

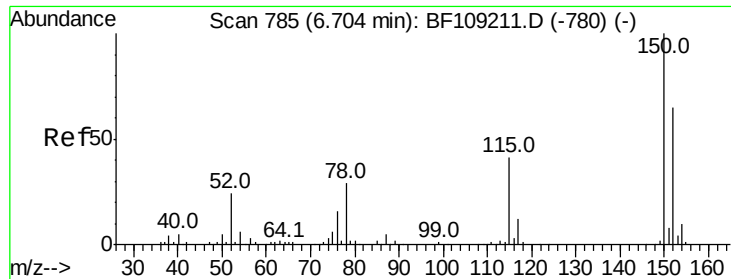
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109235.D
 Acq On : 22 Sep 2018 21:28
 Operator : JU/SJ
 Sample : J4777-27 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 06:51:00 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	123343	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	472691	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	206646	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	326298	20.00	ng	0.00
75) Chrysene-d12	13.83	240	247174	20.00	ng	-0.01
86) Perylene-d12	15.23	264	213951	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	130014	17.36	ng	-0.01
7) Phenol-d6	6.33	99	166549	17.43	ng	-0.02
23) Nitrobenzene-d5	7.26	82	96497	12.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	29208	14.34	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	197705	14.43	ng	-0.01
78) Terphenyl-d14	12.79	244	134315	13.34	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	12743	2.035	ng	# 76
25) Isophorone	7.26	82	86869	6.024	ng	# 64
49) Dimethylphthalate	9.46	163	37108	2.469	ng	# 99
50) 2,6-Dinitrotoluene	9.73	165	27069	9.093	ng	# 26
56) 2,4-Dinitrotoluene	9.73	165	27069	7.187	ng	# 23
88) Benzo(k)fluoranthene	14.84	252	22562	2.022	ng	# 89

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

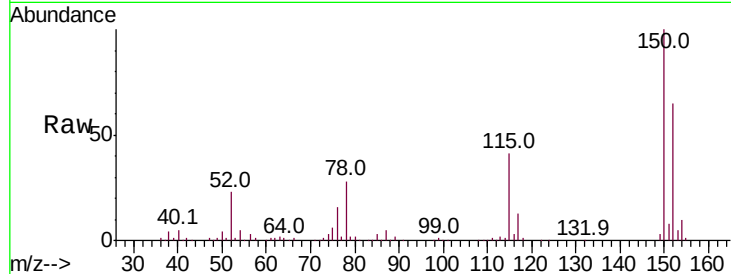


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109235.D
 Acq: 22 Sep 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.6	186.8
115	62.8	50.1	75.1

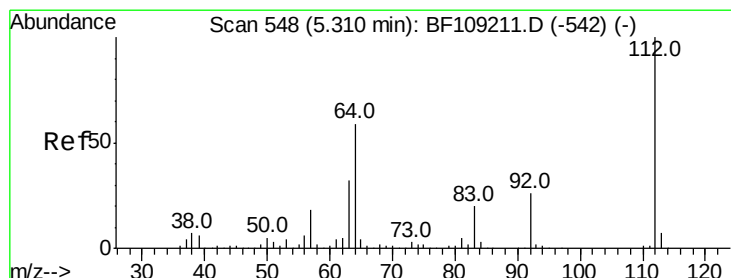
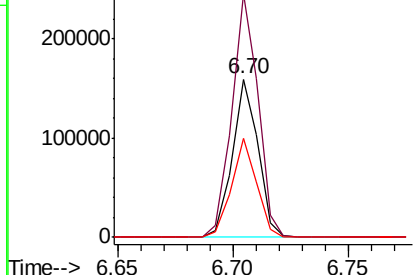
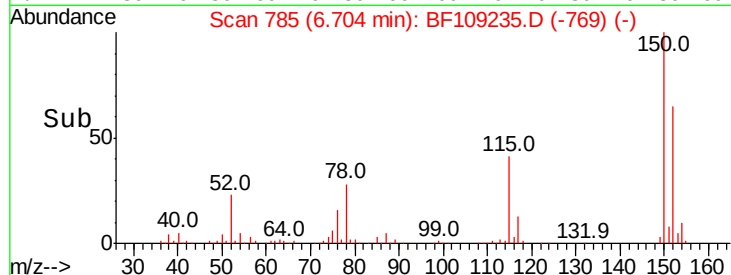


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

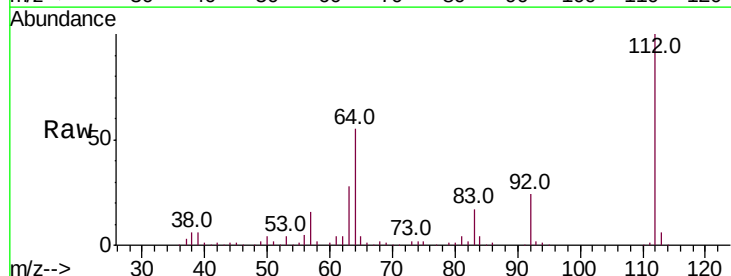
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 17.362 ng
 RT: 5.30 min Scan# 547
 Delta R.T. -0.01 min
 Lab File: BF109235.D
 Acq: 22 Sep 2018 21:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.9	71.9
63	28.5	23.7	35.5

