

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109233.D
 Acq On : 22 Sep 2018 20:35
 Operator : JU/SJ
 Sample : J4777-23 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 06:50:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

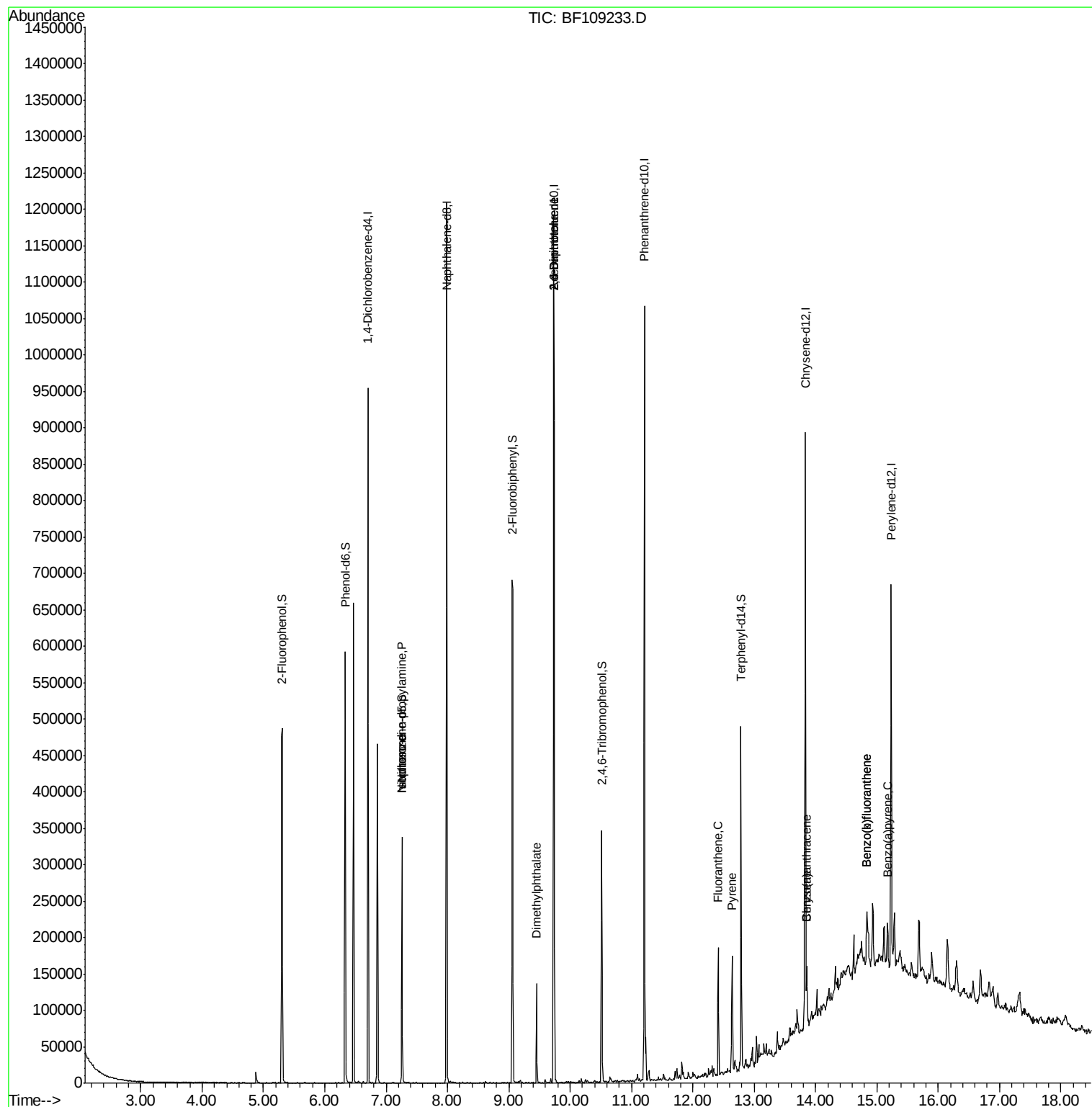
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	124373	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	475530	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	215529	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	364013	20.00	ng	0.00
75) Chrysene-d12	13.83	240	251521	20.00	ng	-0.01
86) Perylene-d12	15.23	264	238578	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	138500	18.34	ng	-0.01
7) Phenol-d6	6.33	99	179302	18.61	ng	-0.02
23) Nitrobenzene-d5	7.26	82	105069	13.04	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	36324	17.10	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	215498	15.08	ng	-0.01
78) Terphenyl-d14	12.79	244	156210	15.24	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	13622	2.158	ng	# 85
25) Isophorone	7.26	82	91640	6.317	ng	# 64
49) Dimethylphthalate	9.46	163	54043	3.447	ng	98
50) 2,6-Dinitrotoluene	9.73	165	27168	8.751	ng	# 26
56) 2,4-Dinitrotoluene	9.73	165	27168	6.916	ng	# 23
74) Fluoranthene	12.42	202	61260	3.154	ng	95
77) Pyrene	12.64	202	61117	3.390	ng	98
80) Benzo(a)anthracene	13.86	228	31130	2.055	ng	96
82) Chrysene	13.86	228	31130	2.073	ng	97
87) Benzo(b)fluoranthene	14.84	252	52714	4.021	ng	93
88) Benzo(k)fluoranthene	14.84	252	52714	4.237	ng	96
89) Benzo(a)pyrene	15.17	252	27699	2.345	ng	# 93

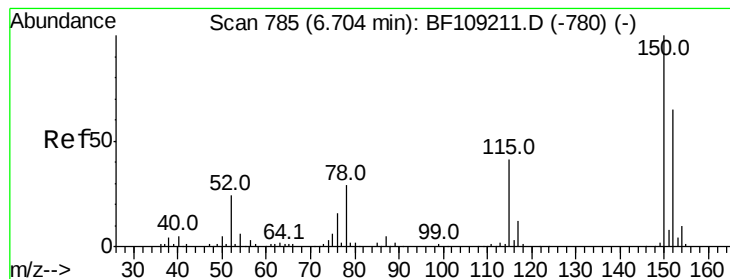
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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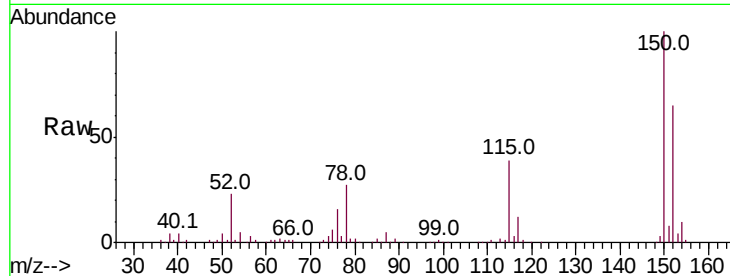


#1

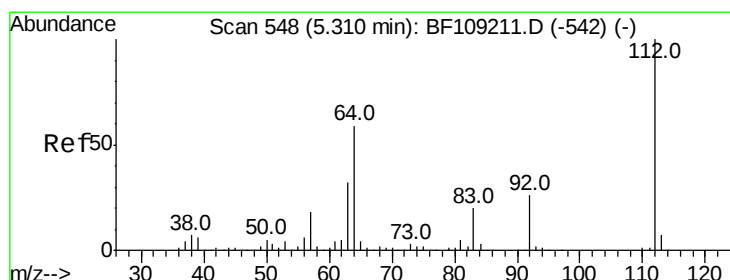
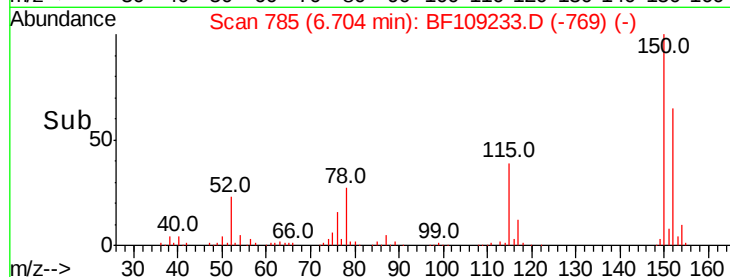
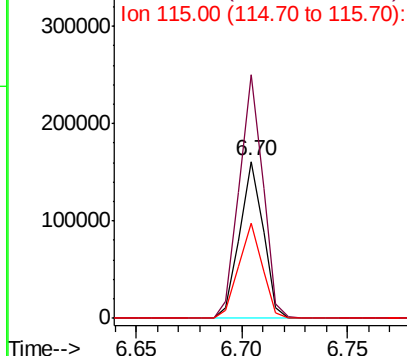
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109233.D
Acq: 22 Sep 2018 20:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 124373
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 60.9 50.1 75.1



