

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109237.D
 Acq On : 22 Sep 2018 22:22
 Operator : JU/SJ
 Sample : J4777-19 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 06:51:14 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	117926	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	442888	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	187935	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	286964	20.00	ng	0.00
75) Chrysene-d12	13.83	240	235785	20.00	ng	-0.01
86) Perylene-d12	15.23	264	198605	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	397708	55.55	ng	0.00
7) Phenol-d6	6.34	99	505233	55.30	ng	-0.02
23) Nitrobenzene-d5	7.26	82	305815	40.76	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	88994	48.04	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	557154	44.71	ng	-0.01
78) Terphenyl-d14	12.79	244	367903	38.29	ng	-0.01

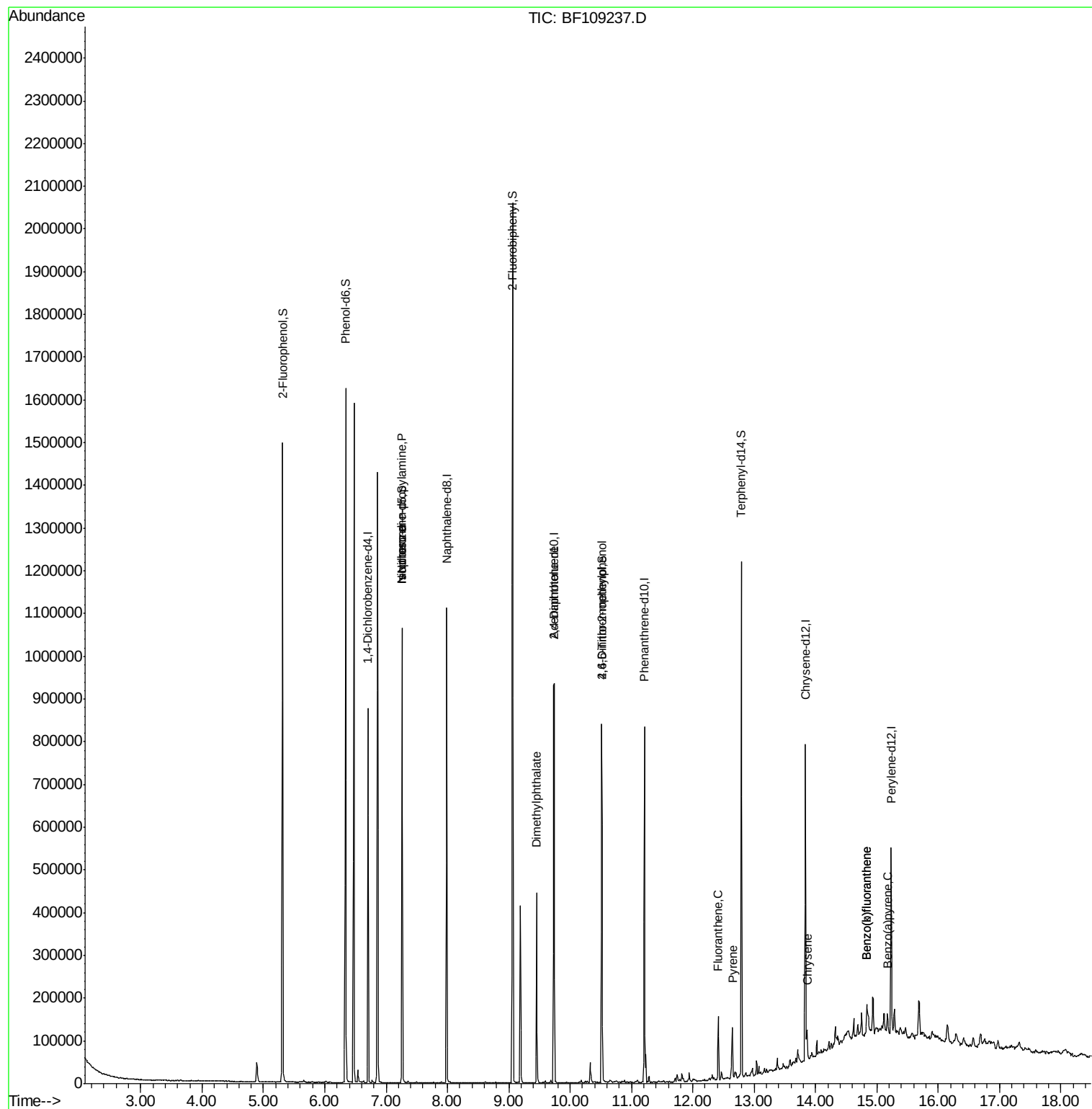
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	40686	6.796	ng	# 79
25) Isophorone	7.26	82	286644	21.217	ng	# 64
49) Dimethylphthalate	9.46	163	156597	11.456	ng	99
56) 2,4-Dinitrotoluene	9.73	165	23307	6.804	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	115	6.606	ng	# 1
74) Fluoranthene	12.42	202	54548	3.562	ng	96
77) Pyrene	12.65	202	49505	2.930	ng	98
82) Chrysene	13.86	228	29403	2.089	ng	99
87) Benzo(b)fluoranthene	14.84	252	45288	4.150	ng	# 96
88) Benzo(k)fluoranthene	14.84	252	45288	4.373	ng	99
89) Benzo(a)pyrene	15.17	252	21785	2.215	ng	# 92

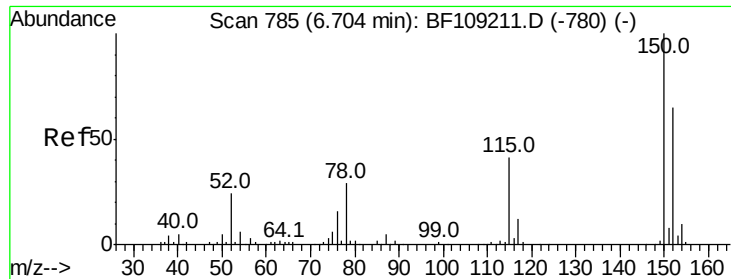
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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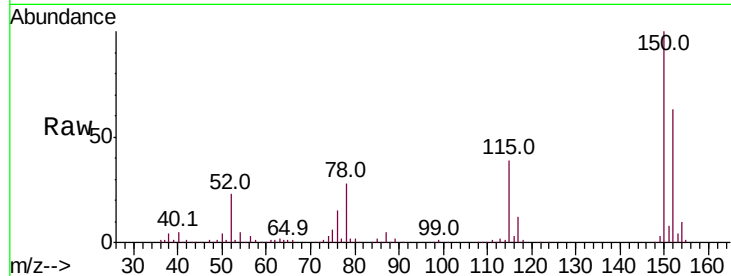


#1

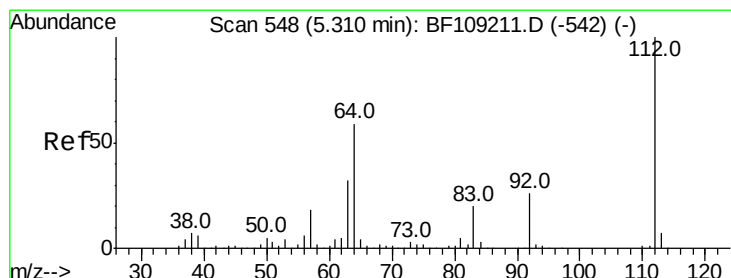
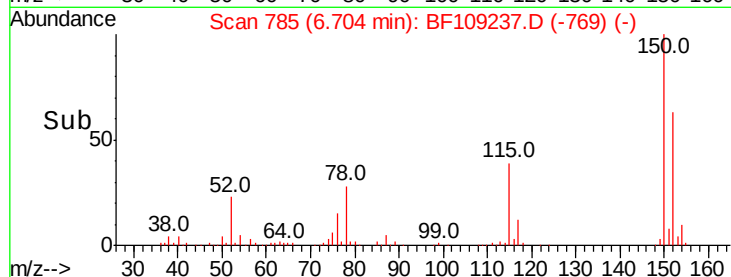
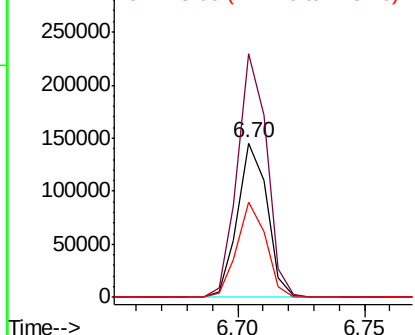
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109237.D
Acq: 22 Sep 2018 22:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117926
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 61.9 50.1 75.1