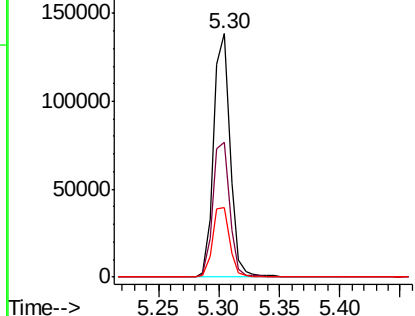
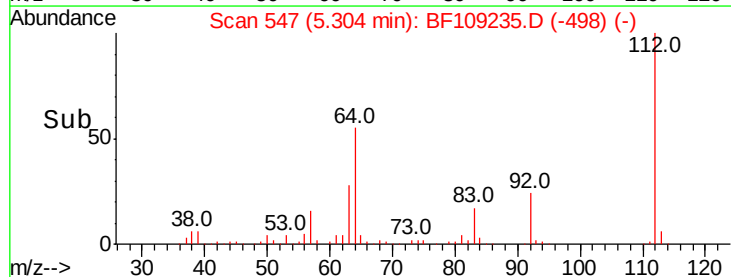


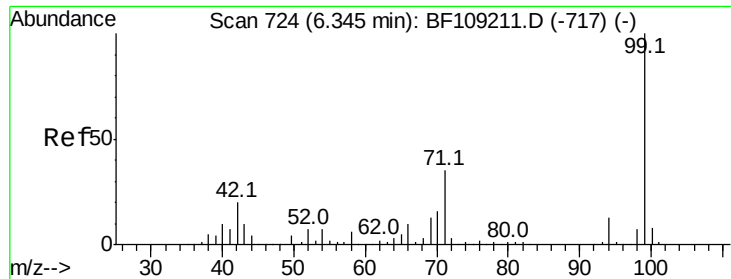
Abundance

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: 17.429 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF109235.D

Acq: 22 Sep 2018 21:28

Instrument :

BNA_F

ClientSampled :

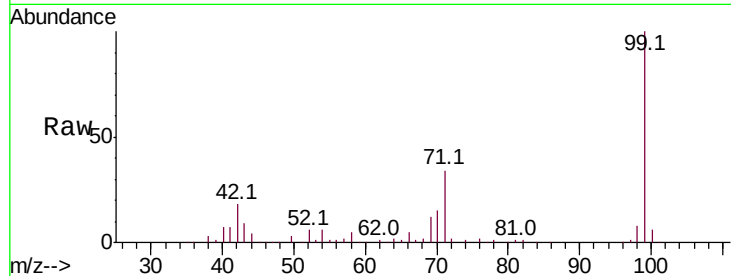
Tot Ion: 99 Resp: 166549

Ion Ratio Lower Upper

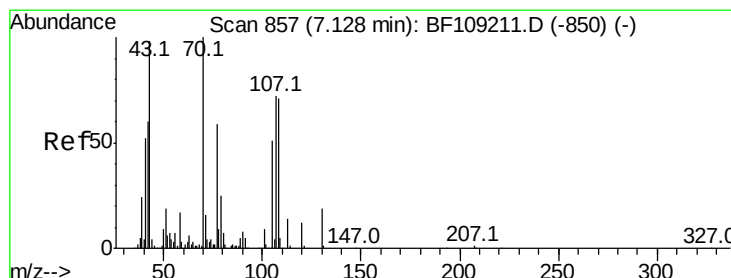
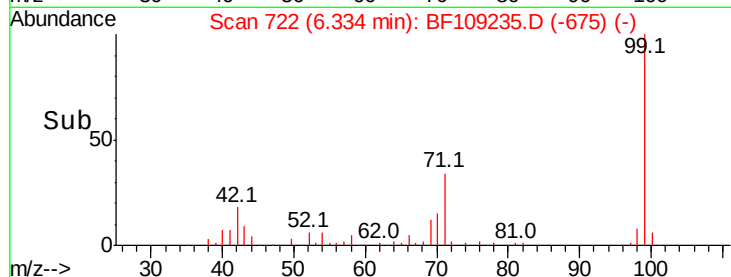
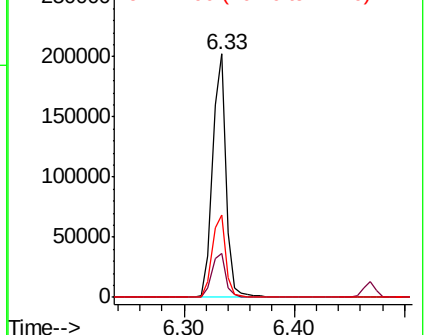
99 100

42 18.0 14.5 21.7

71 33.8 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: 2.035 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109235.D

