

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
 Data File : BF108862.D
 Acq On : 7 Sep 2018 15:59
 Operator : JU/SJ
 Sample : J4775-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

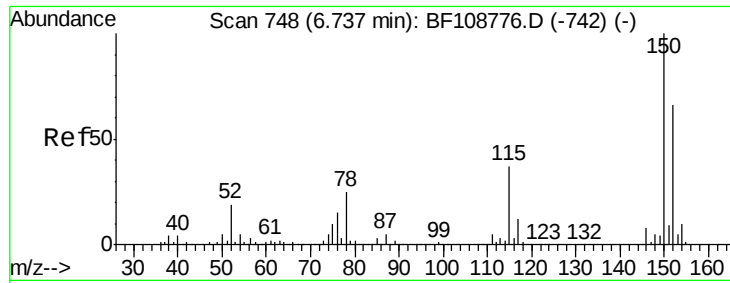
Quant Time: Sep 07 16:26:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	222285	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	879111	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	408493	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	717568	20.00	ng	0.00
75) Chrysene-d12	13.87	240	474619	20.00	ng	0.00
86) Perylene-d12	15.28	264	567133	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	251667	18.76	ng	0.00
7) Phenol-d6	6.36	99	326798	18.93	ng	0.00
23) Nitrobenzene-d5	7.29	82	192361	13.69	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	62347	15.99	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	382589	15.98	ng	0.00
78) Terphenyl-d14	12.82	244	280683	13.79	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	24388	2.032	ng	# 77
25) Isophorone	7.29	82	191523	6.835	ng	# 64
32) Benzoic acid	8.02	122	296	4.056	ng	# 1
49) Dimethylphthalate	9.48	163	81454	2.851	ng	# 99
50) 2,6-Dinitrotoluene	9.77	165	52973	9.730	ng	# 25
56) 2,4-Dinitrotoluene	9.77	165	52973	7.608	ng	# 23
70) Phenanthrene	11.27	178	147498	4.304	ng	98
74) Fluoranthene	12.45	202	149500	4.406	ng	96
77) Pyrene	12.67	202	135477	3.710	ng	98
87) Benzo(b)fluoranthene	14.87	252	91209	2.958	ng	# 95
88) Benzo(k)fluoranthene	14.87	252	91209	3.212	ng	98

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

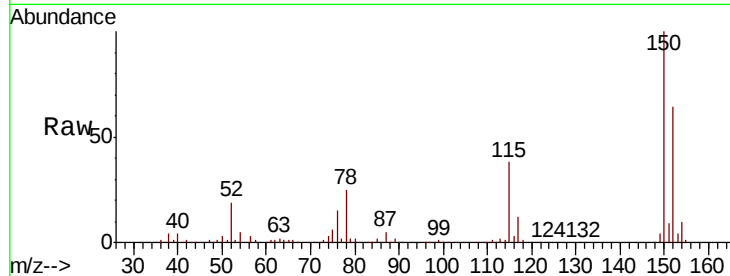


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108862.D
Acq: 7 Sep 2018 15:59

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	59.5	50.1	75.1

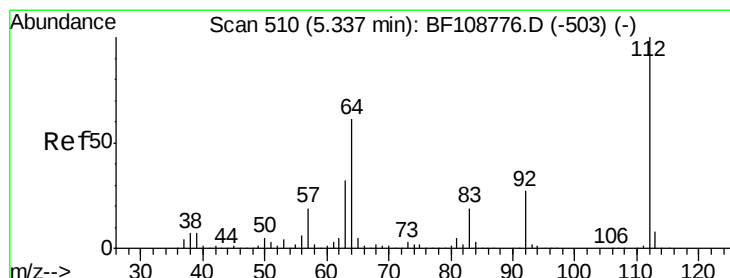
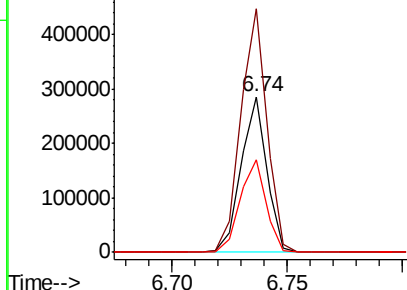
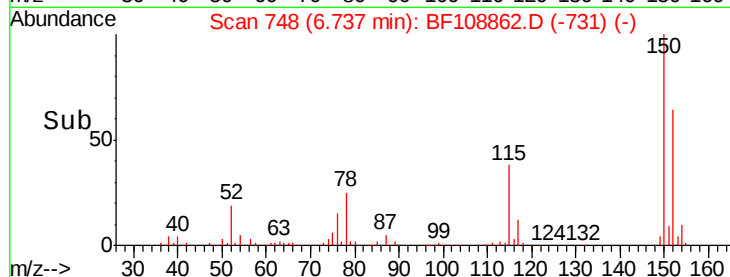


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

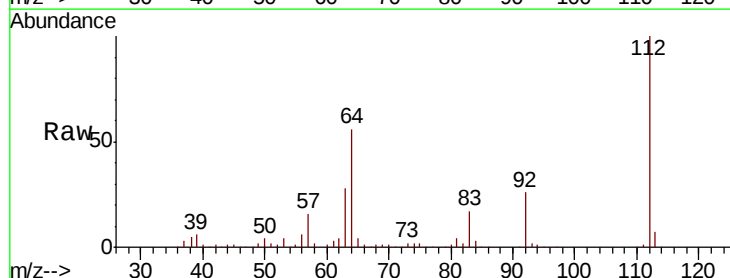
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 18.756 ng
RT: 5.34 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF108862.D
Acq: 7 Sep 2018 15:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.9	71.9
63	28.1	23.7	35.5

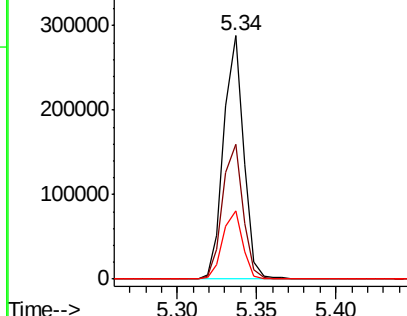
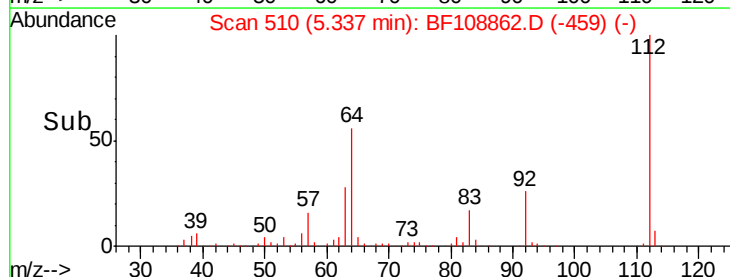


Abundance

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: 18.930 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF108862.D

Acq: 7 Sep 2018 15:59

Instrument :

BNA_G

ClientSampled :