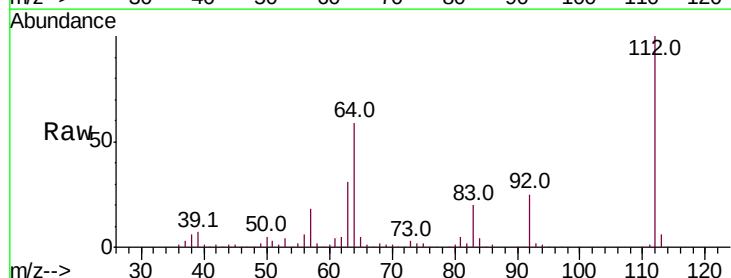
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



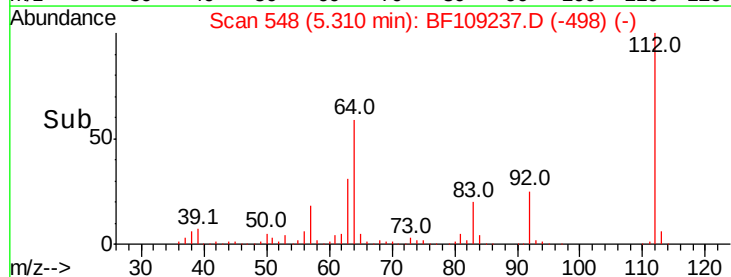
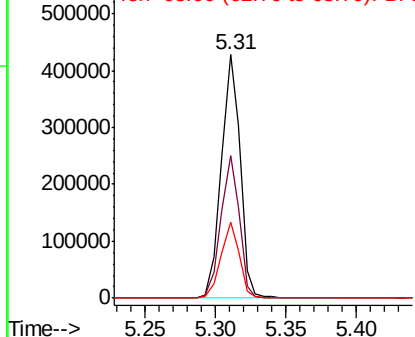
#5

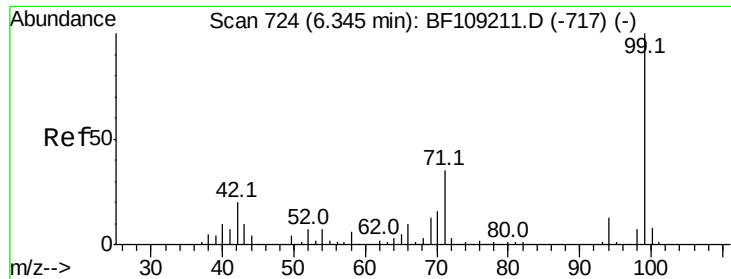
2-Fluorophenol
Concen: 55.548 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109237.D
Acq: 22 Sep 2018 22:22

Tgt Ion:112 Resp: 397708
Ion Ratio Lower Upper
112 100
64 58.7 47.9 71.9
63 31.3 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: 55.301 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109237.D

Acq: 22 Sep 2018 22:22

Instrument :

BNA_F

ClientSampled :

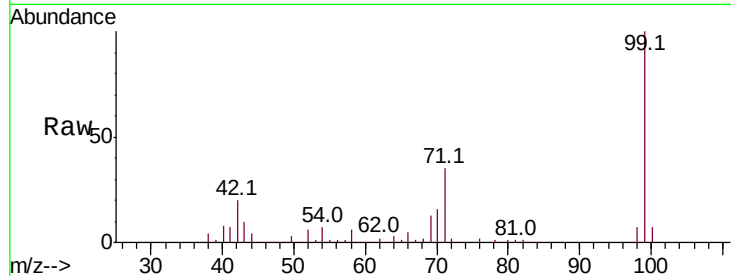
Tot Ion: 99 Resp: 505233

Ion Ratio Lower Upper

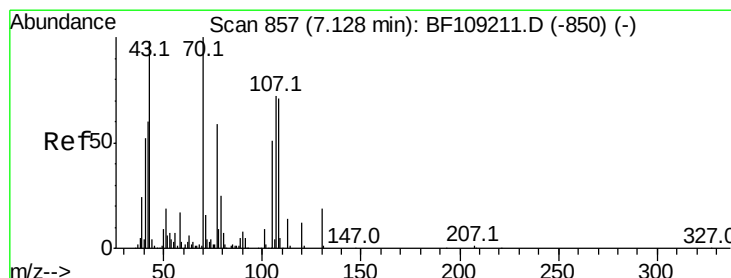
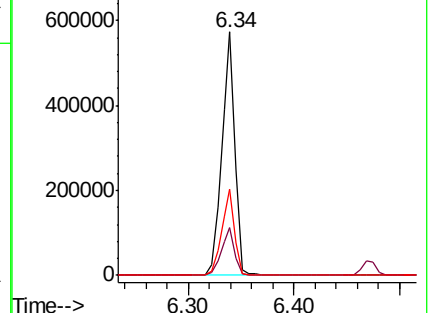
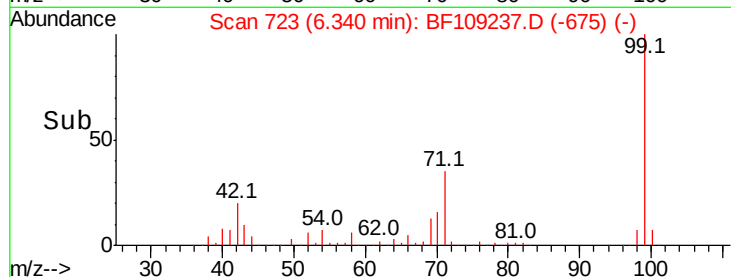
99 100

42 19.6 14.5 21.7

71 35.5 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: 6.796 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109237.D

Acq: 22 Sep 2018 22:22

Tgt Ion: 70 Resp: 40686

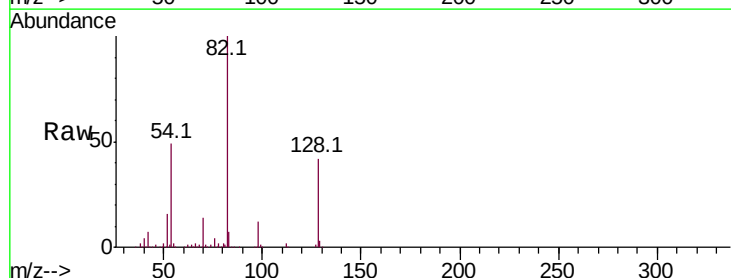
Ion Ratio Lower Upper

70 100

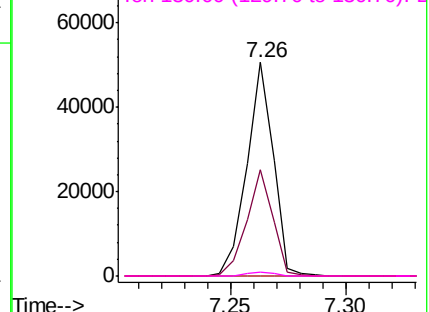
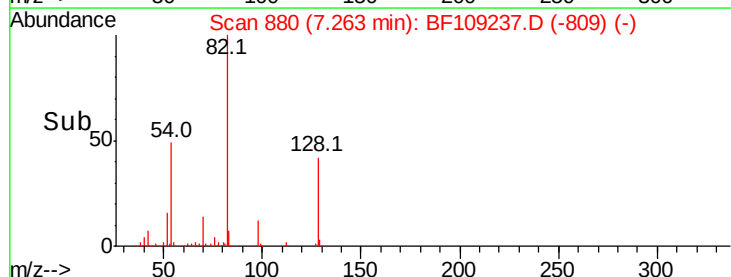
42 49.6 47.5 71.3

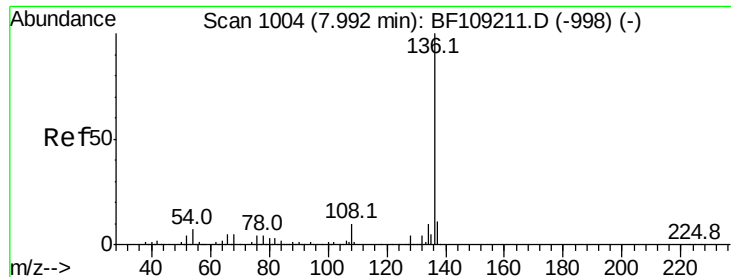
101 0.0 7.4 11.2#

130 2.1 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: BF109237.D

Acq: 22 Sep 2018 22:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 442888

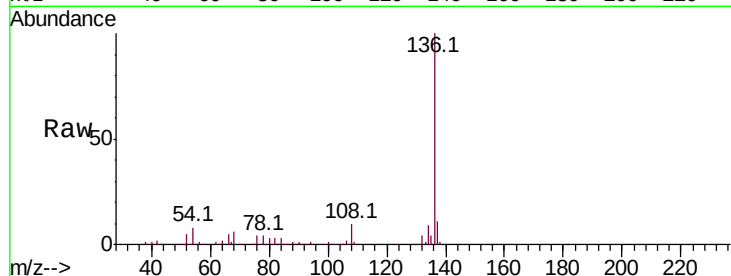
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.6 6.6 9.8