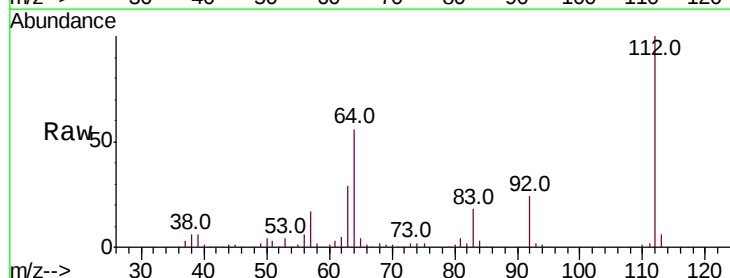
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



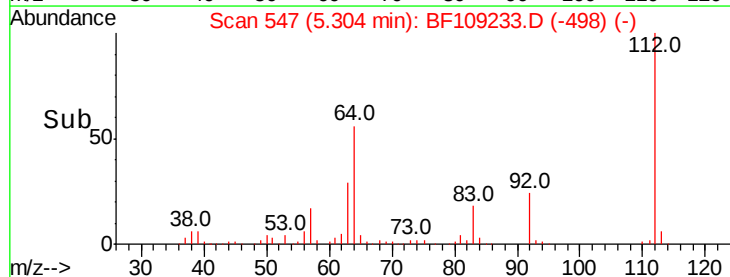
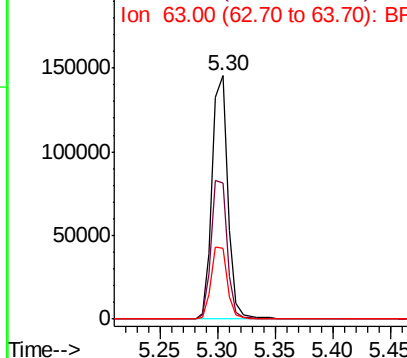
#5

2-Fluorophenol
Concen: 18.342 ng
RT: 5.30 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF109233.D
Acq: 22 Sep 2018 20:35

Tgt Ion:112 Resp: 138500
Ion Ratio Lower Upper
112 100
64 56.0 47.9 71.9
63 29.1 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: 18.608 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF109233.D

Acq: 22 Sep 2018 20:35

Instrument :

BNA_F

ClientSampled :

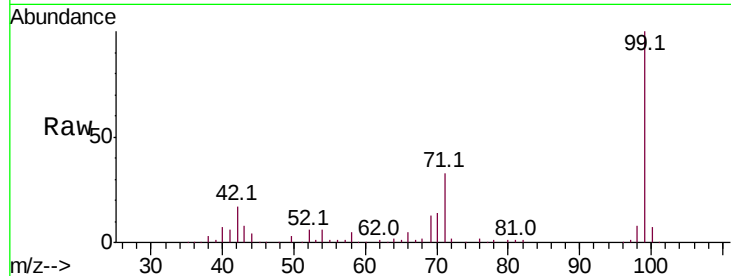
Tot Ion: 99 Resp: 179302

Ion Ratio Lower Upper

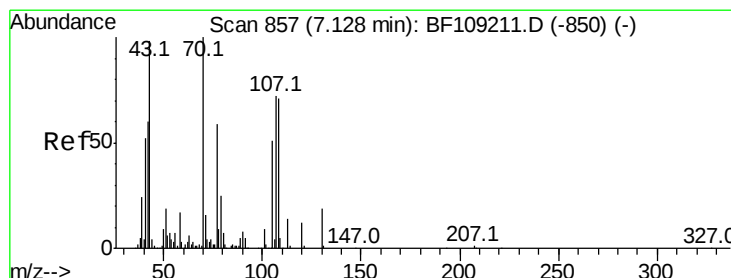
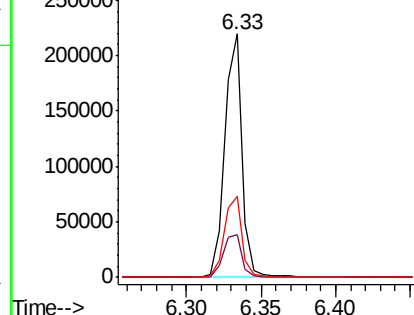
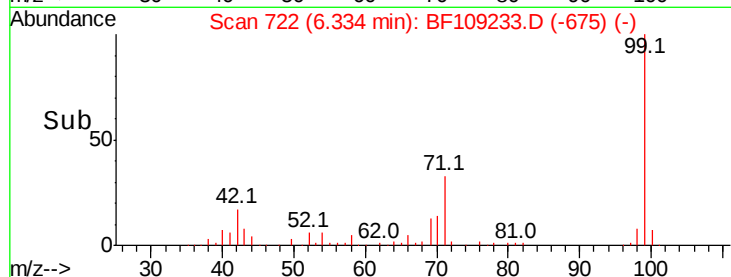
99 100

42 17.3 14.5 21.7

71 33.2 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: 2.158 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.11 min

Lab File: BF109233.D

Acq: 22 Sep 2018 20:35

Tgt Ion: 70 Resp: 13622

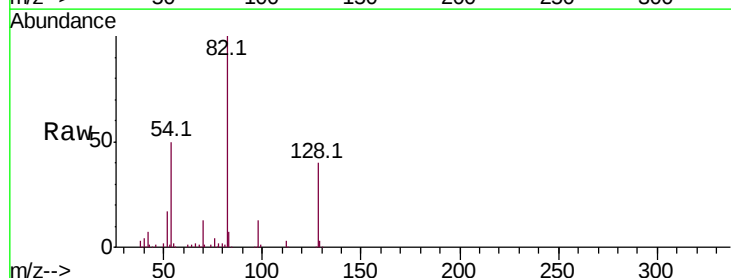
Ion Ratio Lower Upper

70 100

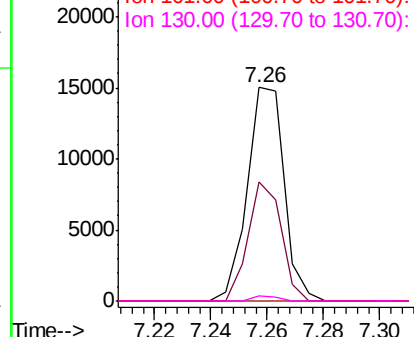
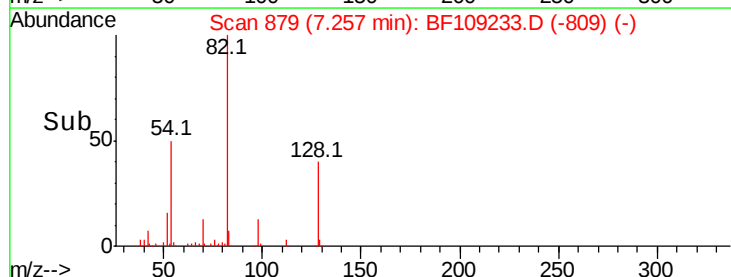
42 55.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 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

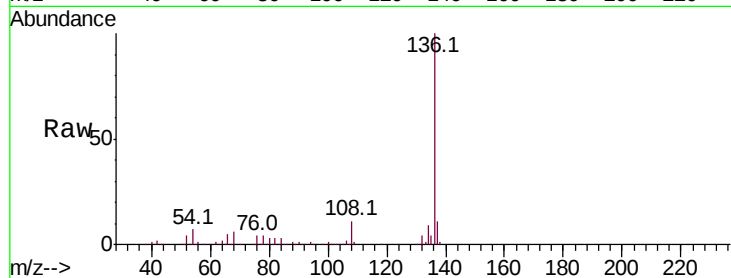




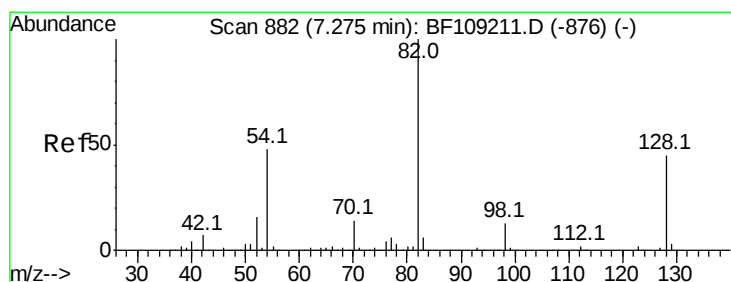
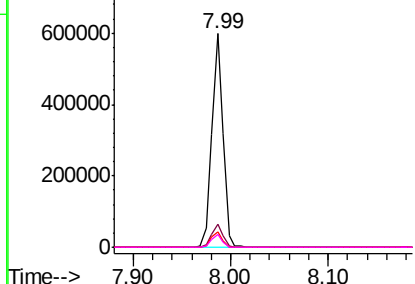
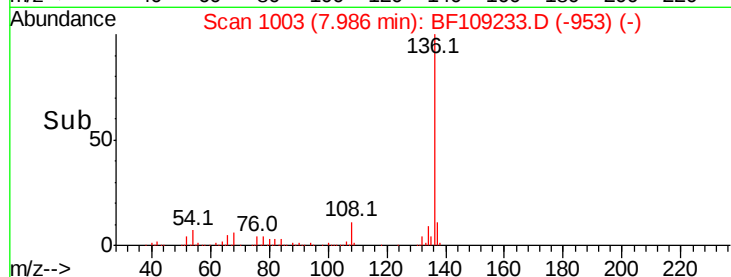
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109233.D
Acq: 22 Sep 2018 20:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	475530
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.9	13.3
54 7.5	6.6	9.8
68 5.8	5.0	7.4