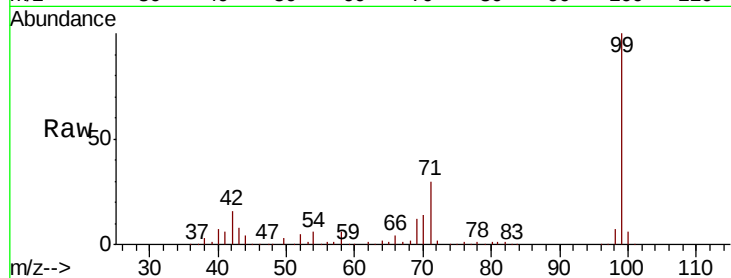
Tot Ion: 99 Resp: 326798

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

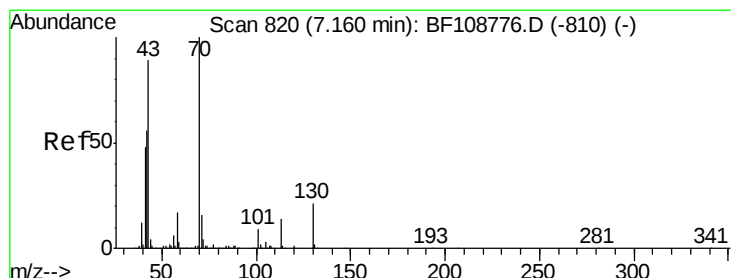
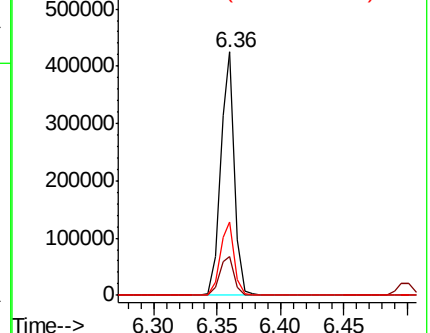
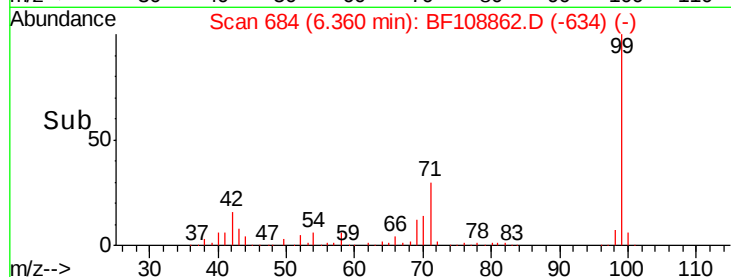
71 30.0 25.4 38.0



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: 2.032 ng

RT: 7.29 min Scan# 842

Delta R.T. 0.13 min

Lab File: BF108862.D

Acq: 7 Sep 2018 15:59

Tgt Ion: 70 Resp: 24388

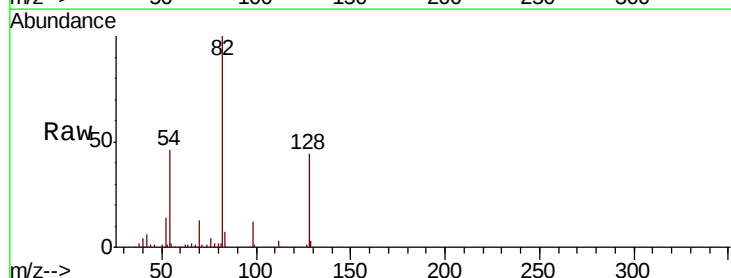
Ion Ratio Lower Upper

70 100

42 47.4 47.5 71.3#

101 0.0 7.4 11.2#

130 1.7 16.6 25.0#

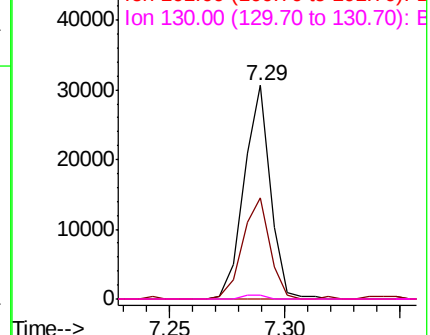
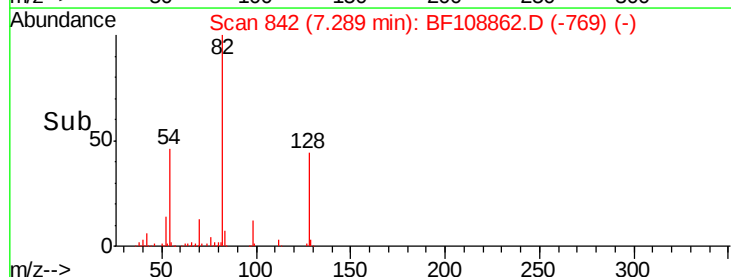


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

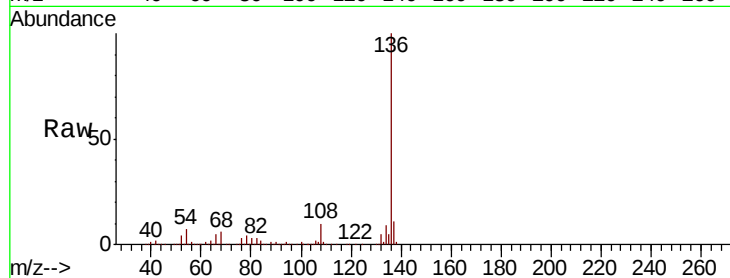




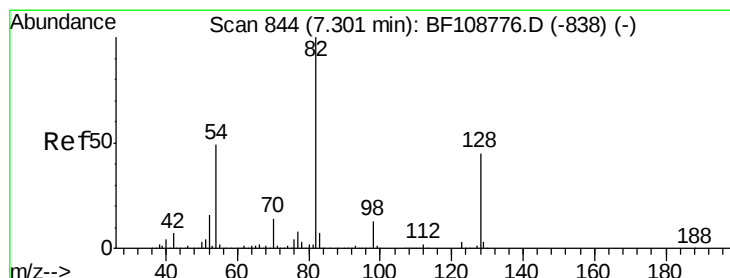
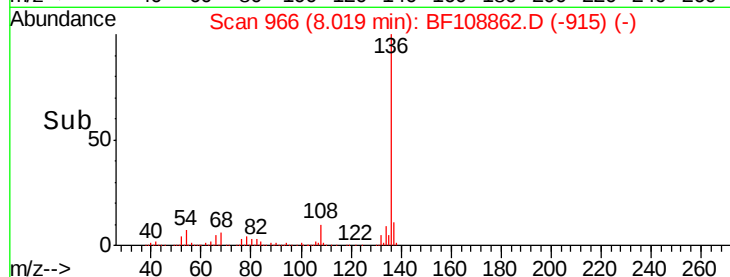
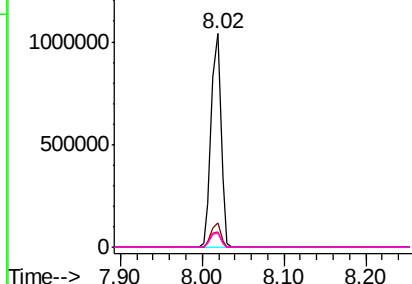
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF108862.D
Acq: 7 Sep 2018 15:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	879111
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.9 13.3
54	7.4	6.6 9.8
68	6.5	5.0 7.4

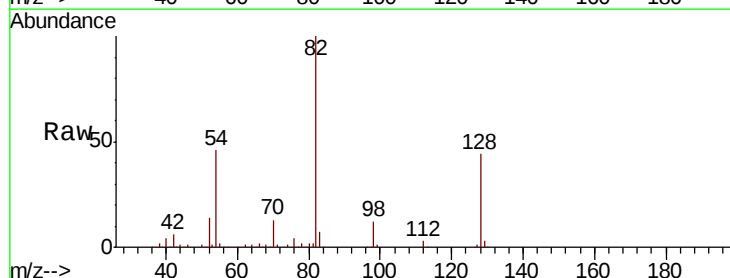


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

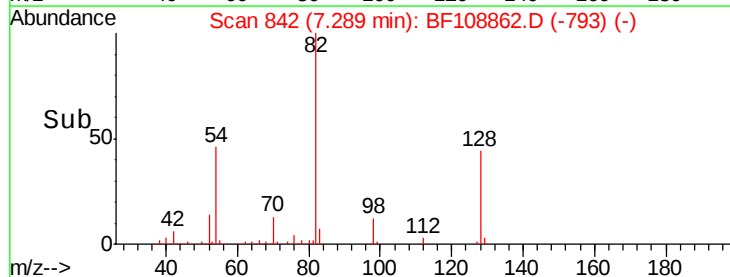
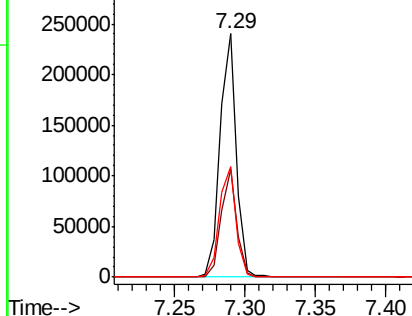