68 5.9 5.0 7.4

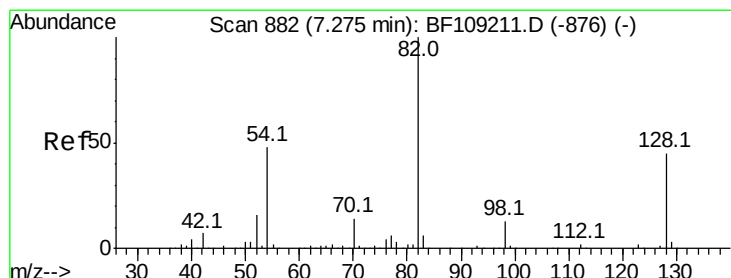
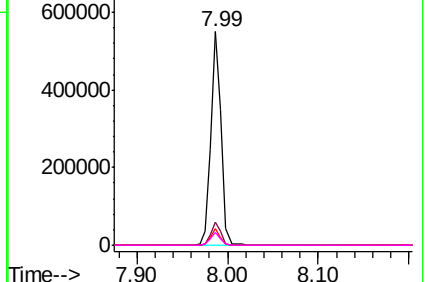
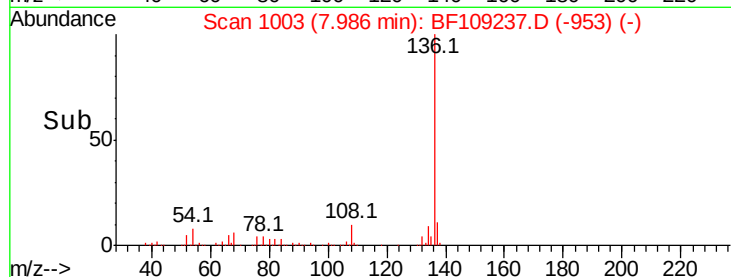


Abundance Ion 136.00 (135.70 to 136.70): E

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: 40.761 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109237.D

Acq: 22 Sep 2018 22:22

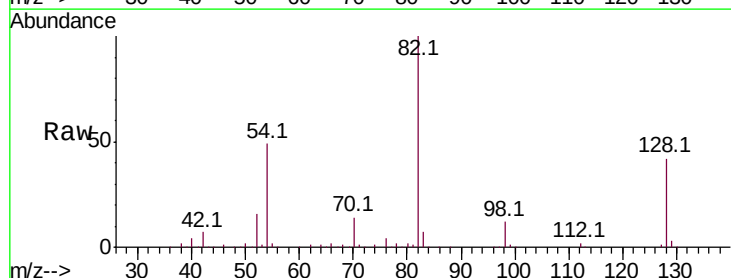
Tgt Ion: 82 Resp: 305815

Ion Ratio Lower Upper

82 100

128 42.0 36.1 54.1

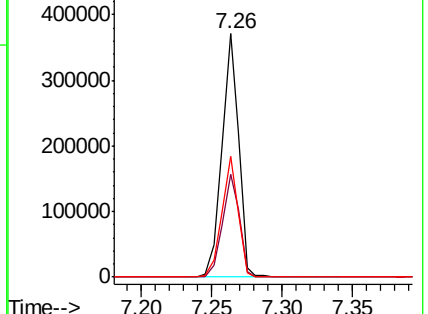
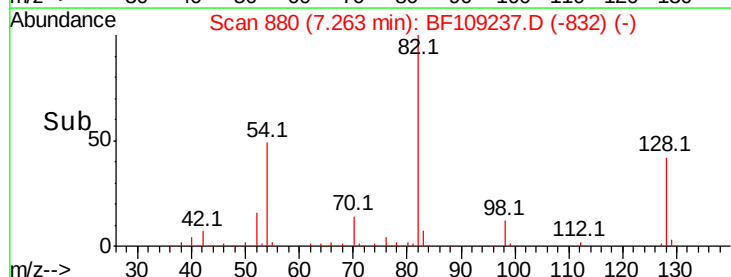
54 49.4 41.4 62.2

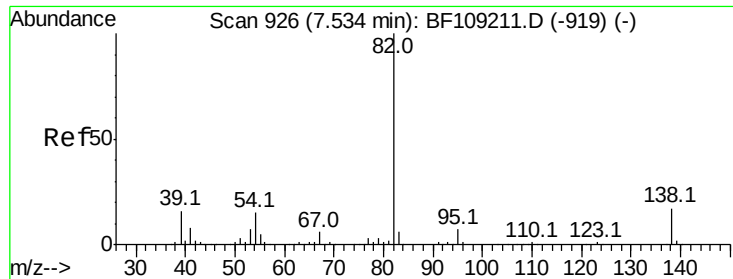


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 21.217 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109237.D

Acq: 22 Sep 2018 22:22

Instrument :

BNA_F

ClientSampled :

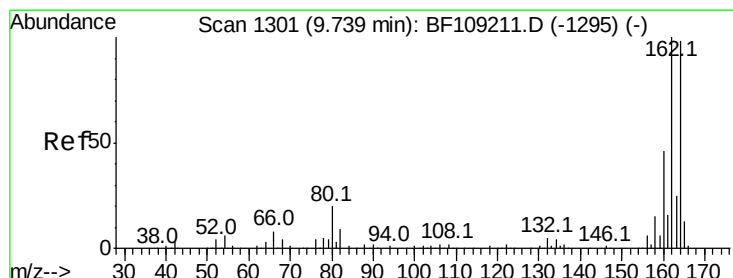
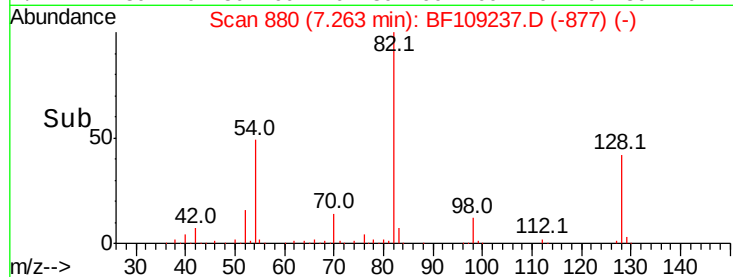
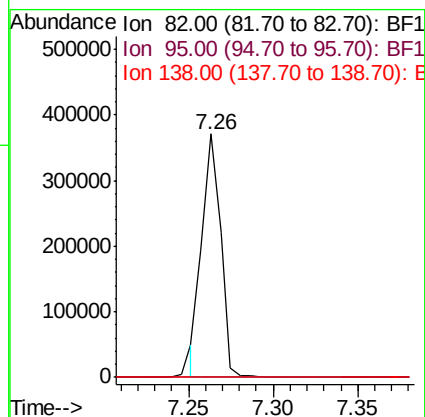
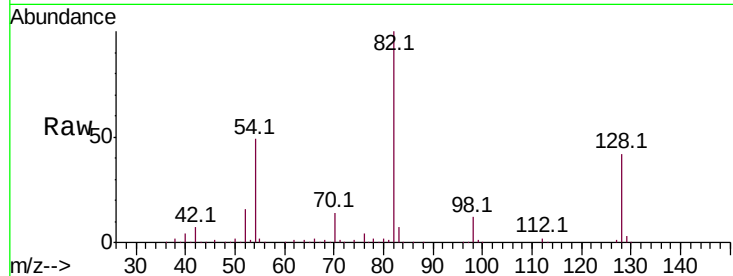
Tot Ion: 82 Resp: 286644