Acq: 22 Sep 2018 21:28

Tgt Ion: 70 Resp: 12743

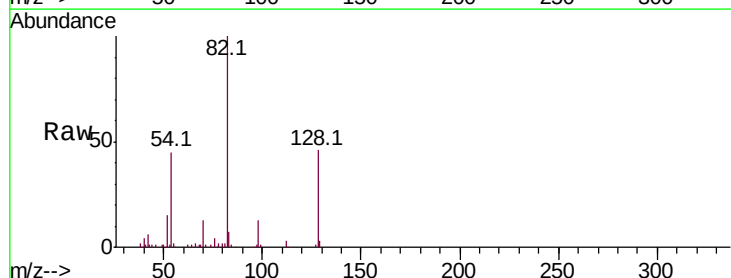
Ion Ratio Lower Upper

70 100

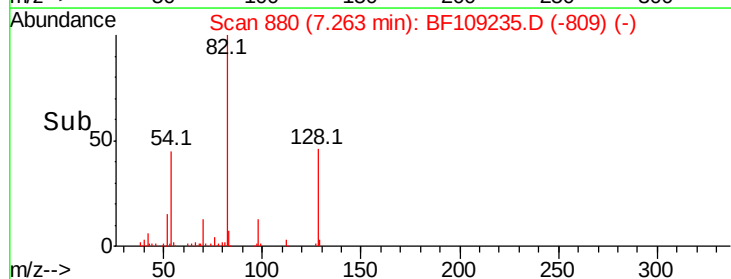
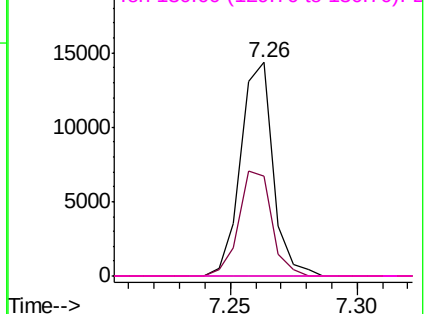
42 46.9 47.5 71.3#

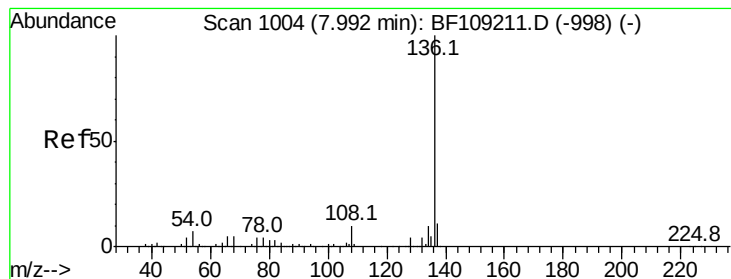
101 0.0 7.4 11.2#

130 0.0 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: BF109235.D

Acq: 22 Sep 2018 21:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 472691

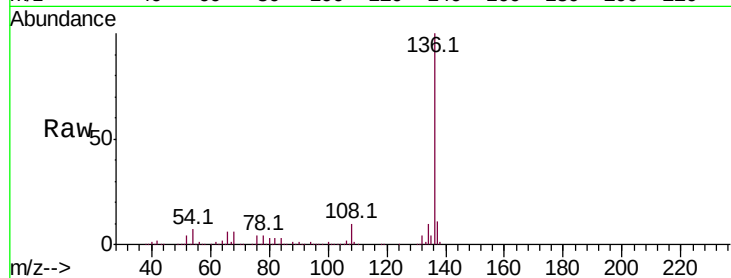
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.5 6.6 9.8

68 5.9 5.0 7.4

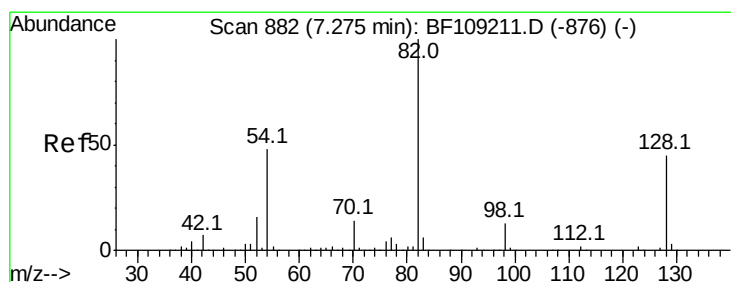
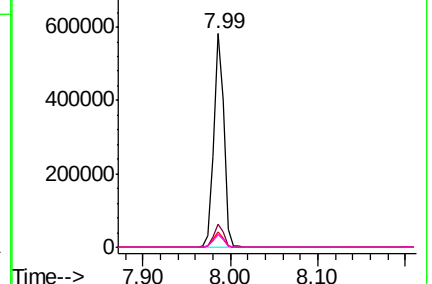
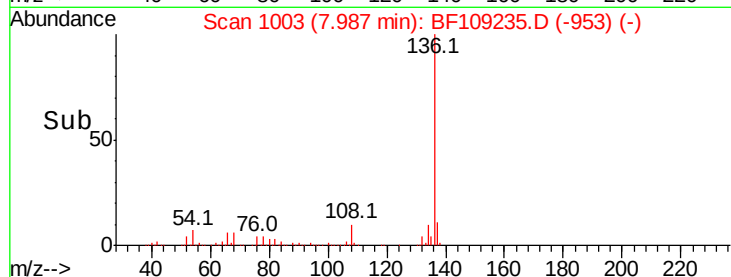


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.051 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109235.D

