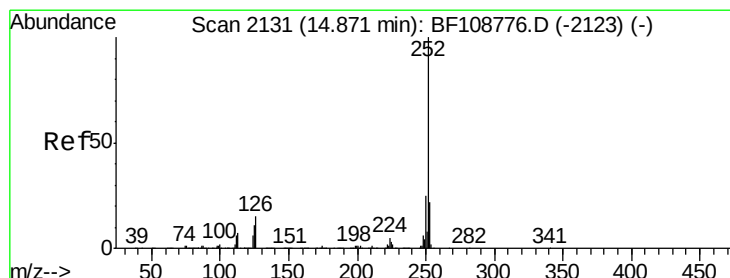
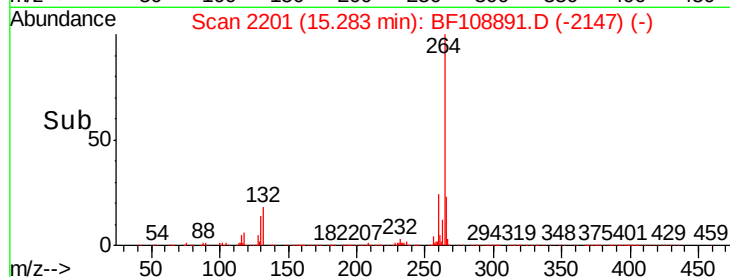
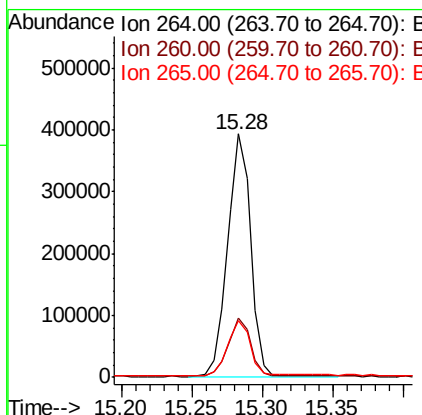
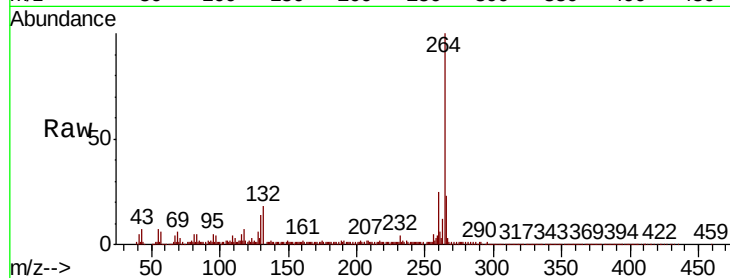




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2201
Delta R.T. 0.02 min
Lab File: BF108891.D
Acq: 10 Sep 2018 14:29

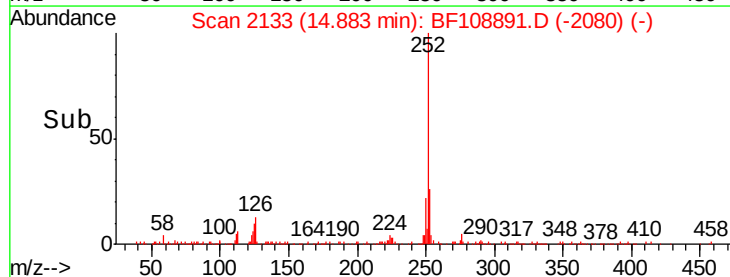
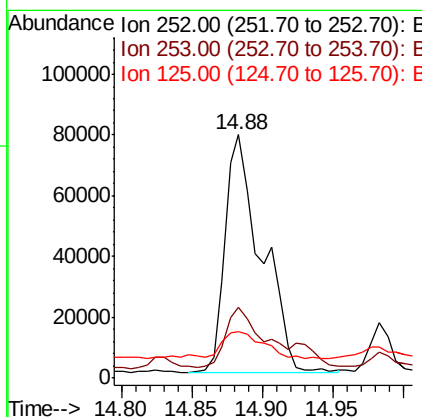
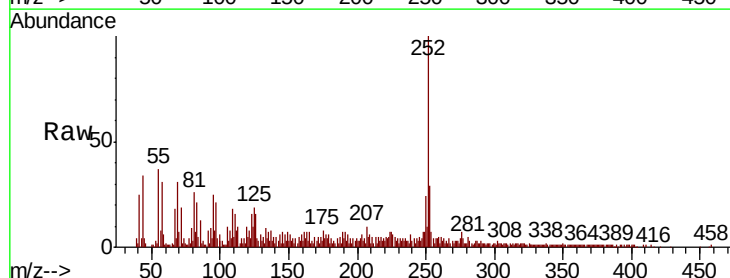
Instrument :
BNA_E
ClientSampled :