#23
Nitrobenzene-d5
Concen: 13.694 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF108862.D
Acq: 7 Sep 2018 15:59

Tgt Ion: 82	Resp:	192361
Ion	Ratio	Lower Upper
82	100	
128	44.3	36.1 54.1
54	45.5	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: 6.835 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.27 min

Lab File: BF108862.D

Acq: 7 Sep 2018 15:59

Instrument :

BNA_G

ClientSampleId :

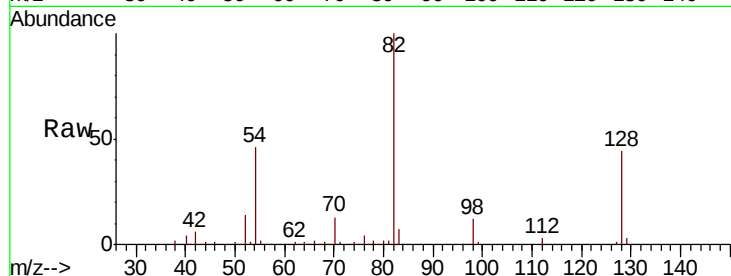
Tot Ion: 82 Resp: 191523

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

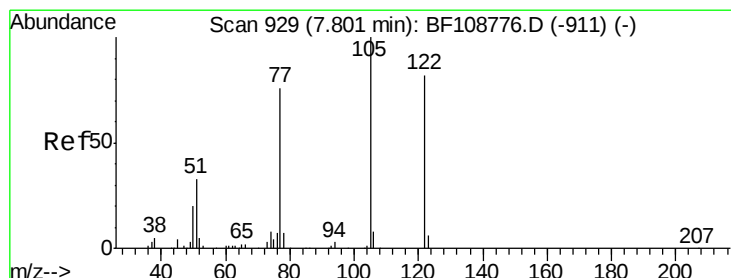
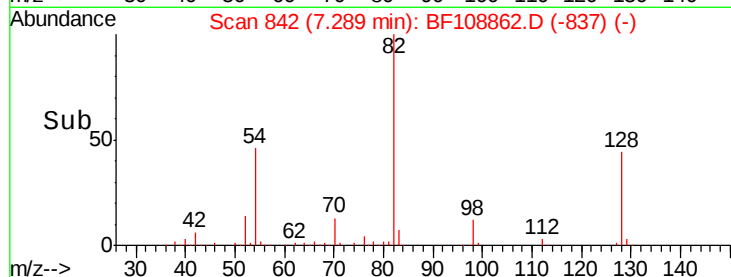
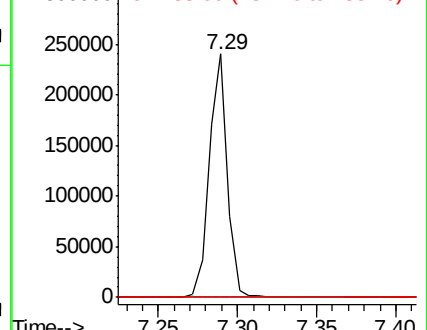
138 0.0 14.9 22.3#



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: 4.056 ng

RT: 8.02 min Scan# 966

Delta R.T. 0.22 min

Lab File: BF108862.D

Acq: 7 Sep 2018 15:59

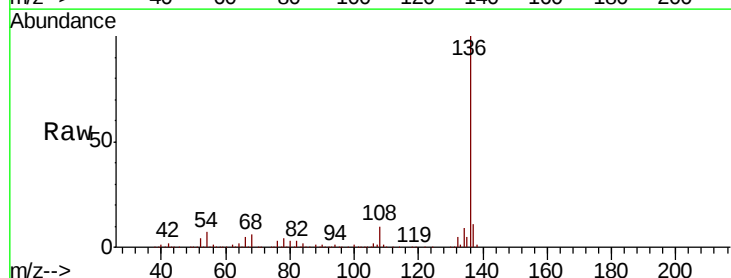
Tgt Ion:122 Resp: 296

Ion Ratio Lower Upper

122 100

105 186.7 101.1 141.1#

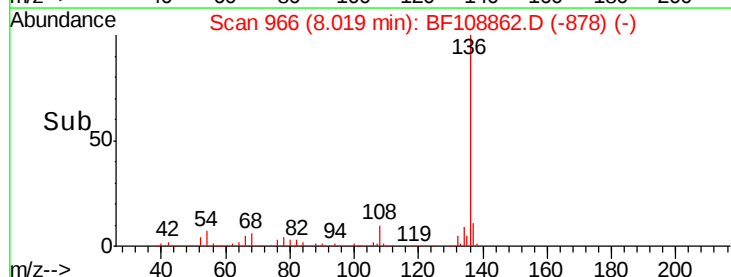
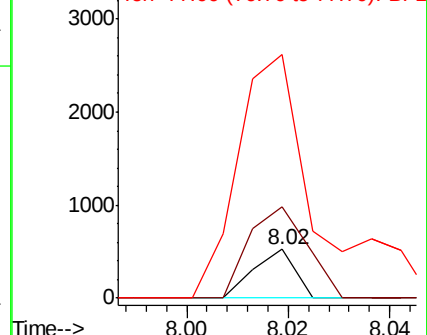
77 498.7 70.7 110.7#