Acq: 22 Sep 2018 21:28

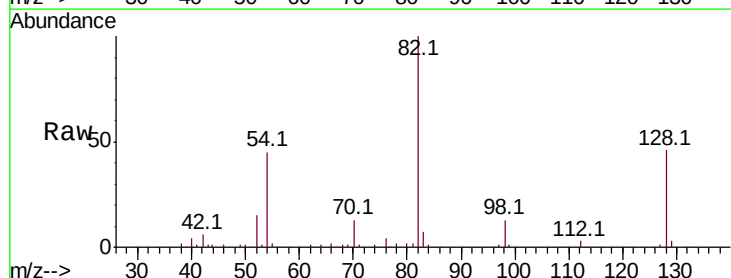
Tgt Ion: 82 Resp: 96497

Ion Ratio Lower Upper

82 100

128 45.7 36.1 54.1

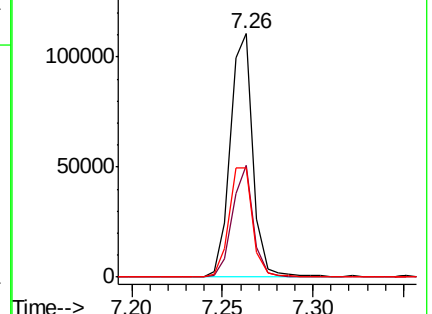
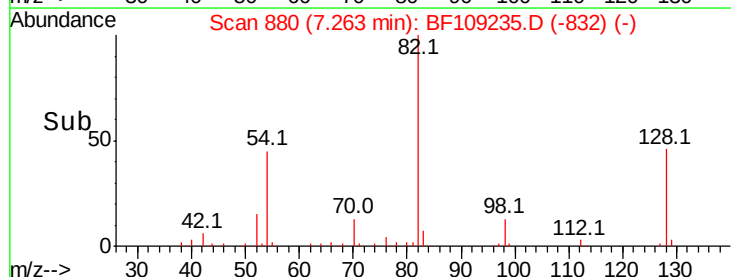
54 44.9 41.4 62.2

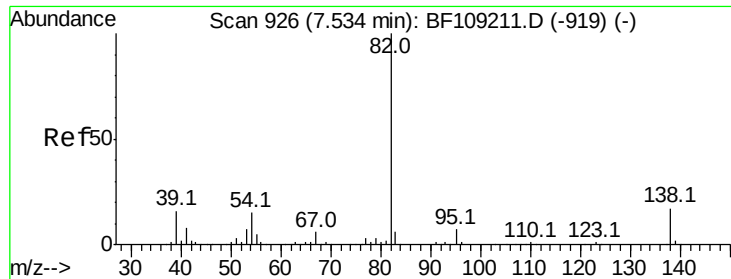


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 6.024 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109235.D

Acq: 22 Sep 2018 21:28

Instrument :

BNA_F

ClientSampled :

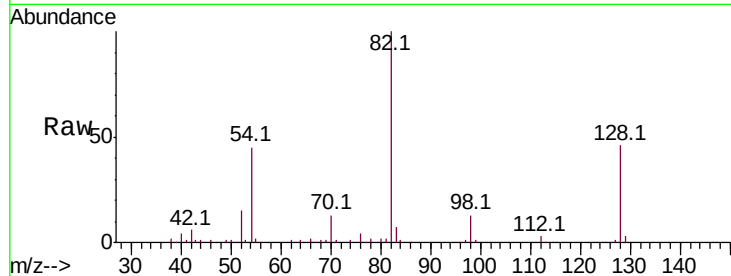
Tot Ion: 82 Resp: 86869

Ion Ratio Lower Upper

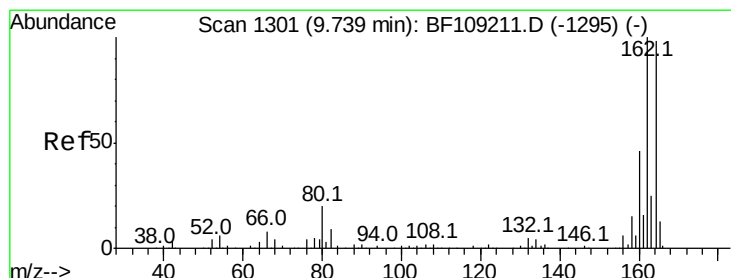
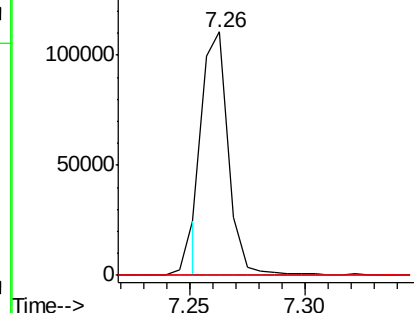
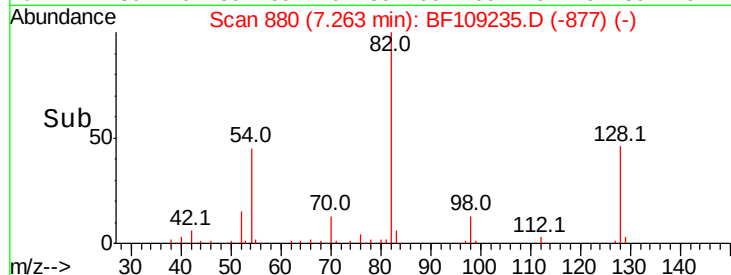
82 100