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109237.D

Acq: 22 Sep 2018 22:22

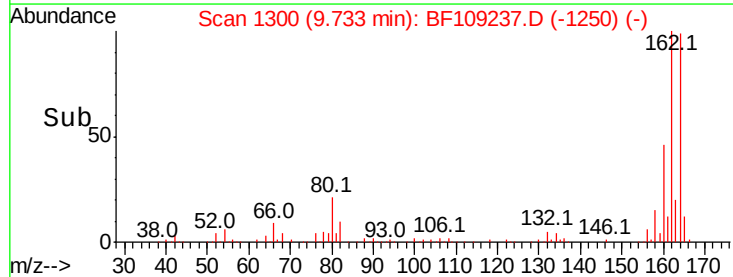
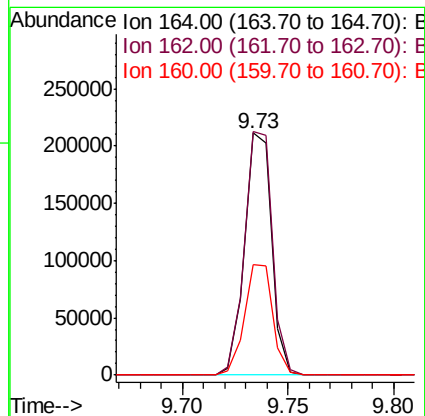
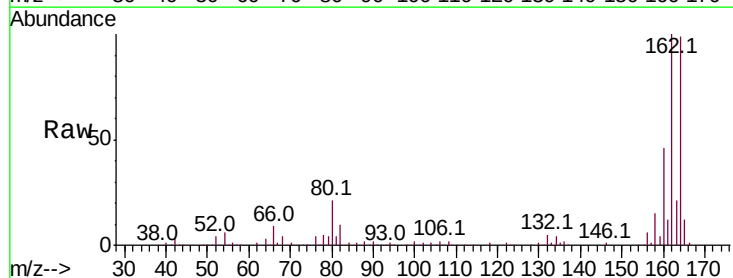
Tgt Ion: 164 Resp: 187935

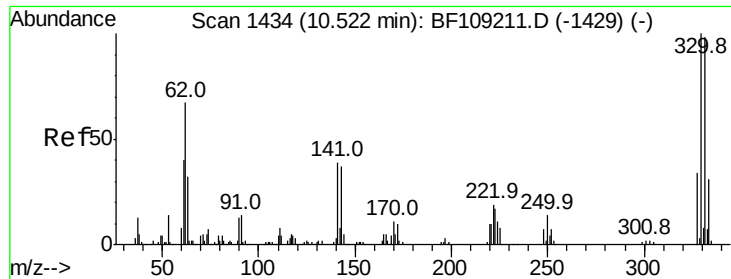
Ion Ratio Lower Upper

164 100

162 100.6 86.1 129.1

160 45.8 38.3 57.5

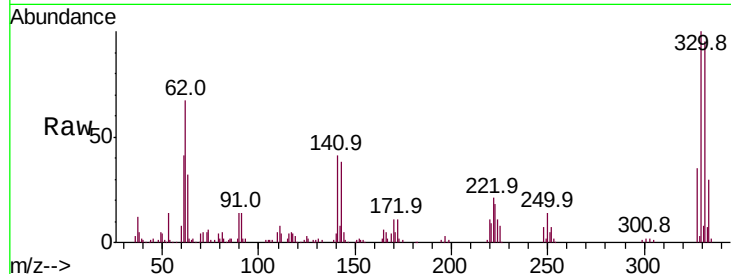




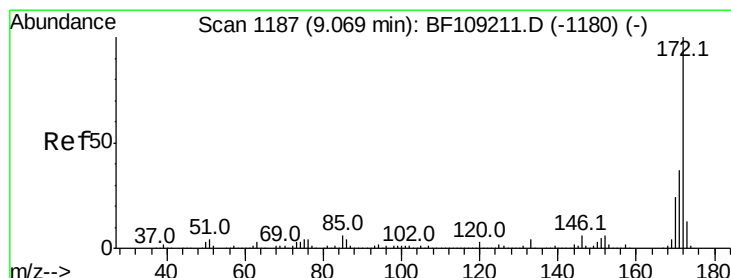
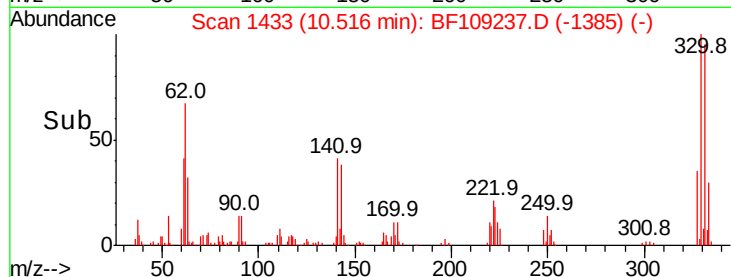
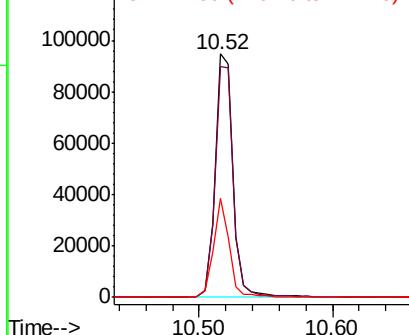
#41
 2,4,6-Tribromophenol
 Concen: 48.036 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109237.D
 Acq: 22 Sep 2018 22:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 88994
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 35.8 29.9 44.9

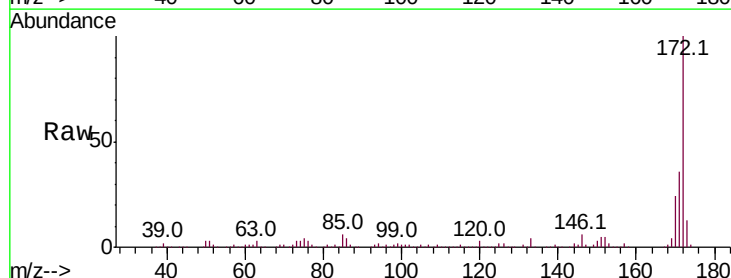


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

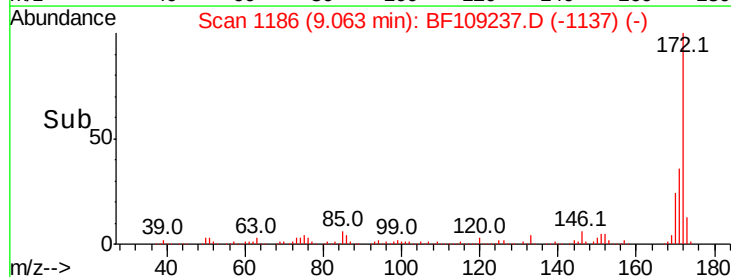
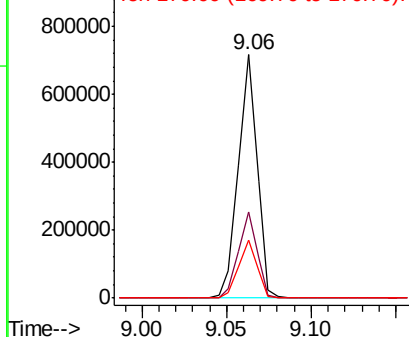


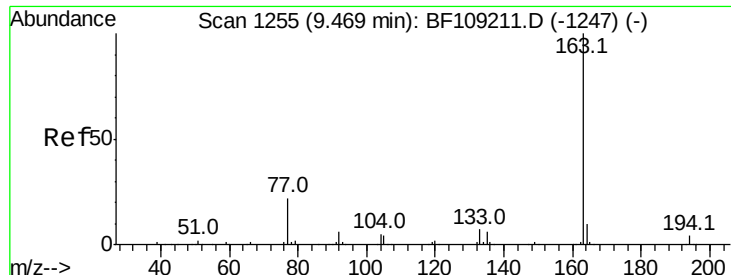
#44
 2-Fluorobiphenyl
 Concen: 44.712 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109237.D
 Acq: 22 Sep 2018 22:22

Tgt Ion:172 Resp: 557154
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 23.9 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