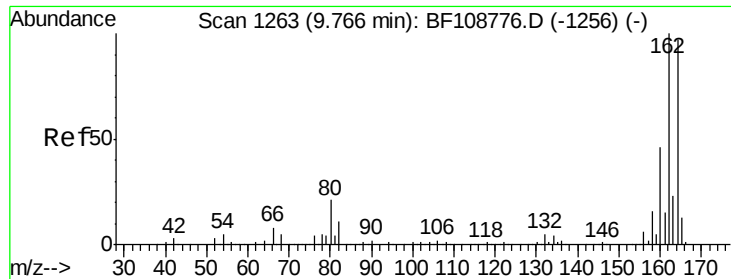


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

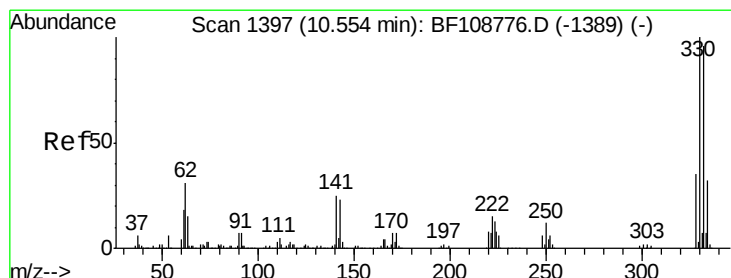
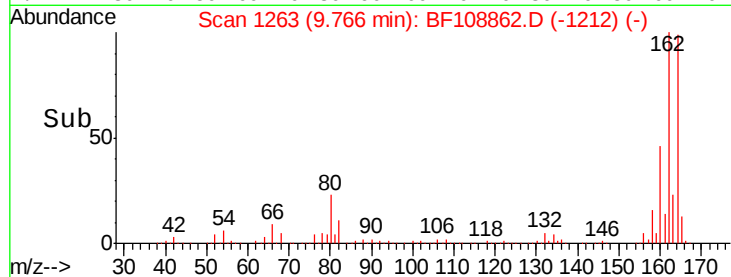
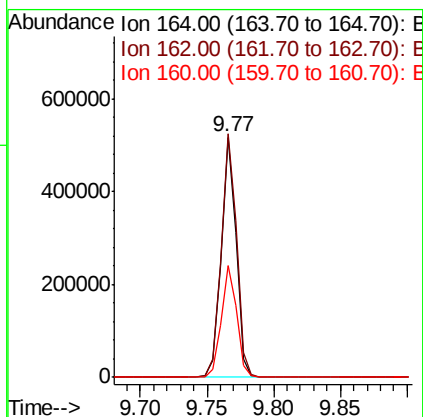
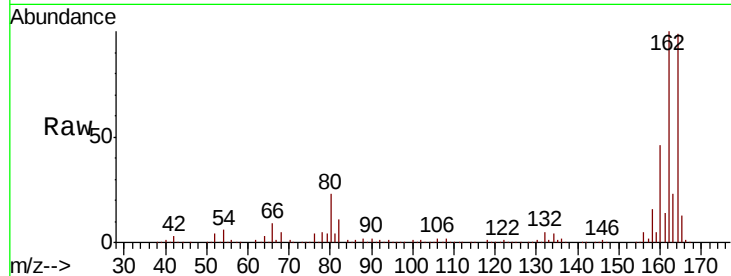




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BF108862.D
 Acq: 7 Sep 2018 15:59

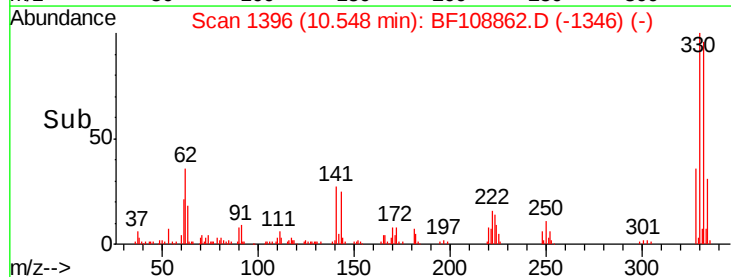
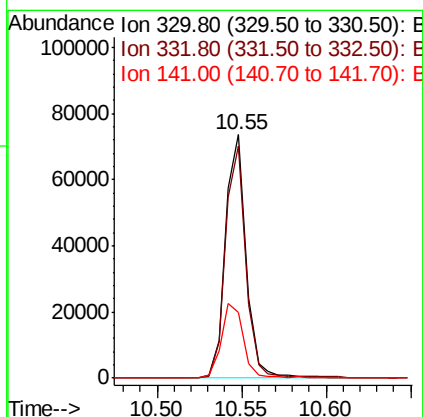
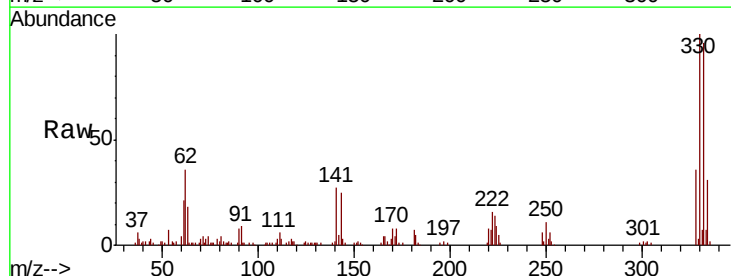
Instrument :
 BNA_G
 ClientSampleId :

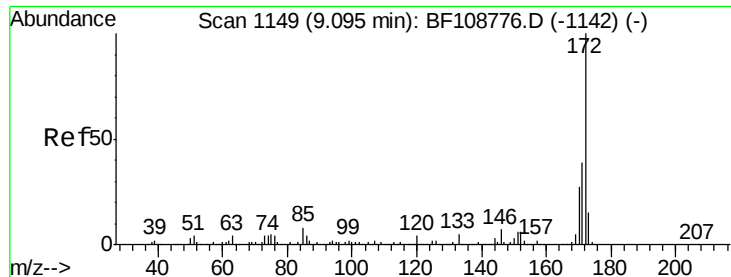
Tot Ion:164 Resp: 408493
 Ion Ratio Lower Upper
 164 100
 162 101.4 86.1 129.1
 160 46.8 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 15.988 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108862.D
 Acq: 7 Sep 2018 15:59

Tgt Ion:330 Resp: 62347
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.0 115.6
 141 32.9 29.9 44.9

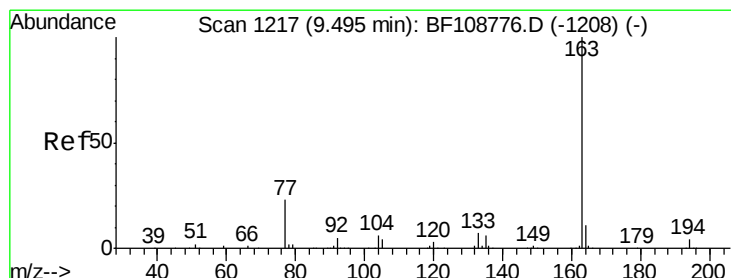
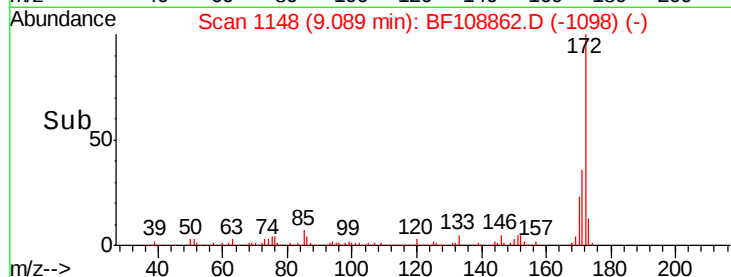
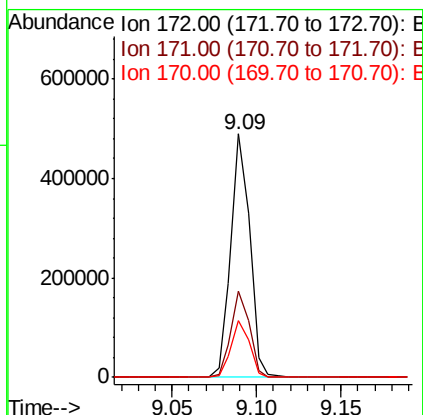
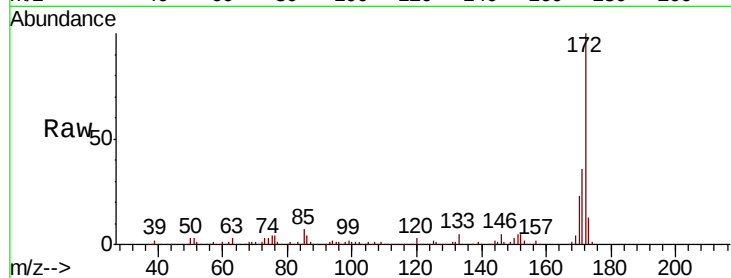




#44
2-Fluorobiphenyl
Concen: 15.978 ng
RT: 9.09 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF108862.D
Acq: 7 Sep 2018 15:59