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: BF109235.D

Acq: 22 Sep 2018 21:28

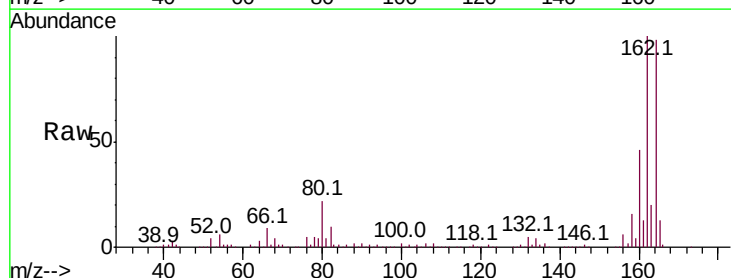
Tgt Ion:164 Resp: 206646

Ion Ratio Lower Upper

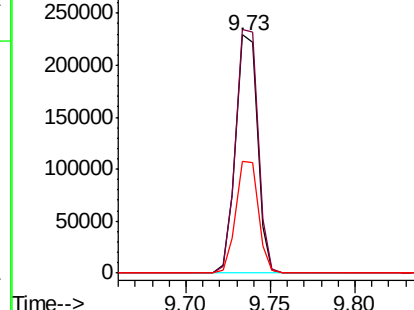
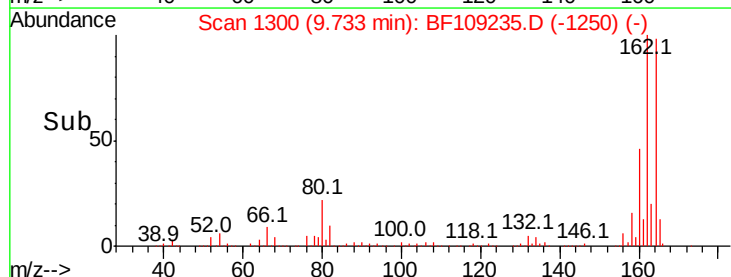
164 100

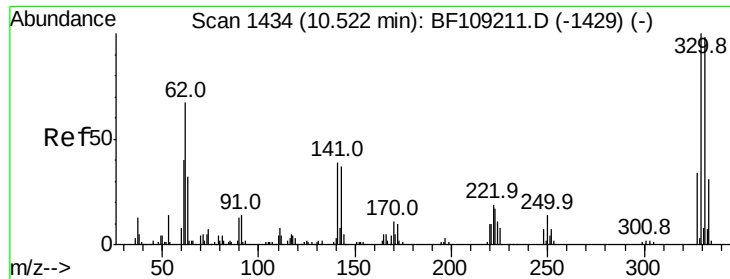
162 102.2 86.1 129.1

160 46.7 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

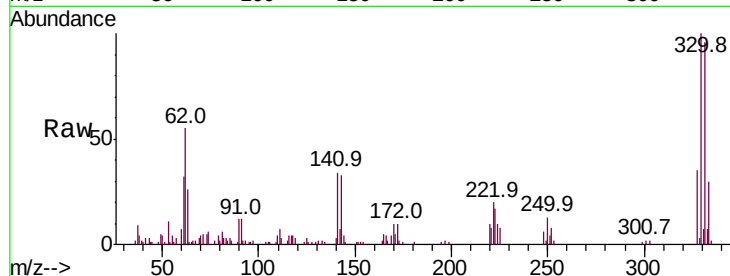




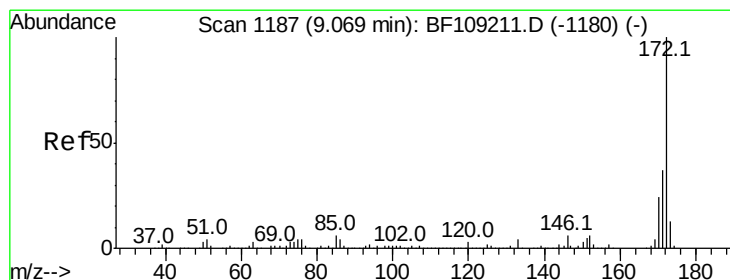
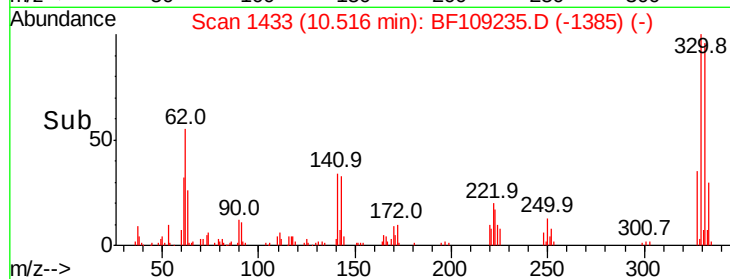
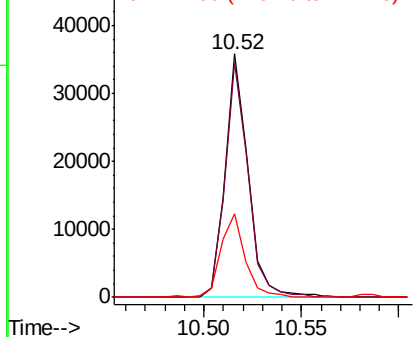
#41
 2,4,6-Tribromophenol
 Concen: 14.338 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109235.D
 Acq: 22 Sep 2018 21:28