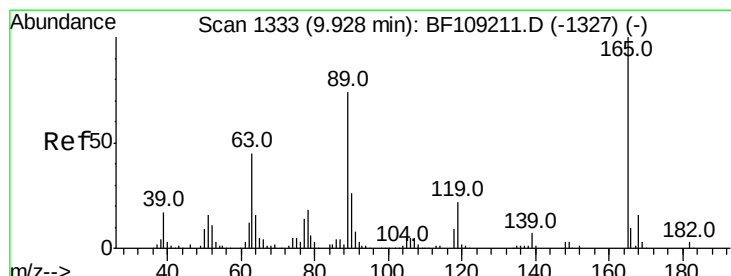
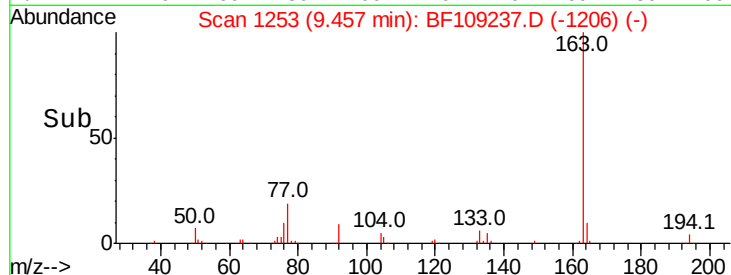
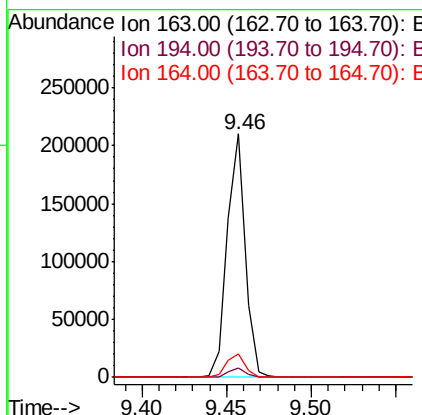
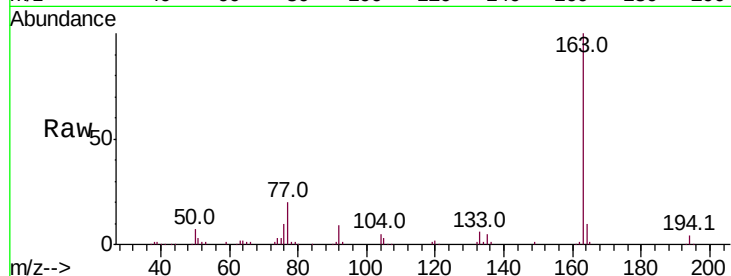




#49
Dimethylphthalate
Concen: 11.456 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109237.D
Acq: 22 Sep 2018 22:22

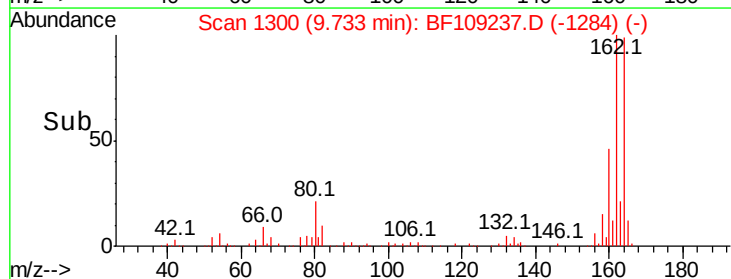
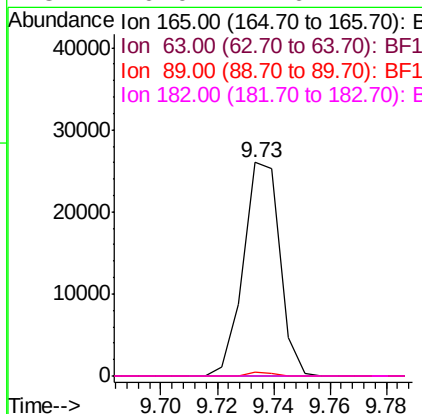
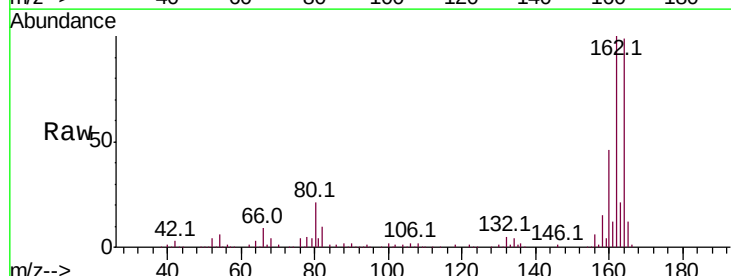
Instrument :
BNA_F
ClientSampled :

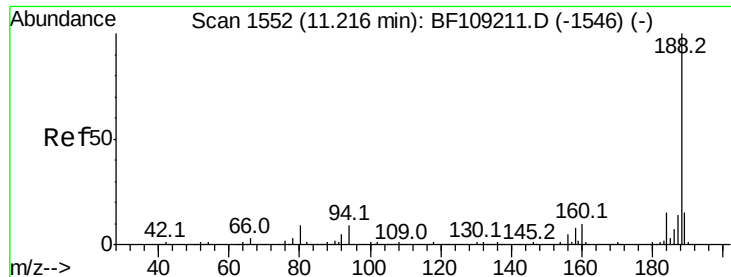
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	9.7	8.2	12.2



#56
2,4-Dinitrotoluene
Concen: 6.804 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109237.D
Acq: 22 Sep 2018 22:22

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

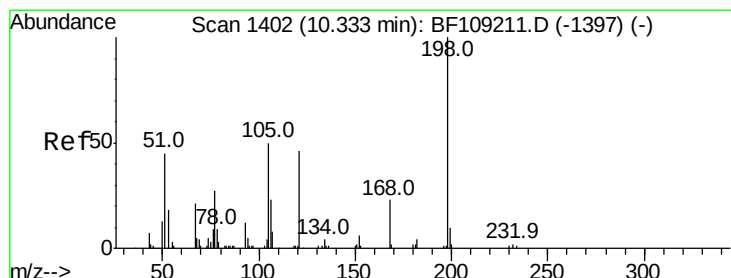
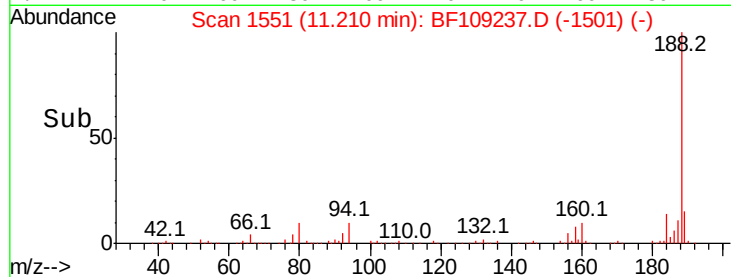
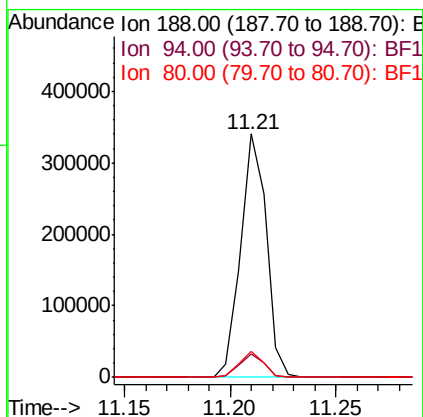
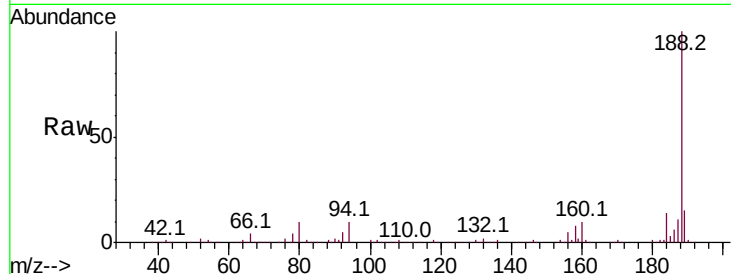




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109237.D
 Acq: 22 Sep 2018 22:22