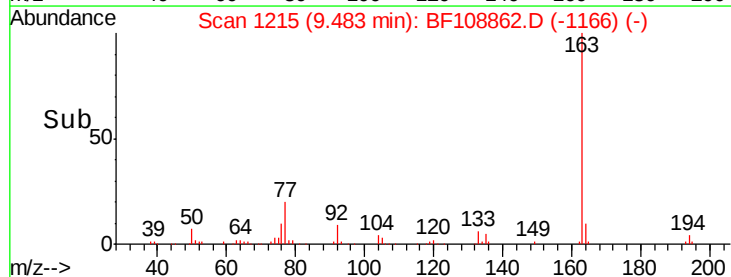
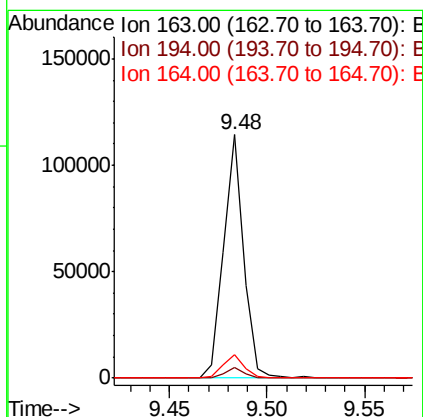
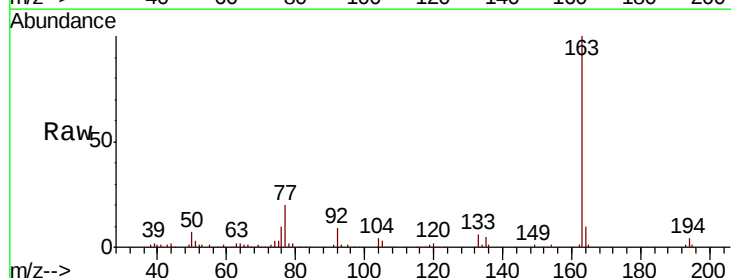
Instrument :
BNA_G
ClientSampleId :

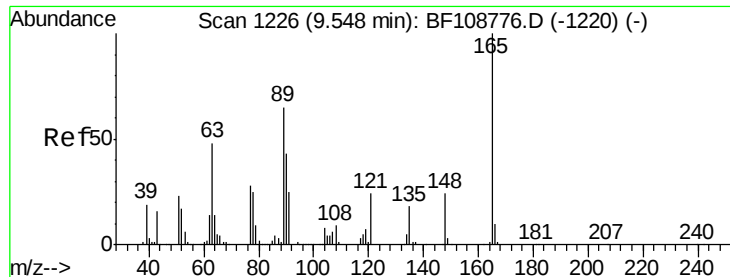
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.3	19.6	29.4



#49
Dimethylphthalate
Concen: 2.851 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108862.D
Acq: 7 Sep 2018 15:59

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.7	4.1#
164	9.9	8.2	12.2

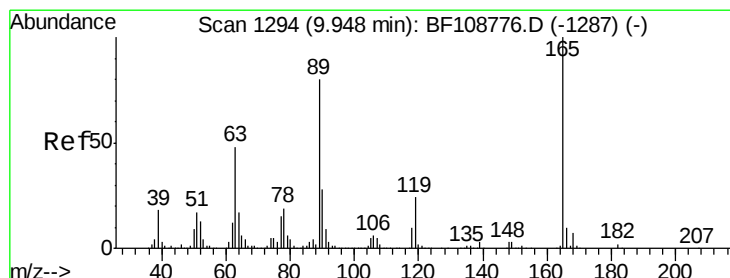
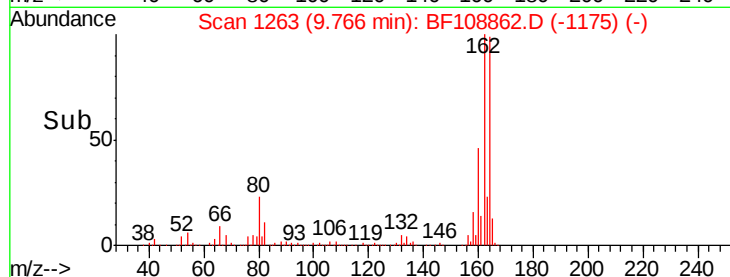
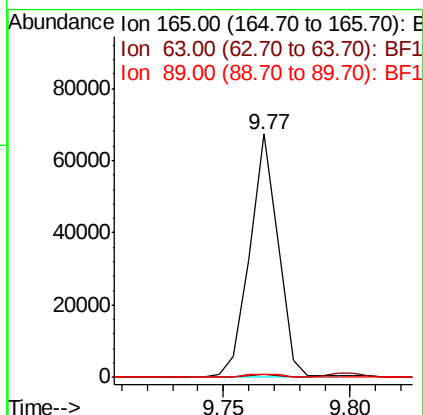
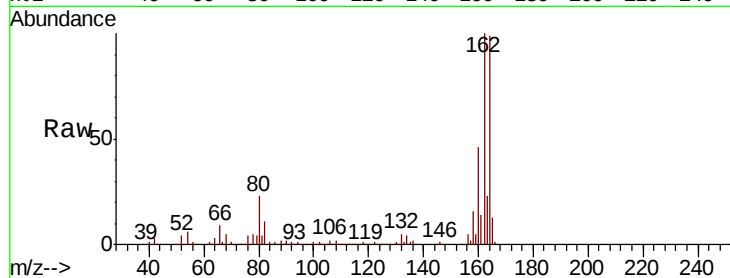




#50
 2,6-Dinitrotoluene
 Concen: 9.730 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. 0.22 min
 Lab File: BF108862.D
 Acq: 7 Sep 2018 15:59

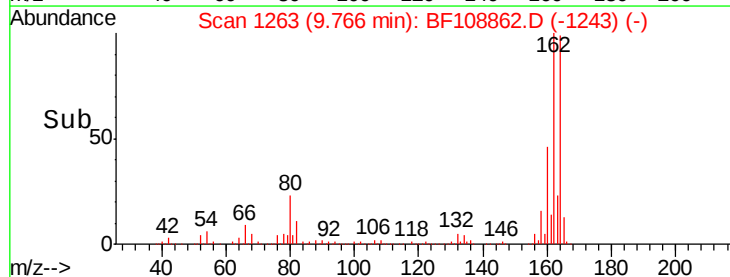
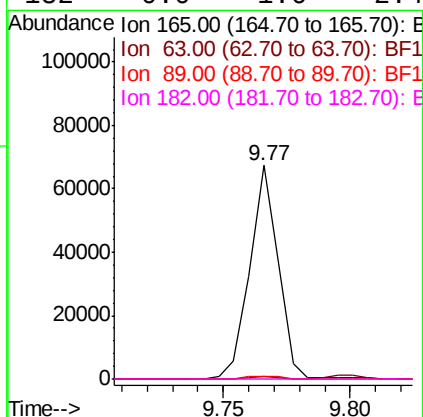
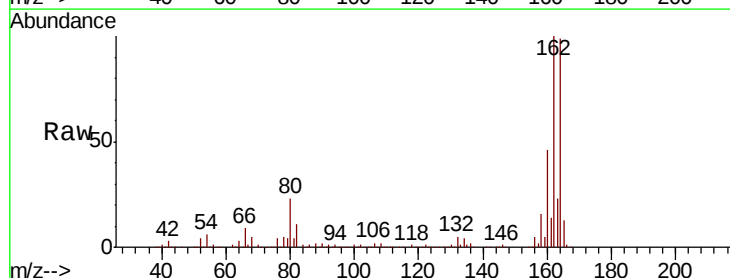
Instrument :
 BNA_G
 ClientSampleId :

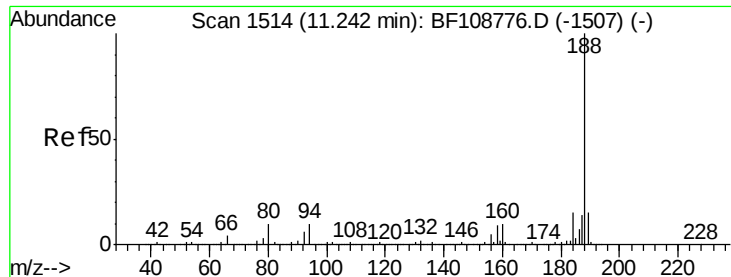
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.3	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.608 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.18 min
 Lab File: BF108862.D
 Acq: 7 Sep 2018 15:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