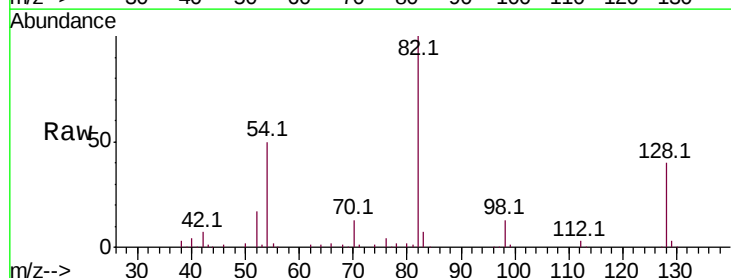


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

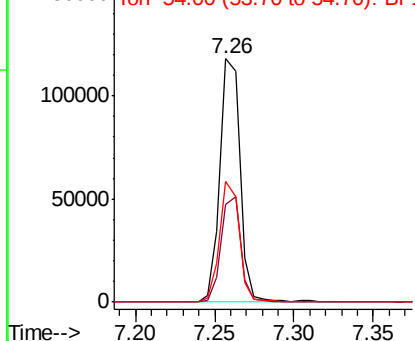
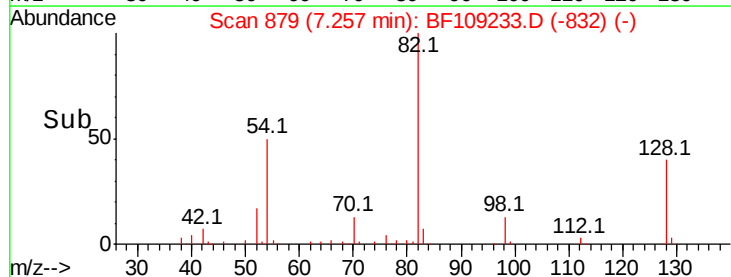


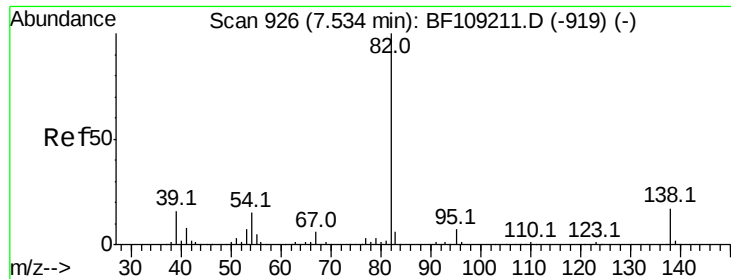
#23
Nitrobenzene-d5
Concen: 13.043 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.02 min
Lab File: BF109233.D
Acq: 22 Sep 2018 20:35

Tgt Ion: 82	Resp: 105069
Ion Ratio	Lower Upper
82 100	
128 40.1	36.1 54.1
54 49.8	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: 6.317 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.29 min

Lab File: BF109233.D

Acq: 22 Sep 2018 20:35

Instrument :

BNA_F

ClientSampleId :

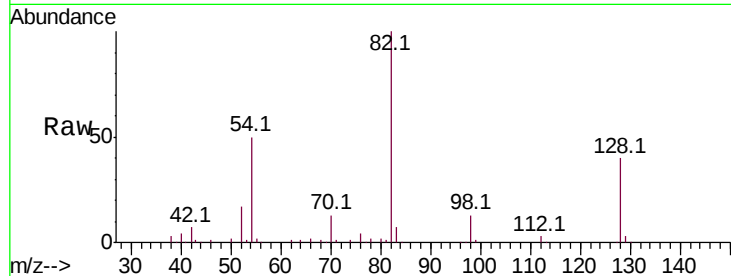
Tot Ion: 82 Resp: 91640

Ion Ratio Lower Upper

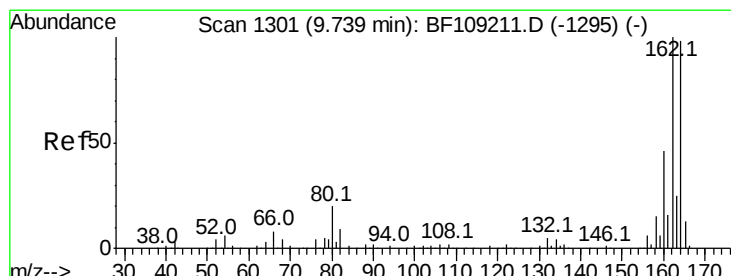
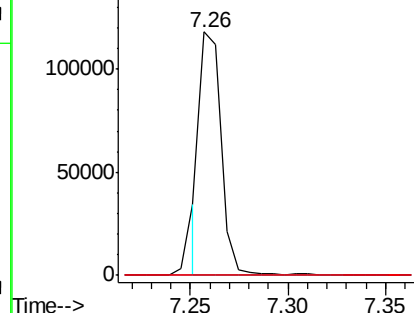
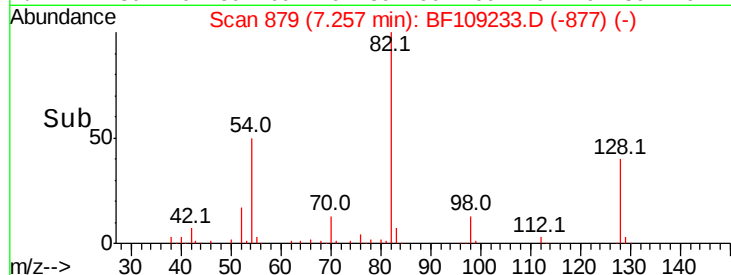
82 100

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109233.D

Acq: 22 Sep 2018 20:35

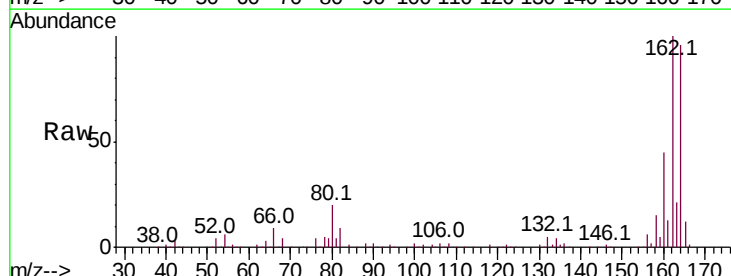
Tgt Ion:164 Resp: 215529

Ion Ratio Lower Upper

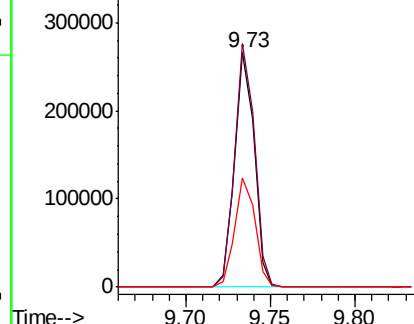
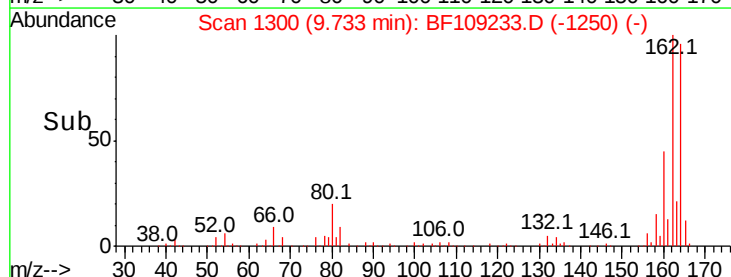
164 100