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	36.8	29.9	44.9

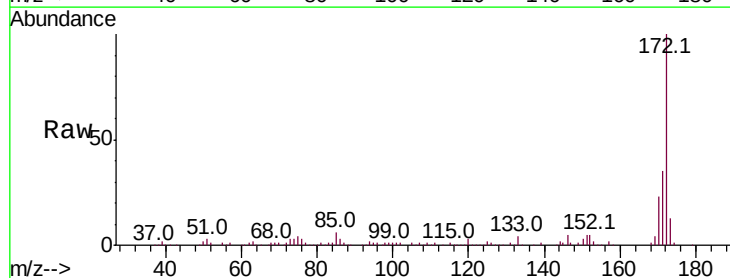


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

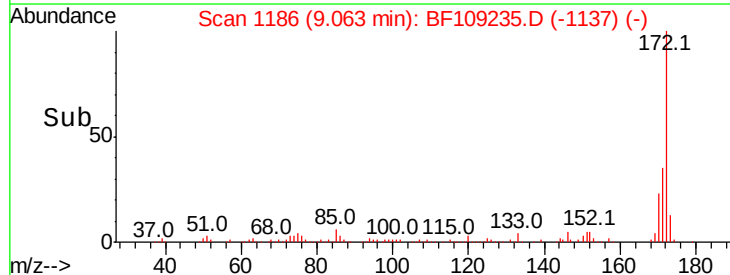
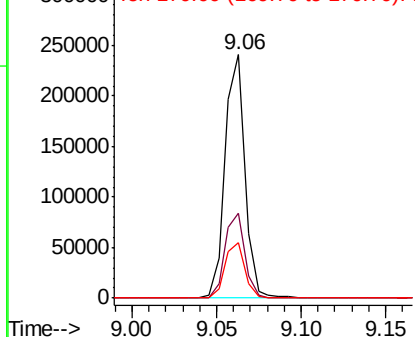


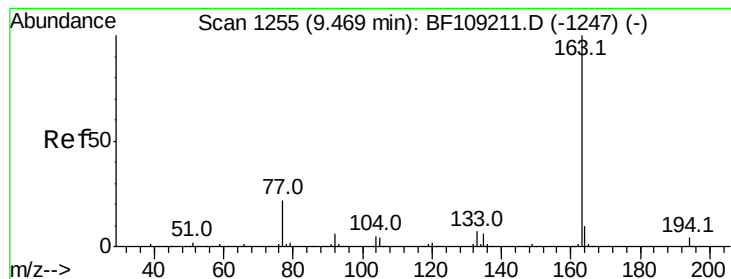
#44
 2-Fluorobiphenyl
 Concen: 14.429 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109235.D
 Acq: 22 Sep 2018 21:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	22.6	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: 2.469 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109235.D

Acq: 22 Sep 2018 21:28

Instrument :

BNA_F

ClientSampled :

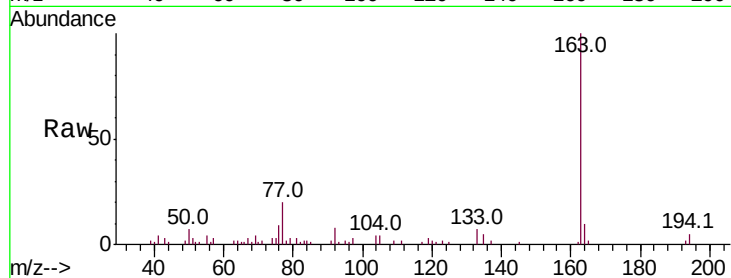
Tot Ion:163 Resp: 37108

Ion Ratio Lower Upper

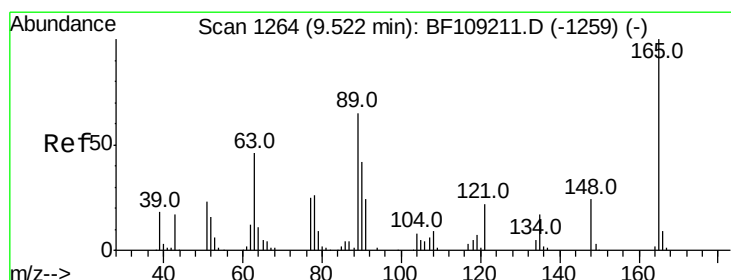
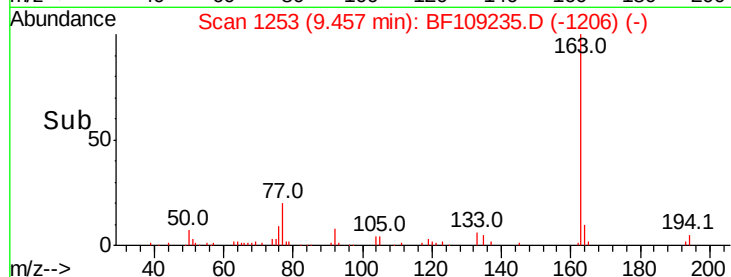
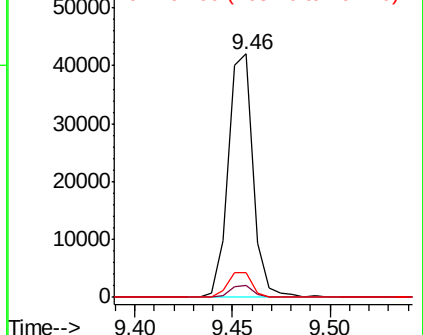
163 100