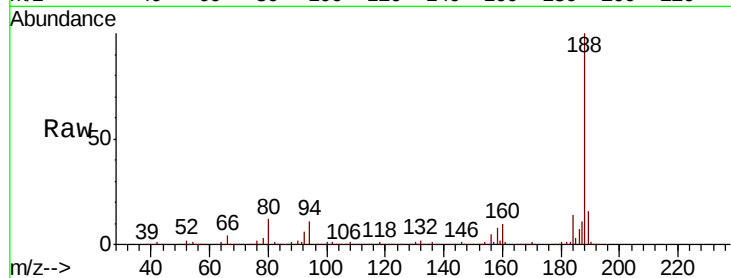




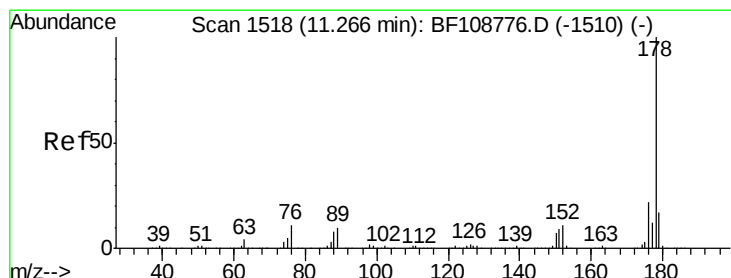
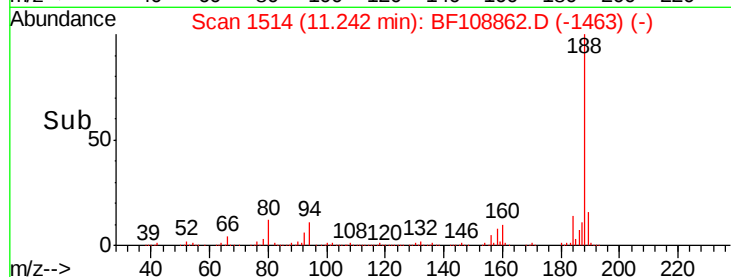
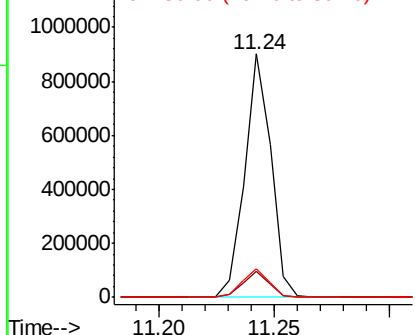
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108862.D
Acq: 7 Sep 2018 15:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 717568
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 11.9 9.2 13.8

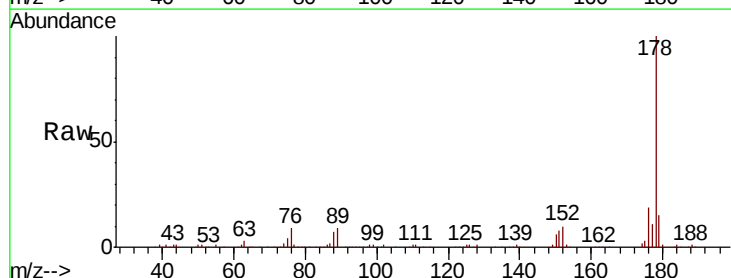


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

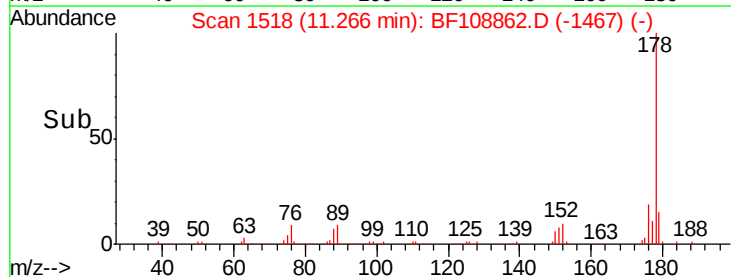
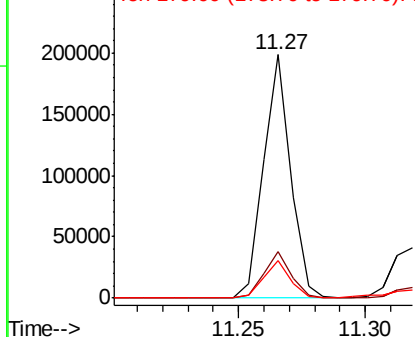


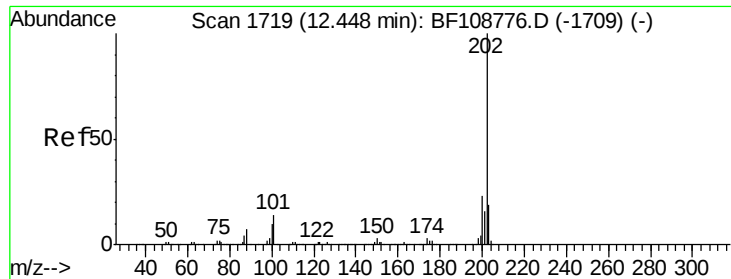
#70
Phenanthrene
Concen: 4.304 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108862.D
Acq: 7 Sep 2018 15:59

Tgt Ion:178 Resp: 147498
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.2 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: 4.406 ng

RT: 12.45 min Scan# 1719

Delta R.T. -0.00 min

Lab File: BF108862.D

Acq: 7 Sep 2018 15:59

Instrument :

BNA_G

ClientSampled :

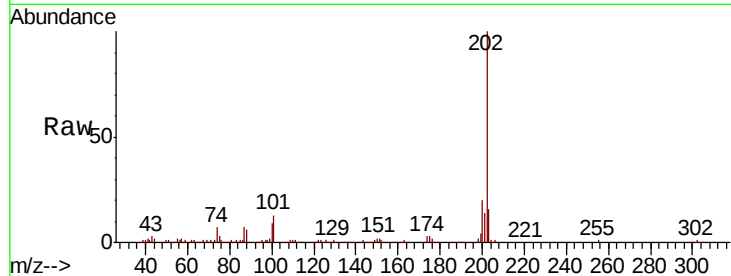
Tot Ion:202 Resp: 149500

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.1

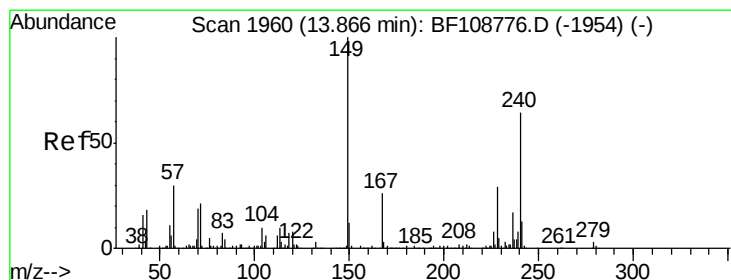
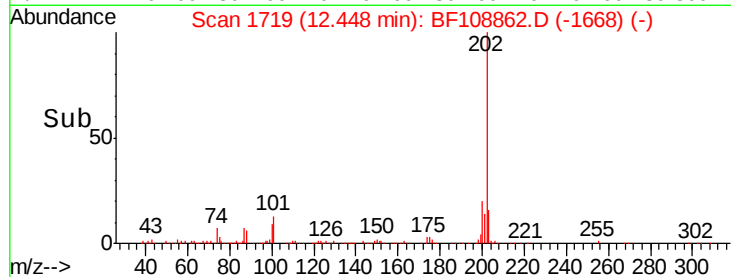
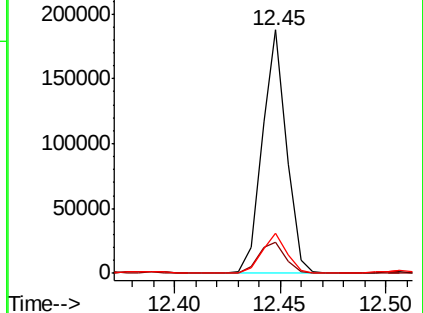
203 16.2 0.0 38.1