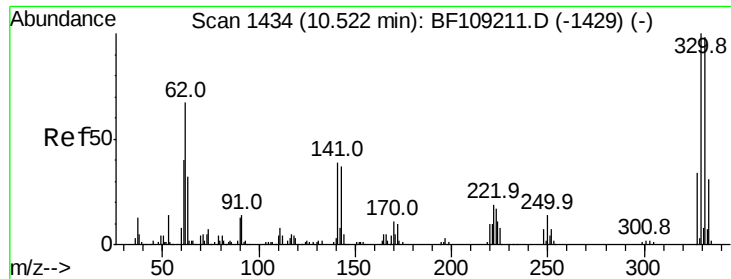
162 103.8 86.1 129.1

160 46.4 38.3 57.5



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

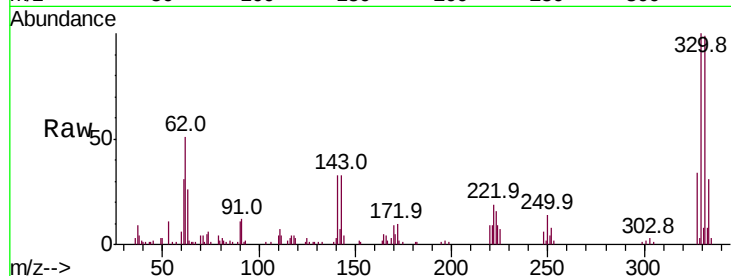




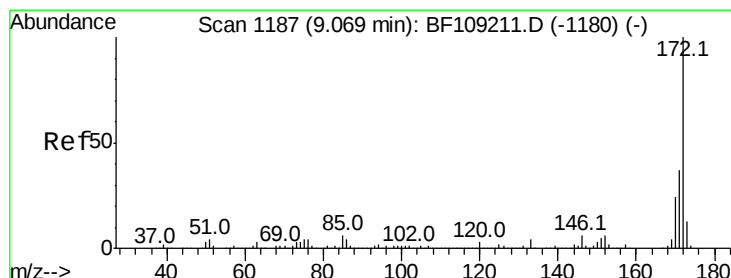
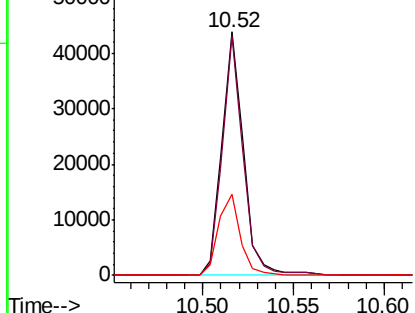
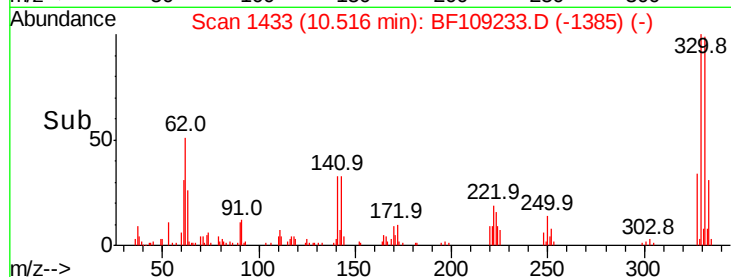
#41
 2,4,6-Tribromophenol
 Concen: 17.096 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109233.D
 Acq: 22 Sep 2018 20:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 36324
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 33.6 29.9 44.9

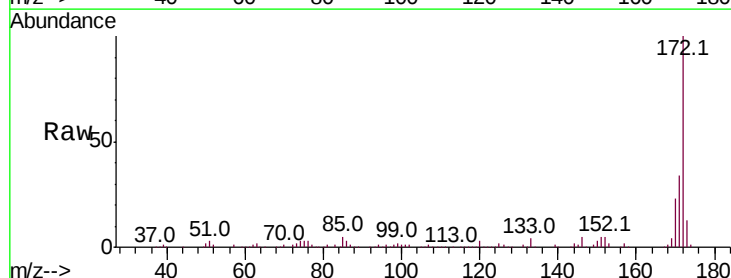


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

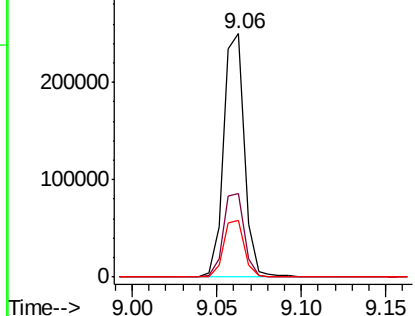
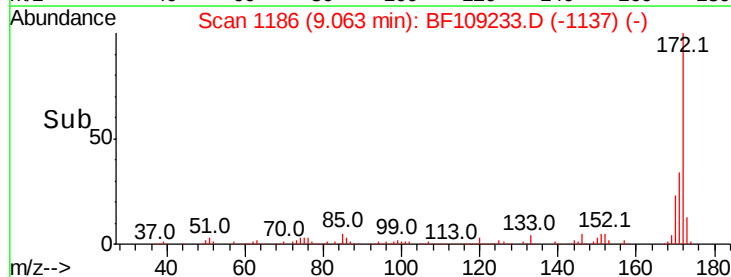


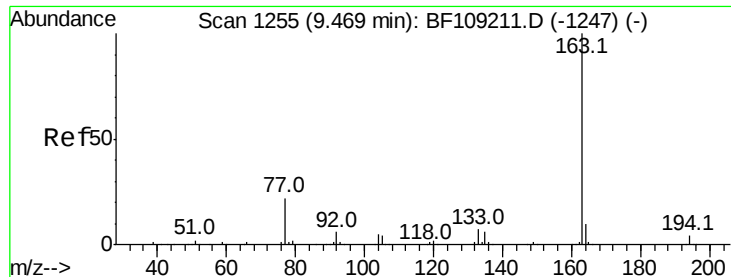
#44
 2-Fluorobiphenyl
 Concen: 15.080 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109233.D
 Acq: 22 Sep 2018 20:35

Tgt Ion:172 Resp: 215498
 Ion Ratio Lower Upper
 172 100
 171 34.2 29.7 44.5
 170 23.4 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

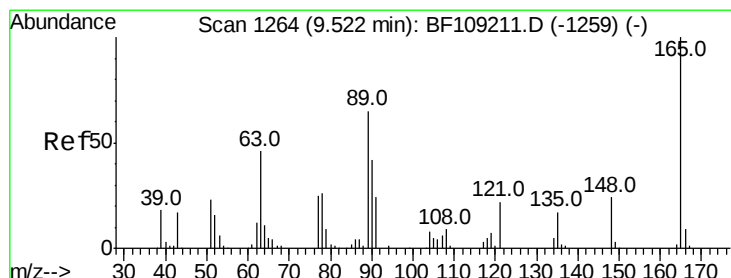
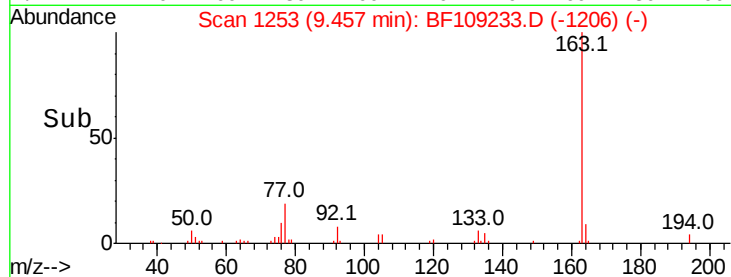
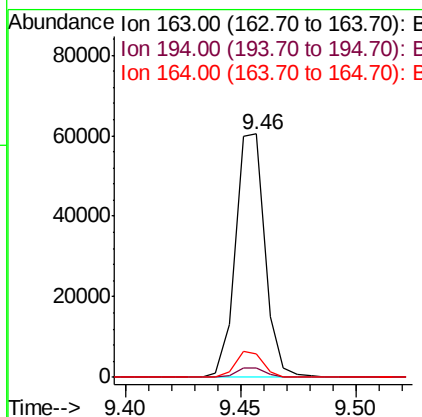
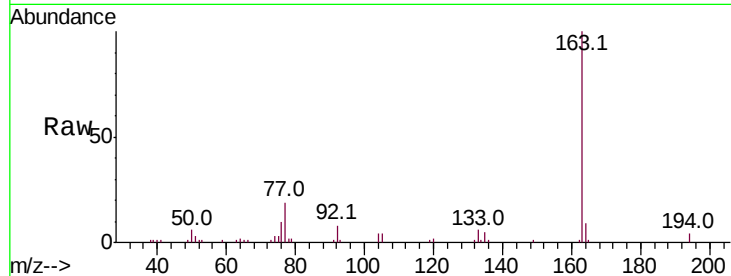