194 5.0 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



#50

2,6-Dinitrotoluene

Concen: 9.093 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.20 min

Lab File: BF109235.D

Acq: 22 Sep 2018 21:28

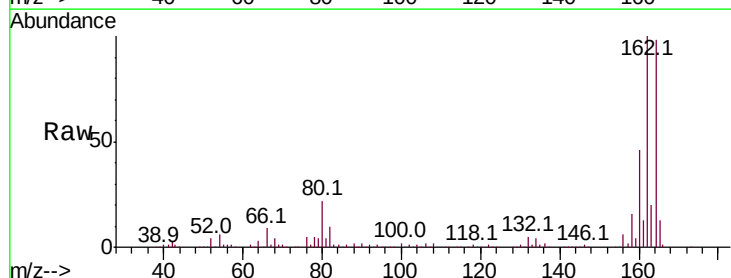
Tgt Ion:165 Resp: 27069

Ion Ratio Lower Upper

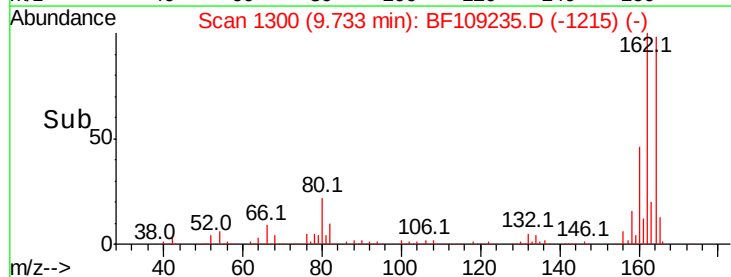
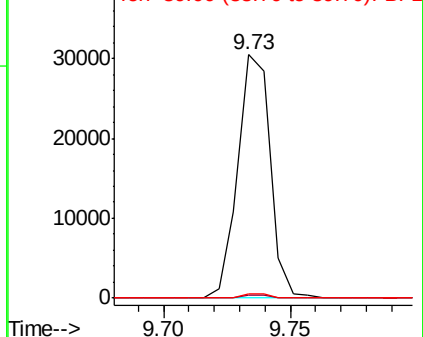
165 100