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# 1960

Delta R.T. -0.00 min

Lab File: BF108862.D

Acq: 7 Sep 2018 15:59

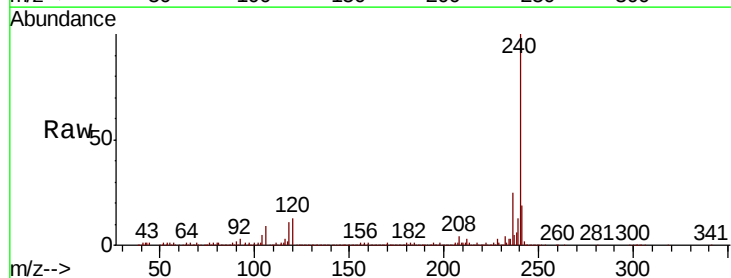
Tgt Ion:240 Resp: 474619

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

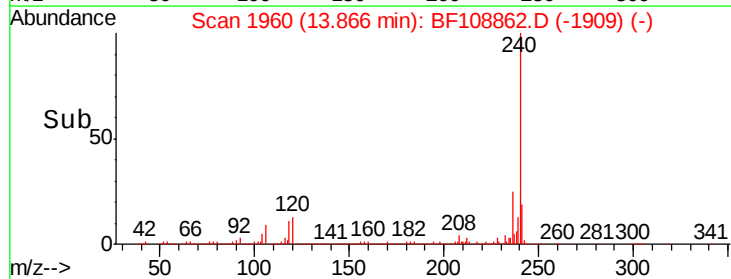
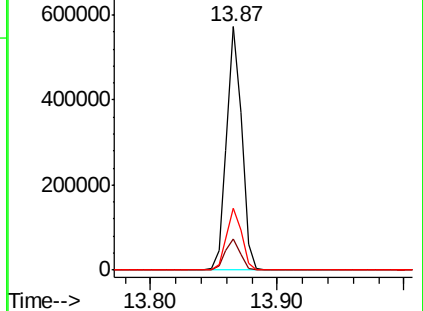
236 25.4 20.7 31.1

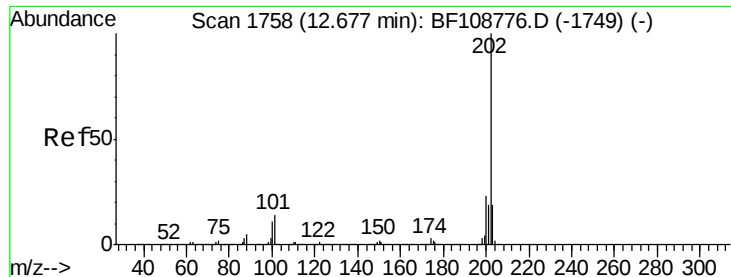


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.710 ng

RT: 12.67 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF108862.D

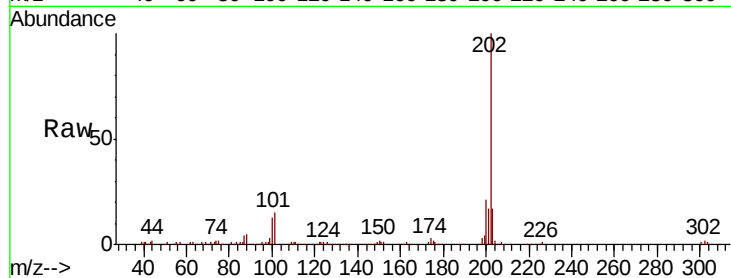
Acq: 7 Sep 2018 15:59

Instrument :

BNA_G

ClientSampleId :

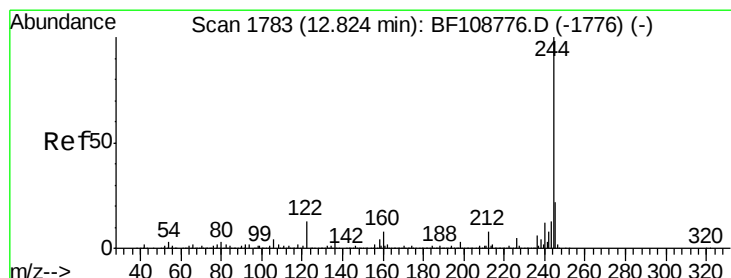
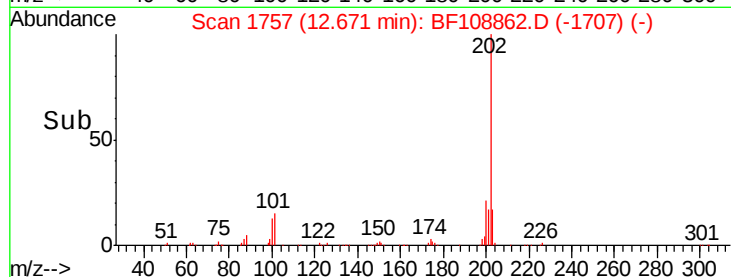
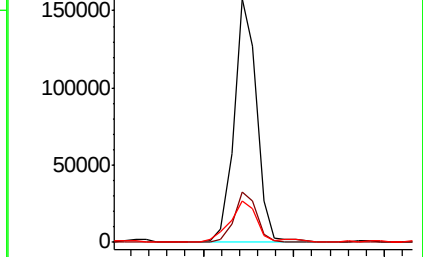
Tot Ion:	202	Resp:	135477
Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	16.9	14.3	21.5



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: 13.791 ng

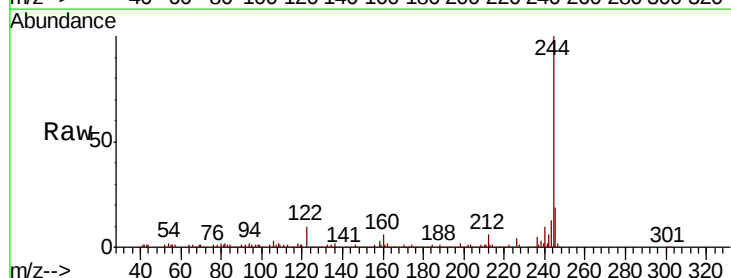
RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF108862.D

Acq: 7 Sep 2018 15:59

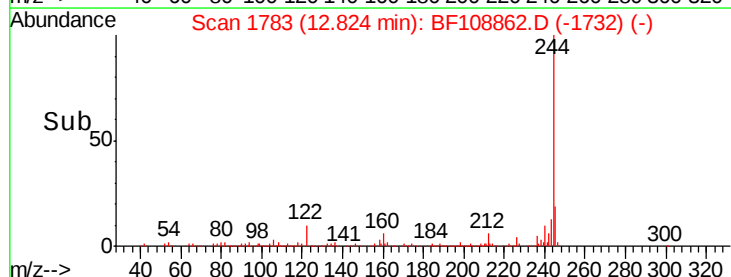
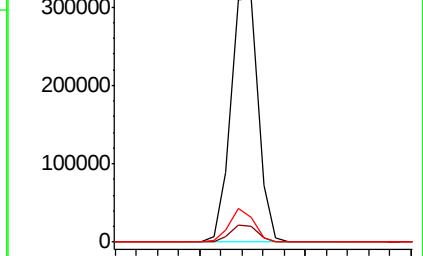
Tgt Ion:	244	Resp:	280683
Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.0
122	10.2	11.0	16.4#