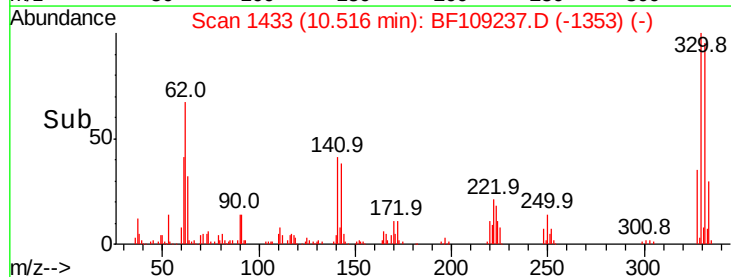
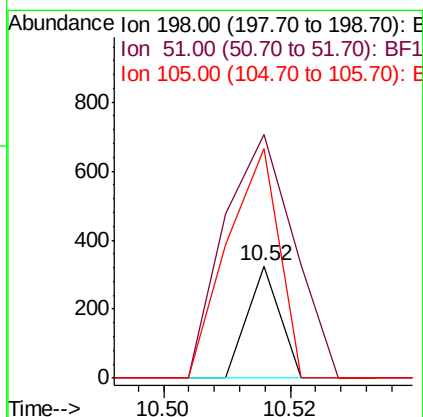
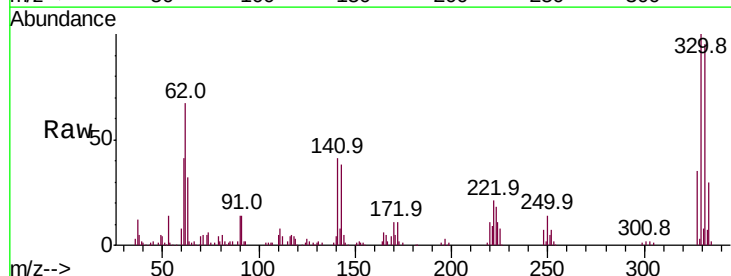
Instrument :
 BNA_F
 ClientSampled :

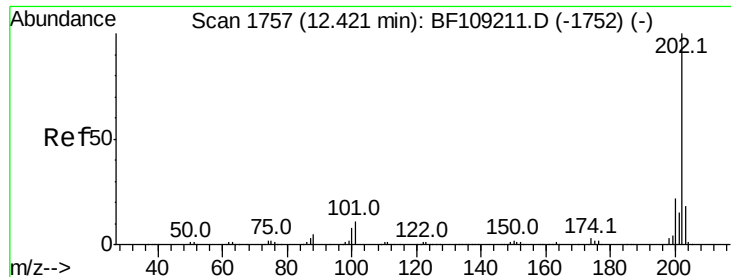
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.5	9.2	13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.606 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.17 min
 Lab File: BF109237.D
 Acq: 22 Sep 2018 22:22

Tgt Ion	Ratio	Lower	Upper
198	100		
51	217.2	37.7	77.7#
105	204.3	36.3	76.3#

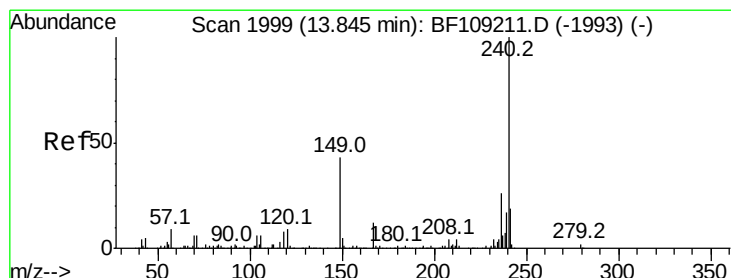
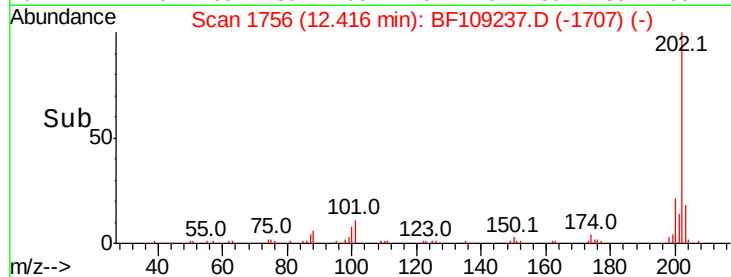
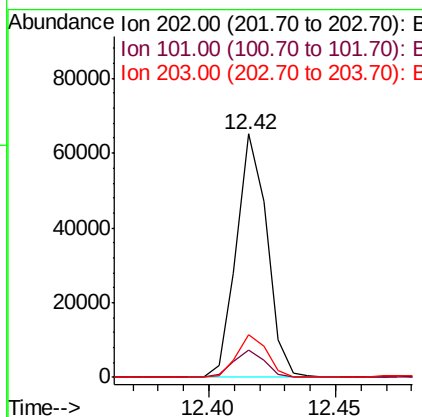
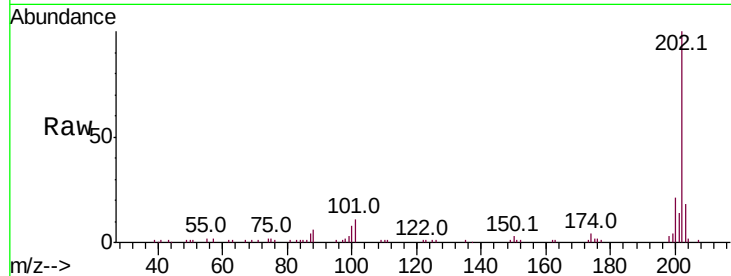




#74
Fluoranthene
Concen: 3.562 ng
RT: 12.42 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF109237.D
Acq: 22 Sep 2018 22:22

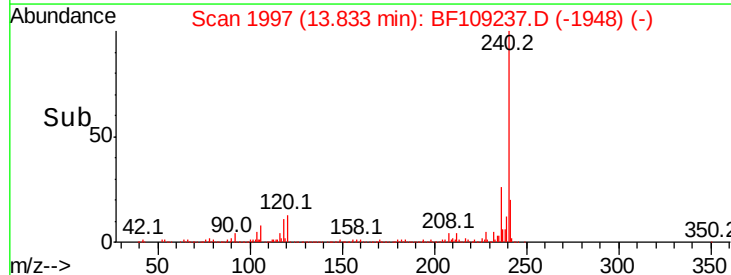
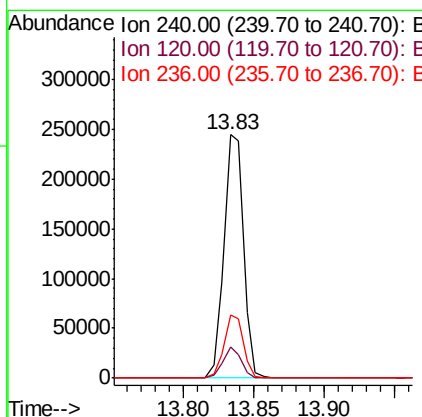
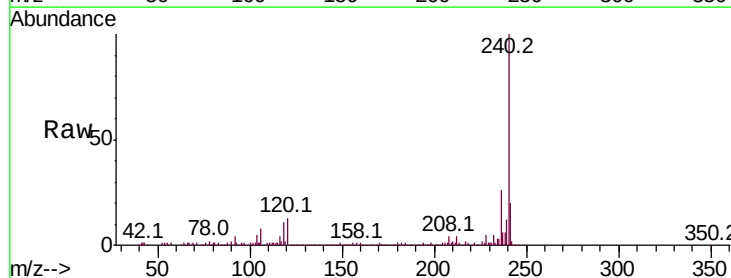
Instrument :
BNA_F
ClientSampleId :

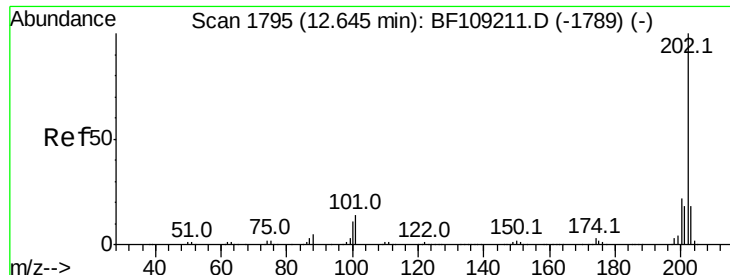
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.1
203	17.7	0.0	38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF109237.D
Acq: 22 Sep 2018 22:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.5	14.3
236	26.0	20.7	31.1