#49
 Dimethylphthalate
 Concen: 3.447 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF109233.D
 Acq: 22 Sep 2018 20:35

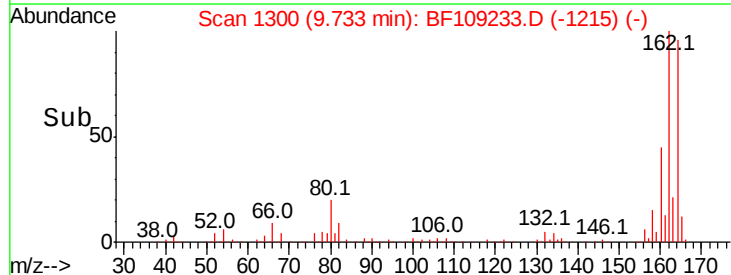
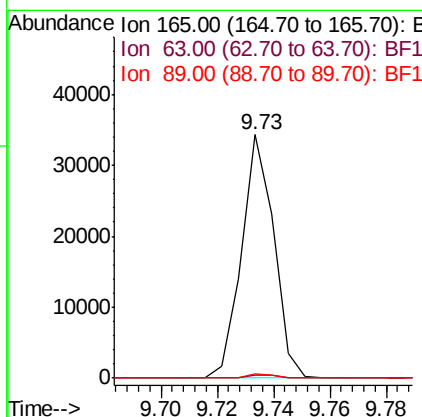
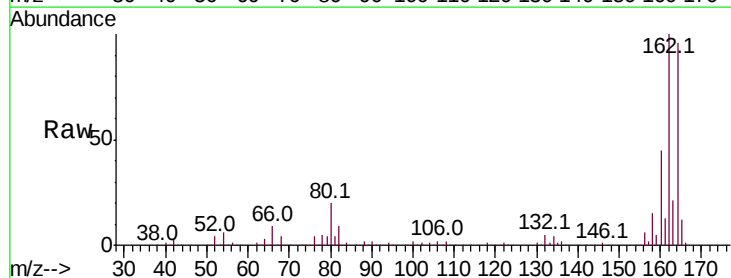
Instrument :
 BNA_F
 ClientSampleId :

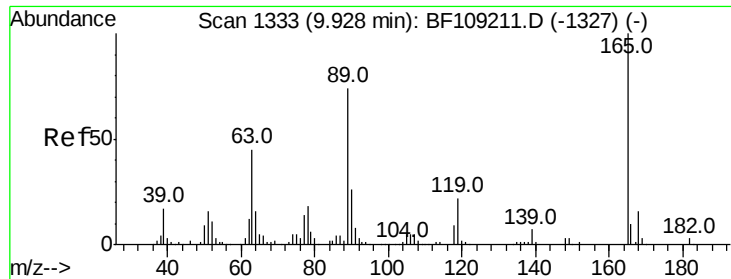
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	9.4	8.2	12.2



#50
 2,6-Dinitrotoluene
 Concen: 8.751 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.20 min
 Lab File: BF109233.D
 Acq: 22 Sep 2018 20:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.5	44.0	66.0#

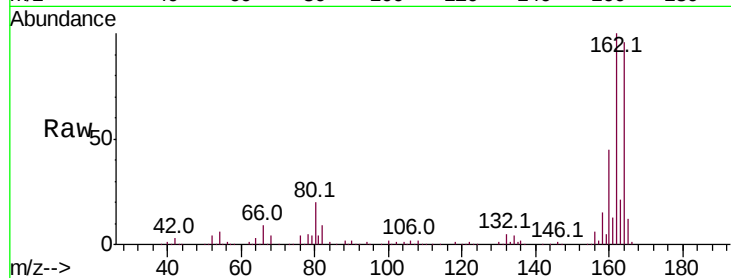




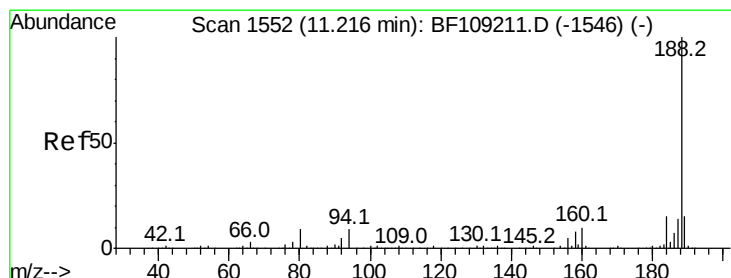
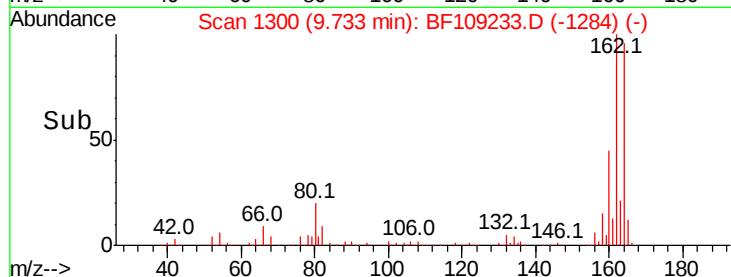
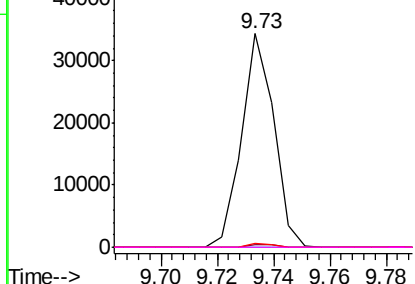
#56
 2,4-Dinitrotoluene
 Concen: 6.916 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF109233.D
 Acq: 22 Sep 2018 20:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	27168
Ion Ratio	Lower	Upper
165 100		
63 1.3	36.4	54.6#
89 1.5	57.8	86.6#
182 0.0	1.6	2.4#

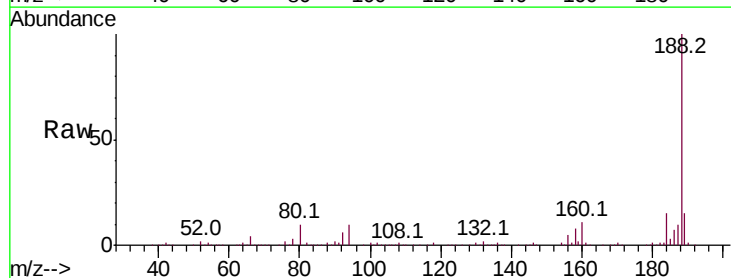


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

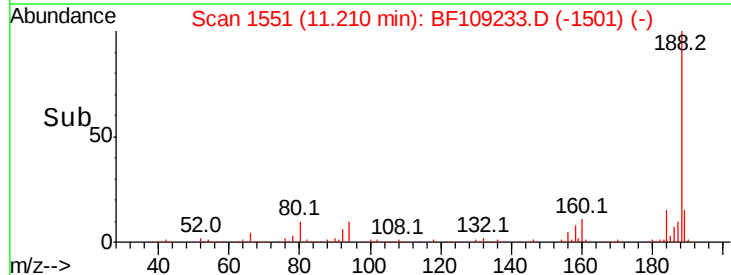
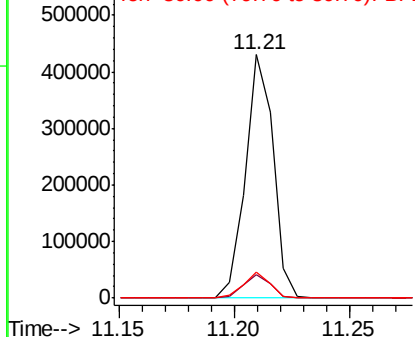


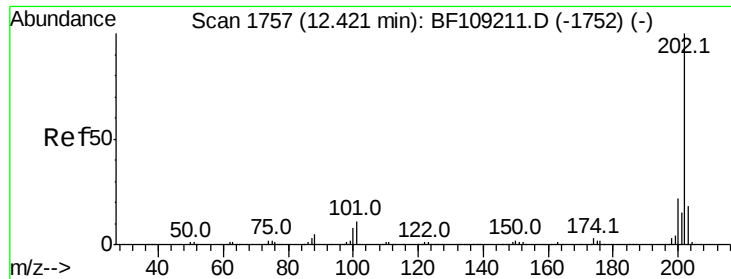
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109233.D
 Acq: 22 Sep 2018 20:35