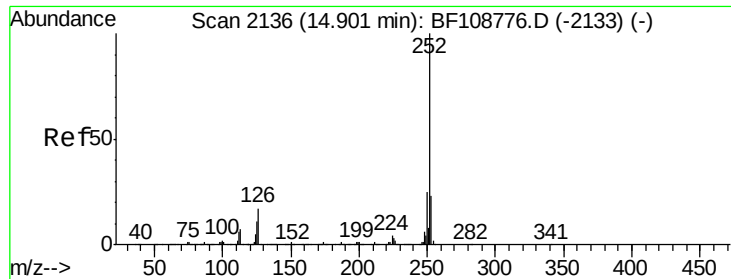
Tot Ion:264 Resp: 442560
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 23.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.871 ng
RT: 14.88 min Scan# 2133
Delta R.T. 0.01 min
Lab File: BF108891.D
Acq: 10 Sep 2018 14:29

Tgt Ion:252 Resp: 141279
Ion Ratio Lower Upper
252 100
253 29.1 17.0 25.6#
125 19.0 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 6.375 ng

RT: 14.88 min Scan# 2133

Delta R.T. -0.02 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

Instrument :

BNA_E

ClientSampleId :

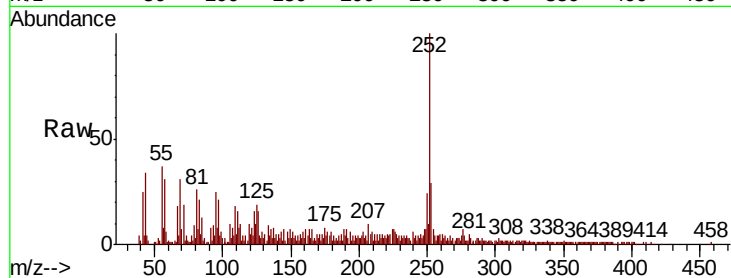
Tot Ion:252 Resp: 141279

Ion Ratio Lower Upper

252 100

253 29.1 17.9 26.9#

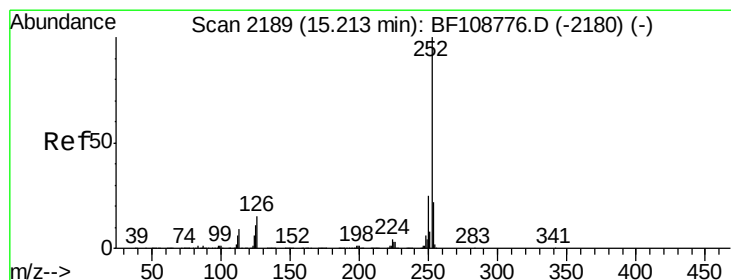
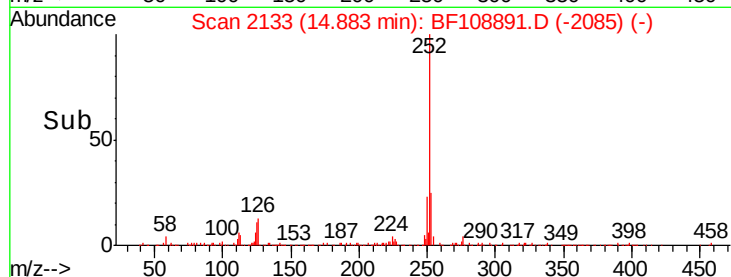
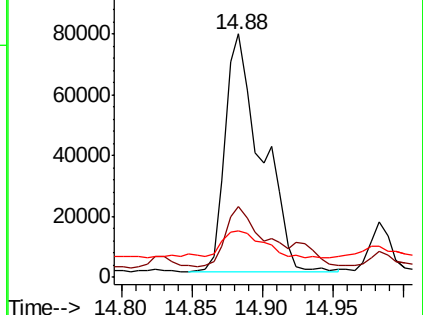
125 19.0 10.2 15.2#



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



#89

Benzo(a)pyrene

Concen: 3.110 ng

RT: 15.22 min Scan# 2191

Delta R.T. 0.01 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

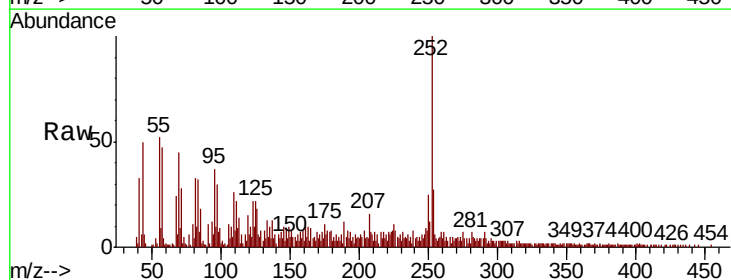
Tgt Ion:252 Resp: 67537

Ion Ratio Lower Upper

252 100

253 27.1 17.1 25.7#

125 21.9 9.8 14.6#



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