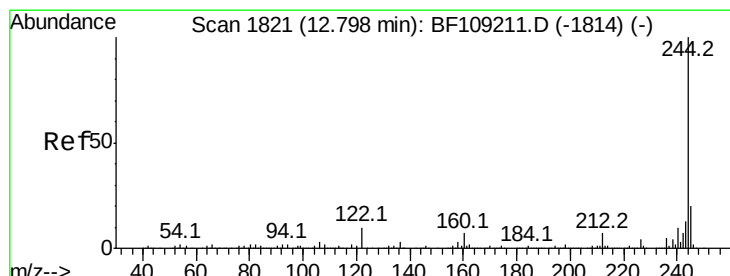
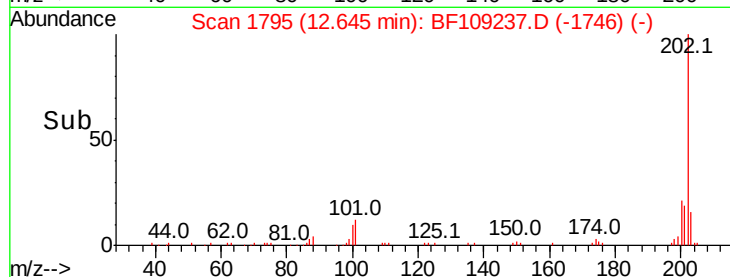
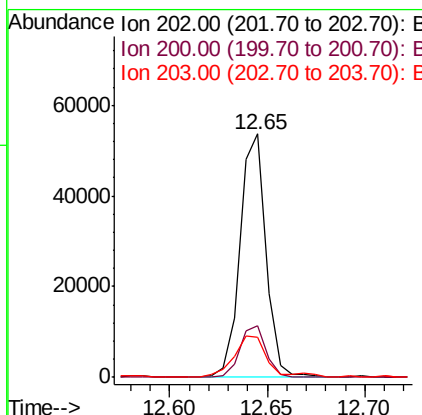
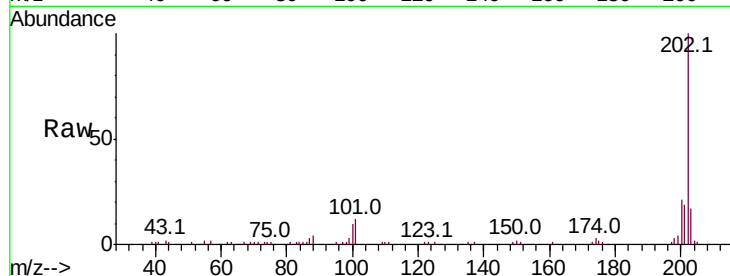




#77
 Pvrene
 Concen: 2.930 ng
 RT: 12.65 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BF109237.D
 Acq: 22 Sep 2018 22:22

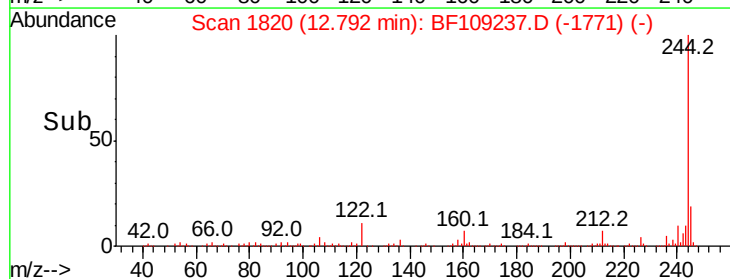
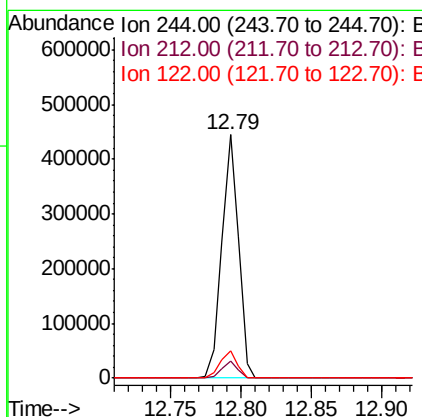
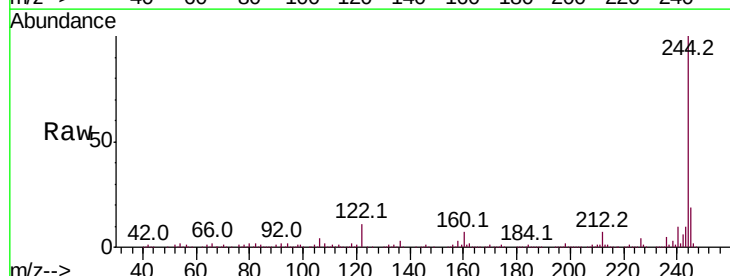
Instrument :
 BNA_F
 ClientSampleId :

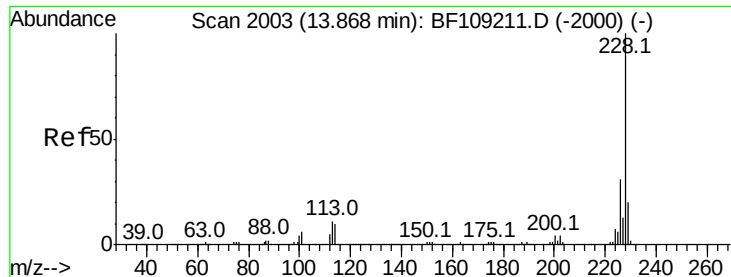
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	16.7	14.3	21.5



#78
 Terphenyl-d14
 Concen: 38.293 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109237.D
 Acq: 22 Sep 2018 22:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.3	11.0	16.4





#82

Chrysene

Concen: 2.089 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109237.D

Acq: 22 Sep 2018 22:22

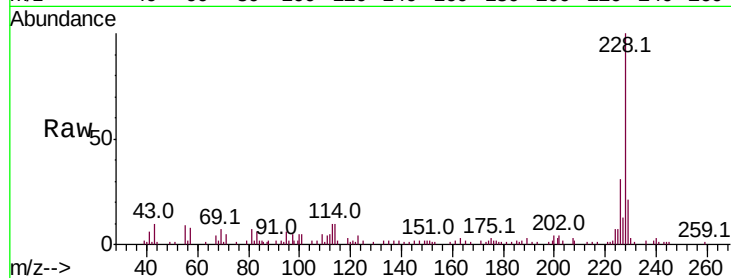
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 29403

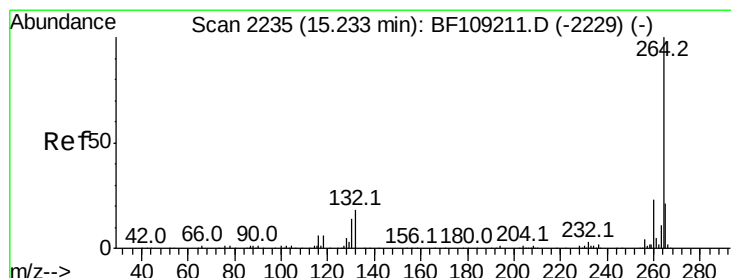
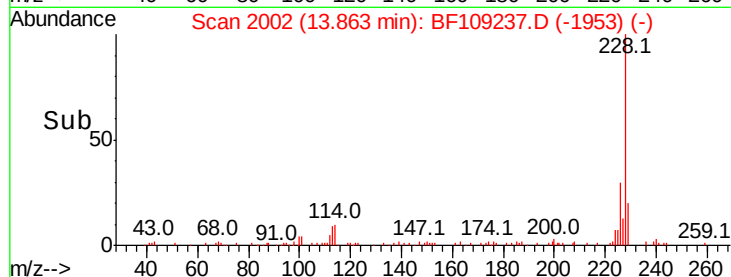
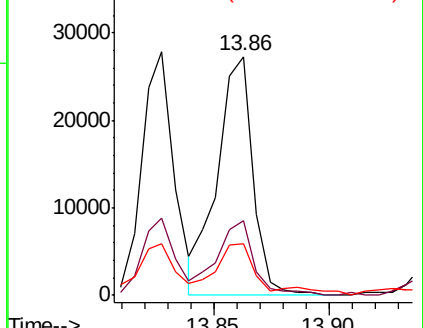
Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	21.4	16.2	24.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