Tgt	Ion:188	Resp:	364013
Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.4	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

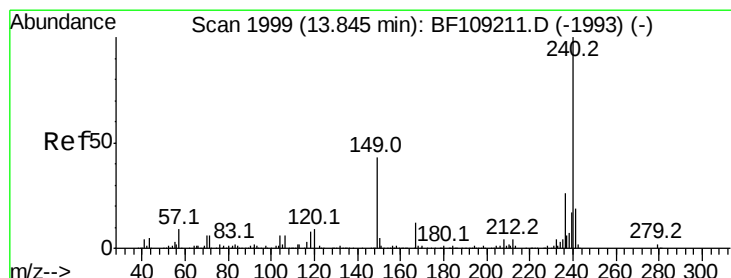
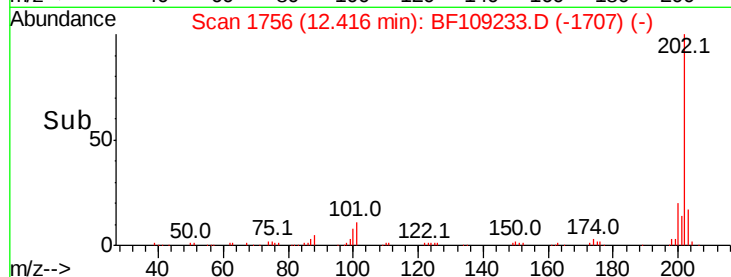
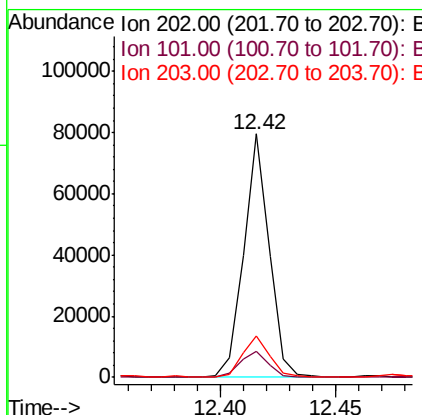
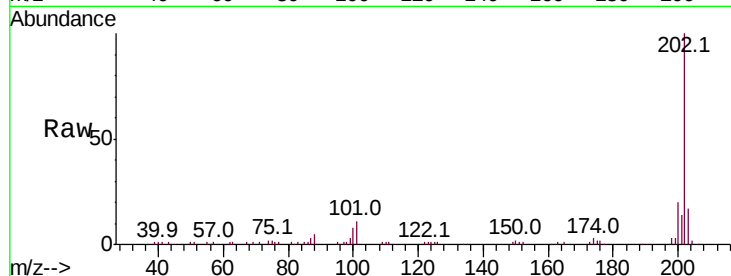




#74
 Fluoranthene
 Concen: 3.154 ng
 RT: 12.42 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BF109233.D
 Acq: 22 Sep 2018 20:35

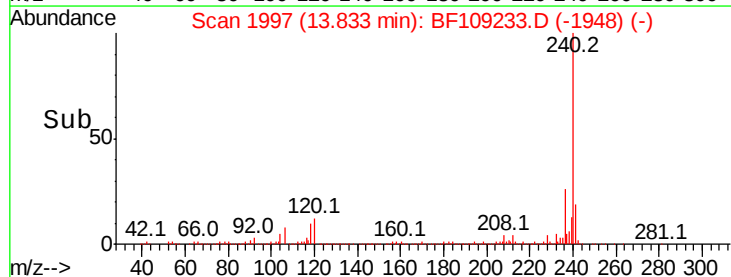
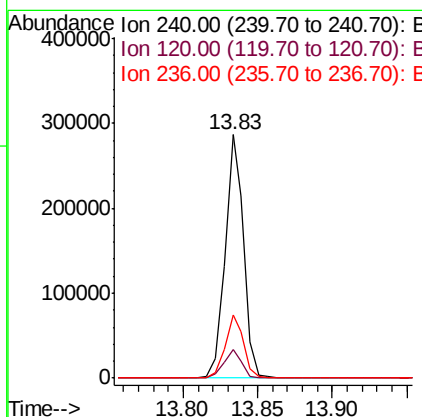
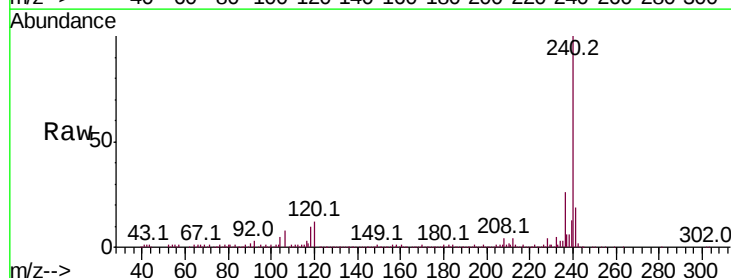
Instrument :
 BNA_F
 ClientSampled :

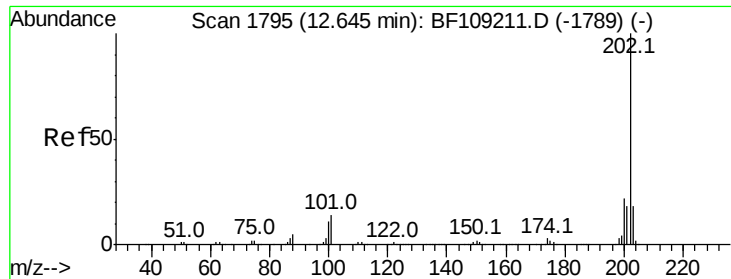
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	34.1
203	17.1	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. -0.01 min
 Lab File: BF109233.D
 Acq: 22 Sep 2018 20:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.5	14.3
236	26.0	20.7	31.1





#77

Pvrene

Concen: 3.390 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.02 min

Lab File: BF109233.D

Acq: 22 Sep 2018 20:35

Instrument :

BNA_F

ClientSampleId :

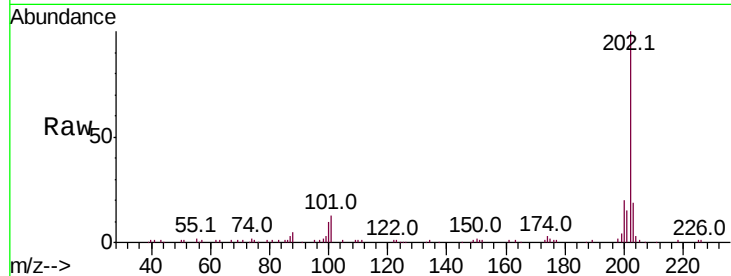
Tot Ion:202 Resp: 61117

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

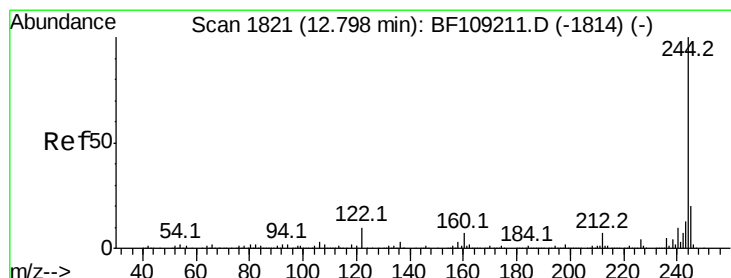
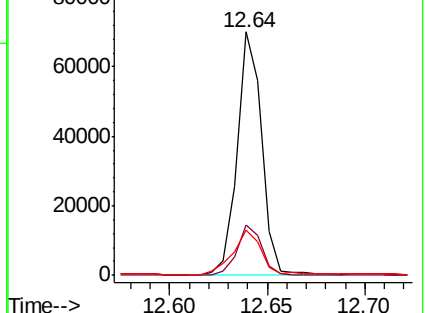
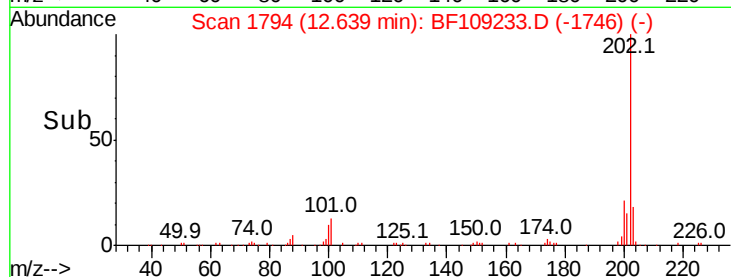
203 18.6 14.3 21.5



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: 15.242 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BF109233.D