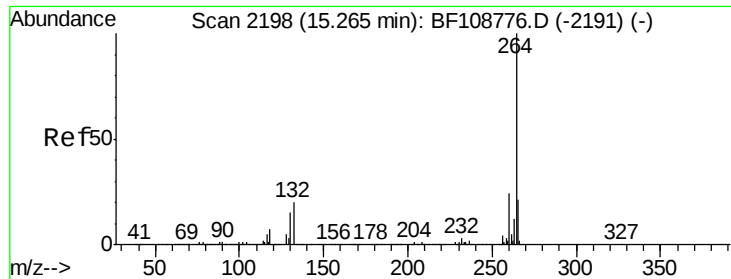


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

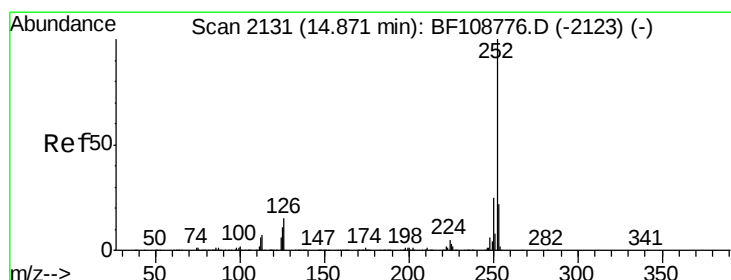
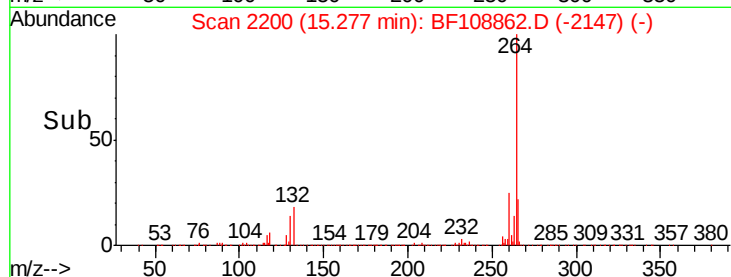
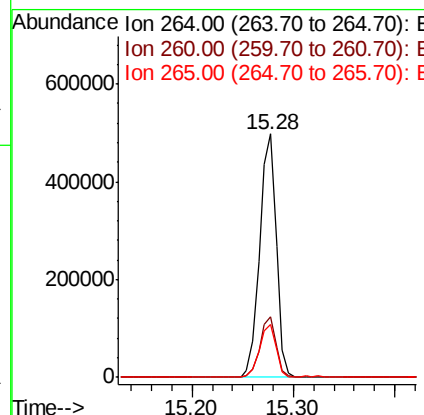
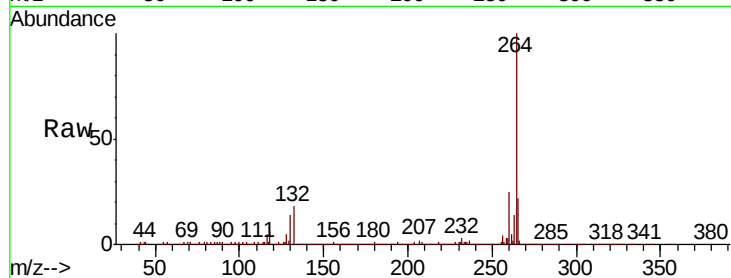




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF108862.D
Acq: 7 Sep 2018 15:59

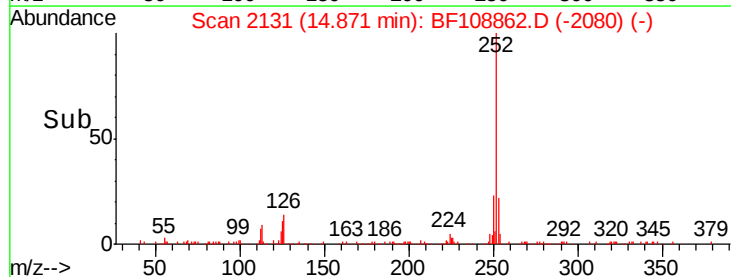
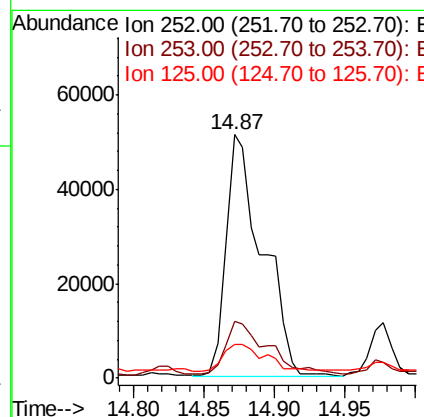
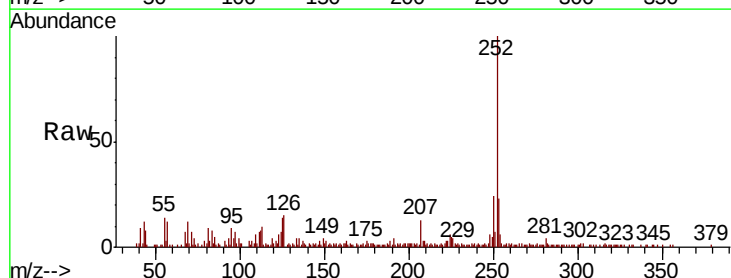
Instrument :
BNA_G
ClientSampleId :

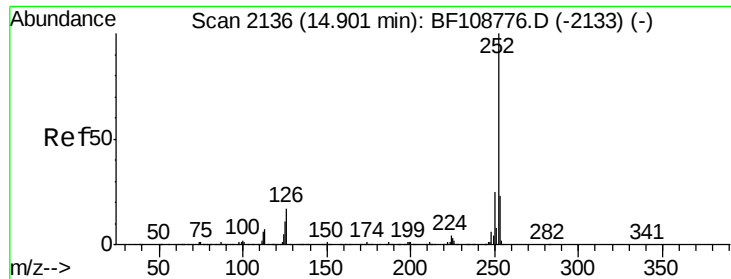
Tot Ion:264 Resp: 567133
Ion Ratio Lower Upper
264 100
260 25.0 19.2 28.8
265 21.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.958 ng
RT: 14.87 min Scan# 2131
Delta R.T. -0.00 min
Lab File: BF108862.D
Acq: 7 Sep 2018 15:59

Tgt Ion:252 Resp: 91209
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 13.9 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 3.212 ng

RT: 14.87 min Scan# 2131

Delta R.T. -0.03 min

Lab File: BF108862.D

Acq: 7 Sep 2018 15:59

Instrument :

BNA_G

ClientSampleId :

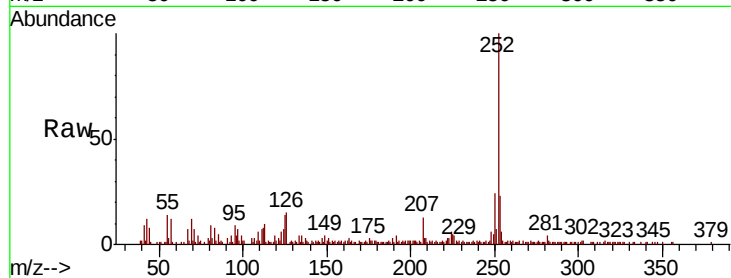
Tot Ion: 252 Resp: 91209

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

125 13.9 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