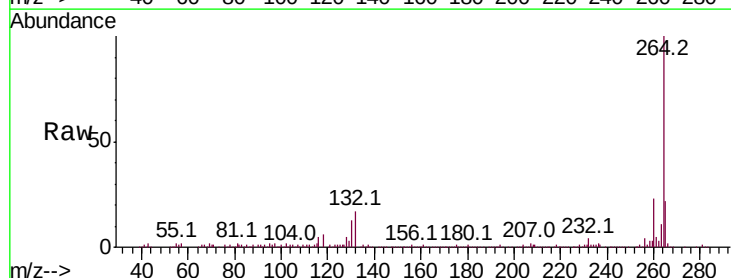
Delta R.T. -0.01 min

Lab File: BF109237.D

Acq: 22 Sep 2018 22:22

Tgt Ion:264 Resp: 198605

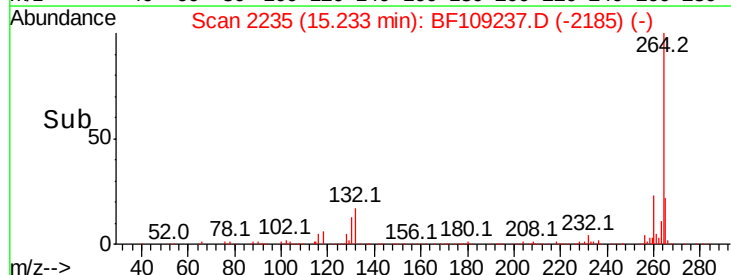
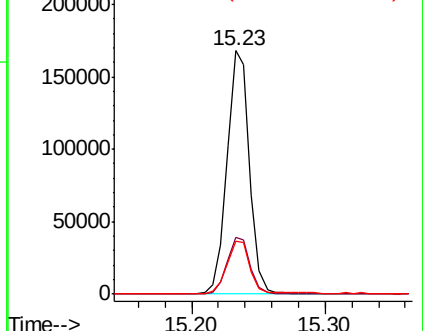
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.7	17.5	26.3

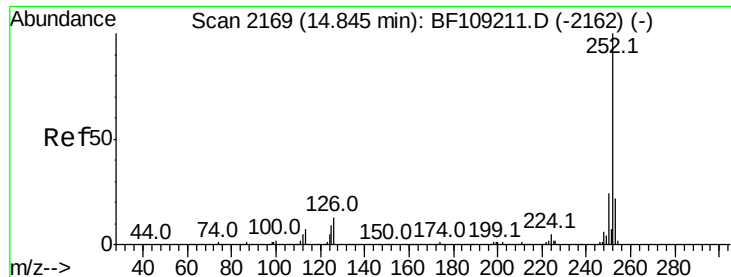


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

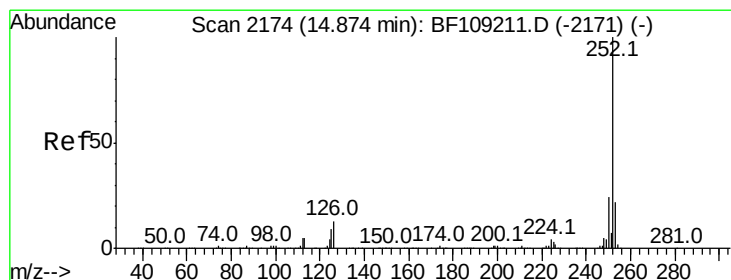
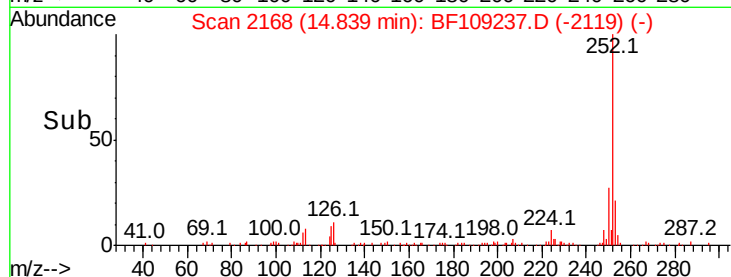
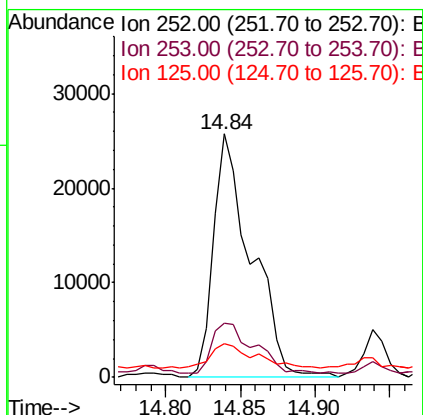
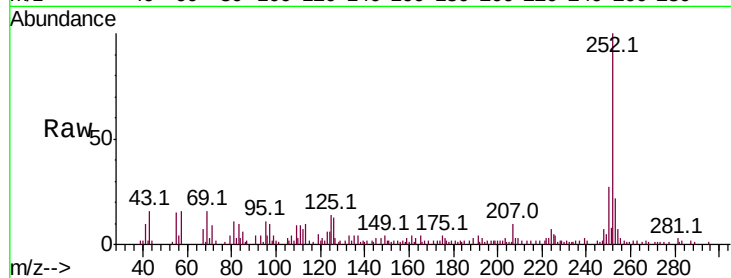




#87
Benzo(b)fluoranthene
Concen: 4.150 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF109237.D
Acq: 22 Sep 2018 22:22

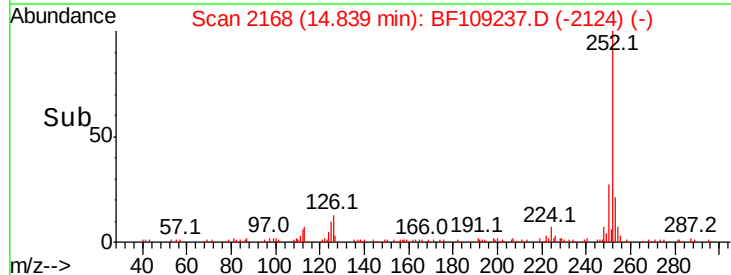
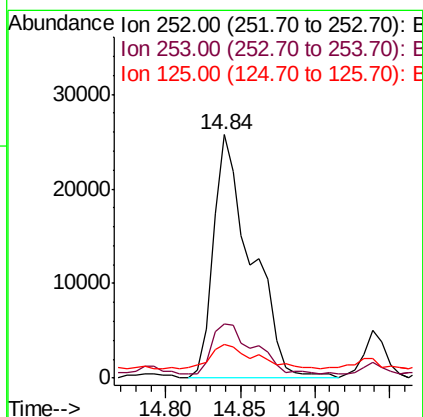
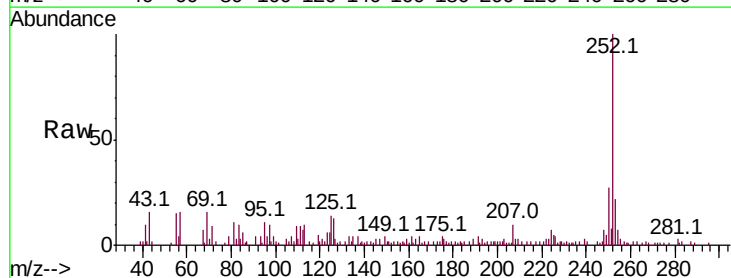
Instrument :
BNA_F
ClientSampleId :

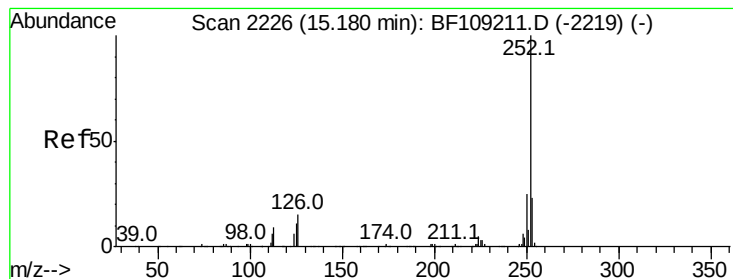
Tot Ion:252 Resp: 45288
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 14.1 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 4.373 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF109237.D
Acq: 22 Sep 2018 22:22

Tgt Ion:252 Resp: 45288
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 14.1 10.2 15.2





#89

Benzo(a)pyrene

Concen: 2.215 ng

RT: 15.17 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BF109237.D

Acq: 22 Sep 2018 22:22

Instrument :

BNA_F

ClientSampleId :

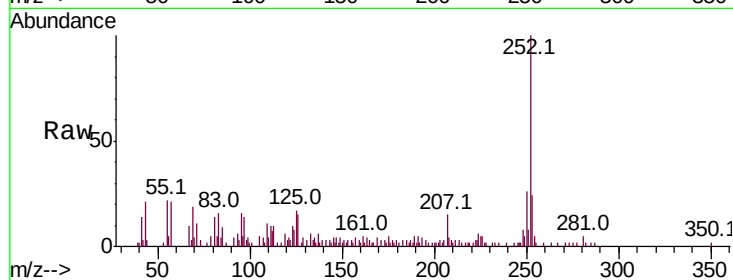
Tot Ion:252 Resp: 21785

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

125 17.4 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