Acq: 22 Sep 2018 20:35

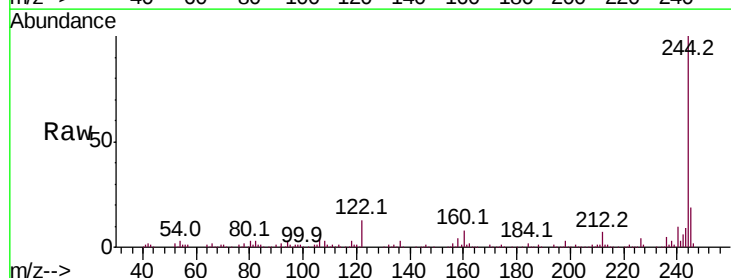
Tgt Ion:244 Resp: 156210

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

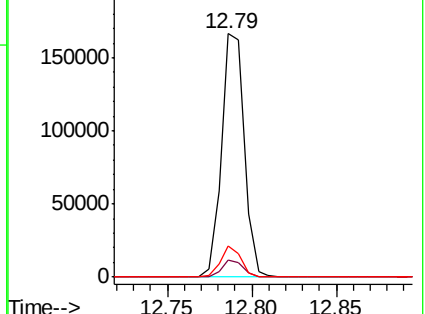
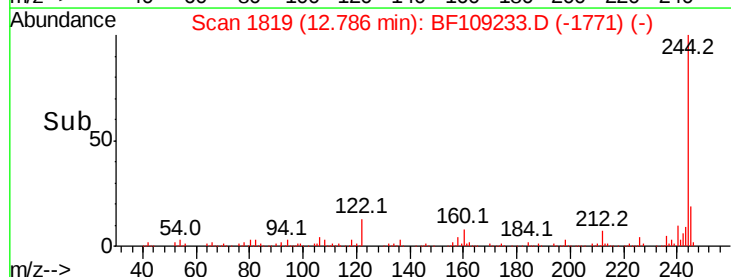
122 13.0 11.0 16.4

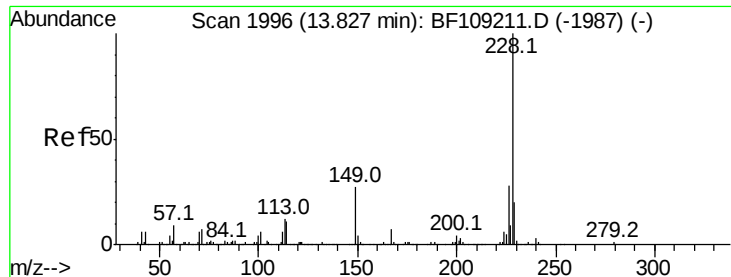


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

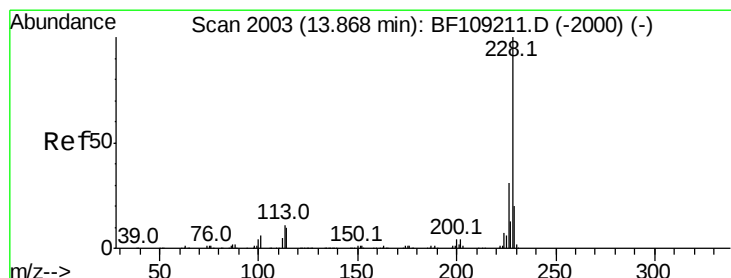
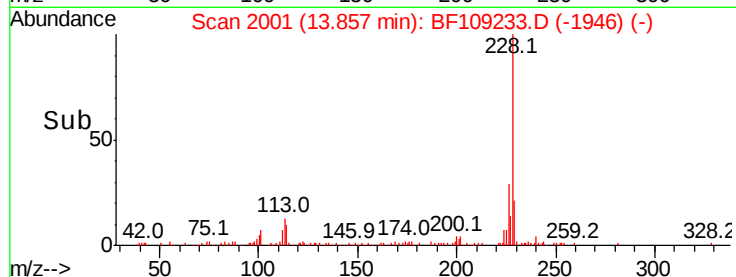
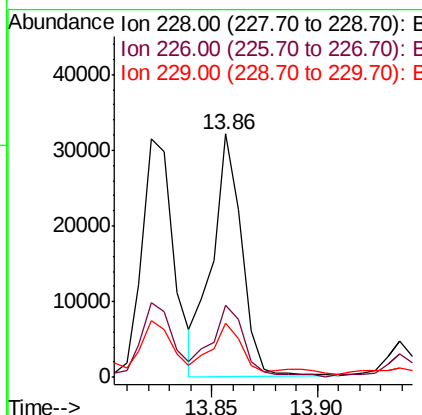
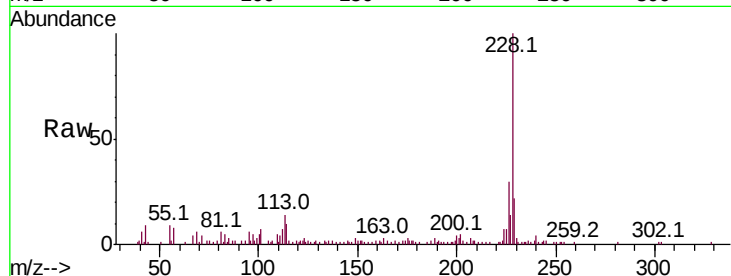




#80
Benzo(a)anthracene
Concen: 2.055 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.02 min
Lab File: BF109233.D
Acq: 22 Sep 2018 20:35

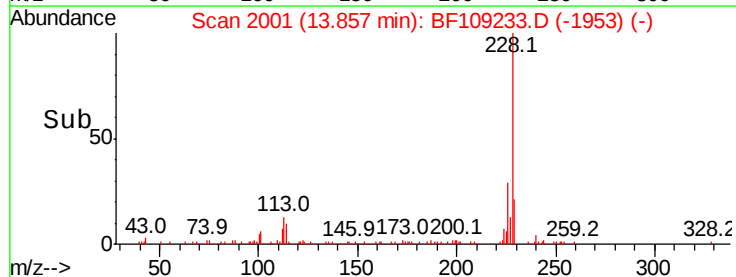
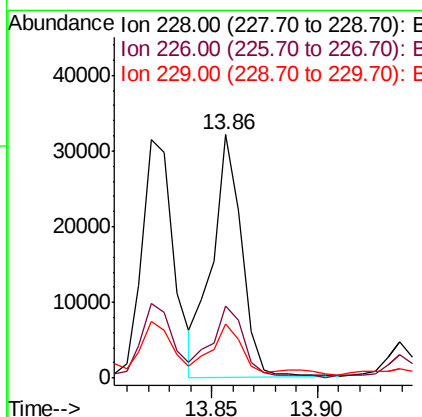
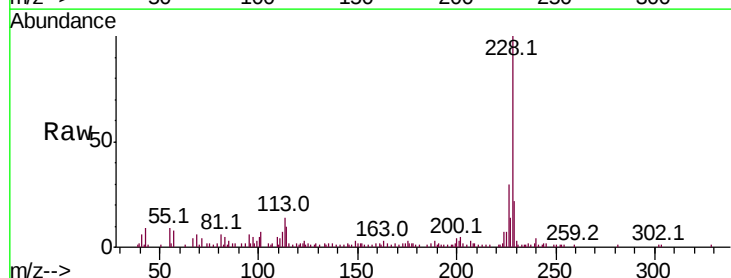
Instrument :
BNA_F
ClientSampleId :

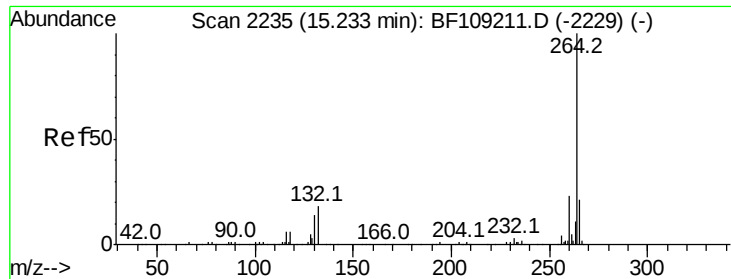
Tot Ion:228 Resp: 31130
Ion Ratio Lower Upper
228 100
226 29.9 22.6 33.8
229 22.5 15.8 23.6



#82
Chrysene
Concen: 2.073 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BF109233.D
Acq: 22 Sep 2018 20:35

Tgt Ion:228 Resp: 31130
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 22.5 16.2 24.4

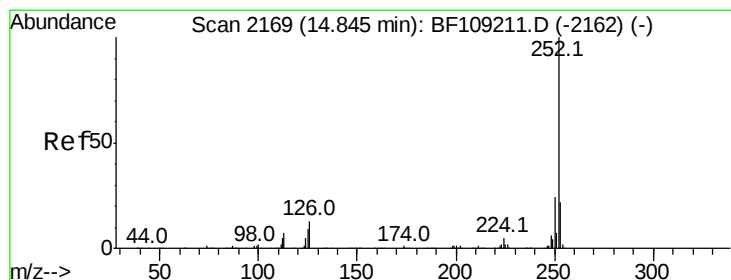
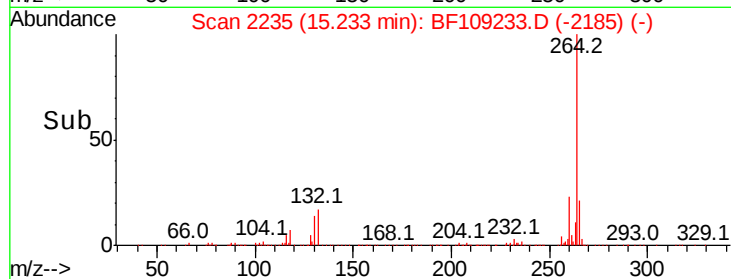
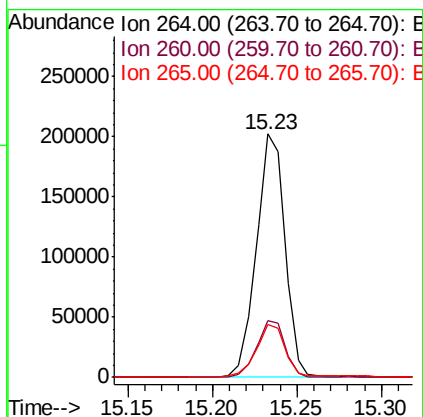
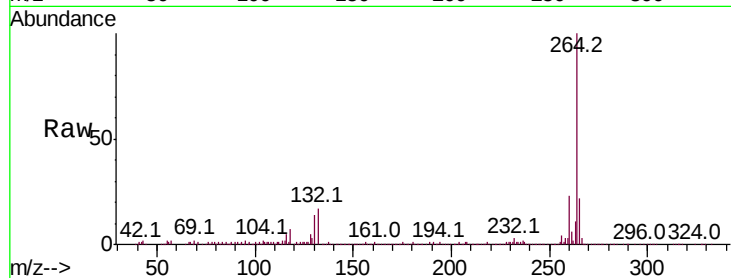




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF109233.D
Acq: 22 Sep 2018 20:35

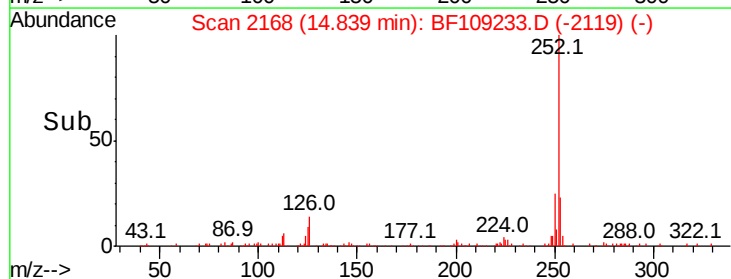
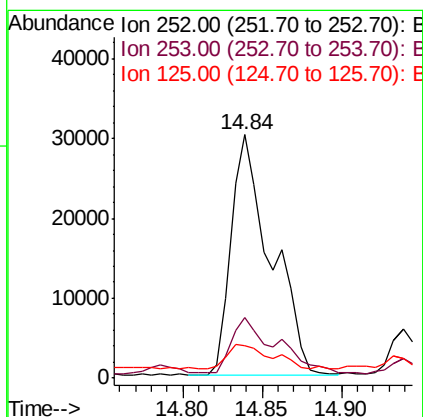
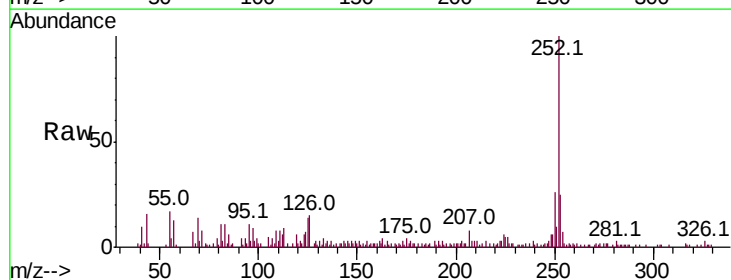
Instrument :
BNA_F
ClientSampleId :

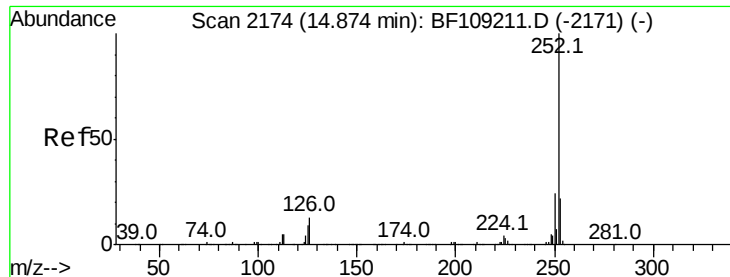
Tot Ion:264 Resp: 238578
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.021 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF109233.D
Acq: 22 Sep 2018 20:35

Tgt Ion:252 Resp: 52714
Ion Ratio Lower Upper
252 100
253 24.9 17.0 25.6
125 13.6 9.0 13.6

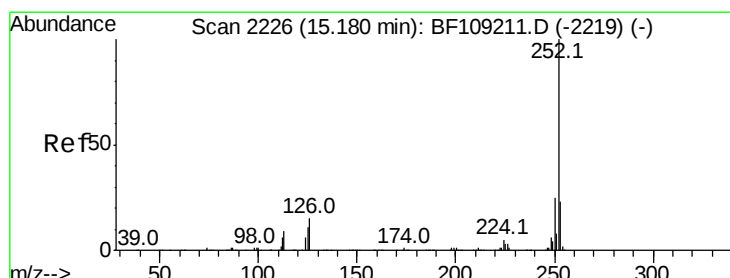
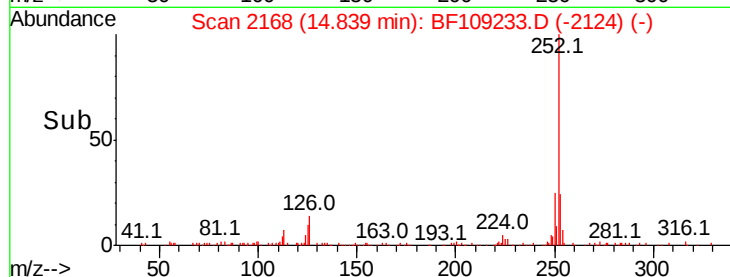
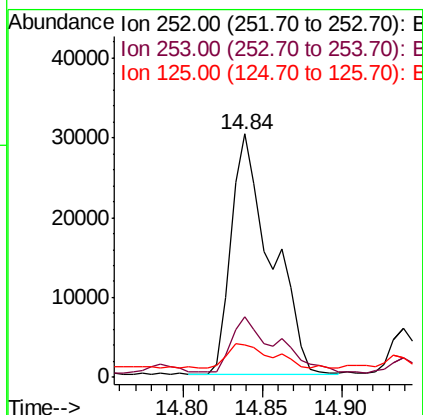
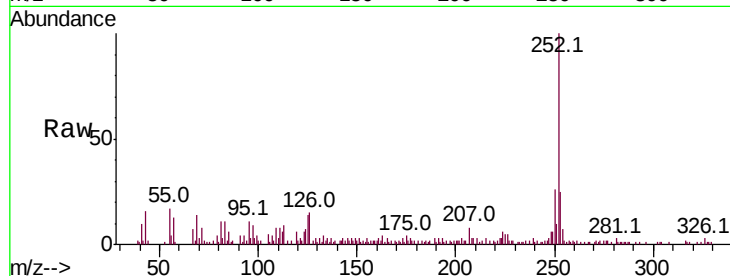




#88
Benzo(k)fluoranthene
Concen: 4.237 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF109233.D
Acq: 22 Sep 2018 20:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 52714
Ion Ratio Lower Upper
252 100
253 24.9 17.9 26.9
125 13.6 10.2 15.2



#89
Benzo(a)pyrene
Concen: 2.345 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF109233.D
Acq: 22 Sep 2018 20:35

Tgt Ion:252 Resp: 27699
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 15.7 9.8 14.6#