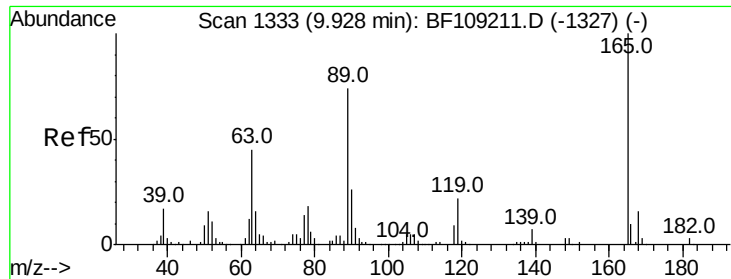
63 1.1 44.7 67.1#

89 1.6 44.0 66.0#



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

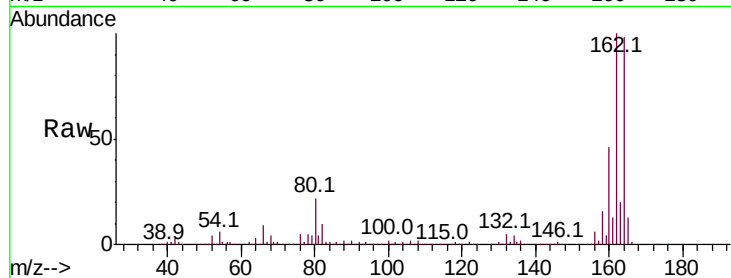




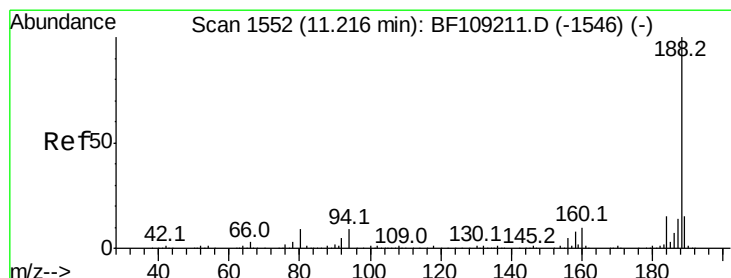
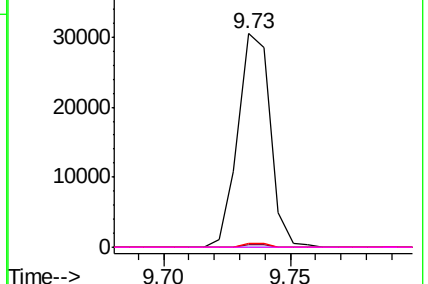
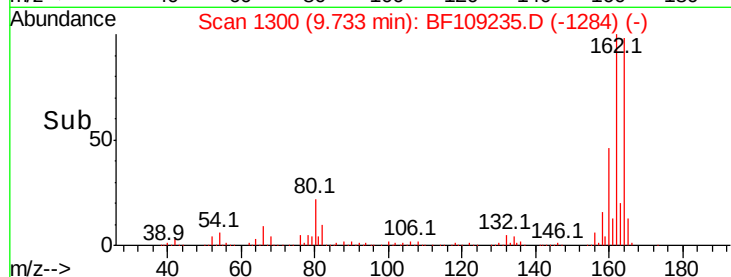
#56
 2,4-Dinitrotoluene
 Concen: 7.187 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF109235.D
 Acq: 22 Sep 2018 21:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	27069
Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

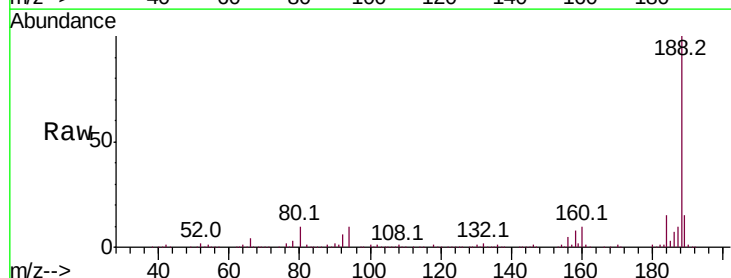


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

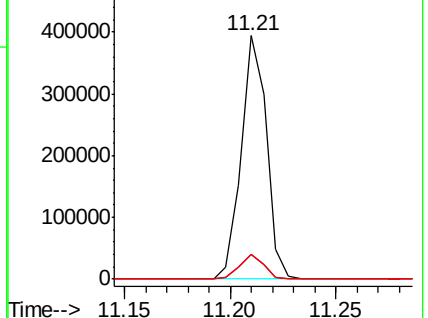
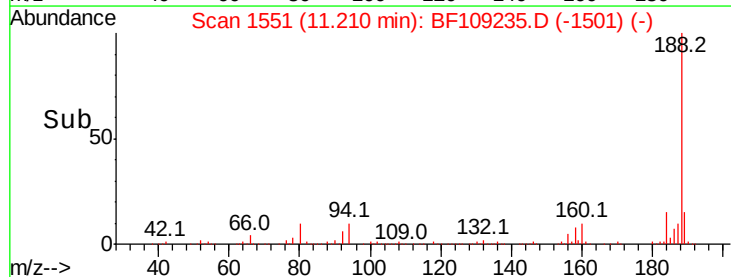


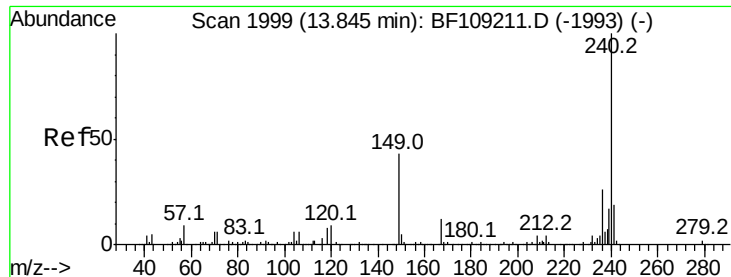
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109235.D
 Acq: 22 Sep 2018 21:28

Tgt Ion:	188	Resp:	326298
Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.2	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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF109235.D

Acq: 22 Sep 2018 21:28

Instrument :

BNA_F

ClientSampleId :

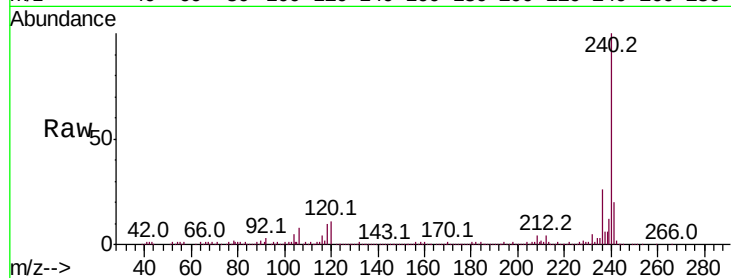
Tot Ion:240 Resp: 247174

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

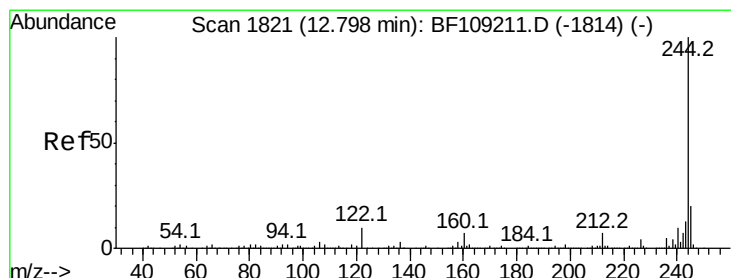
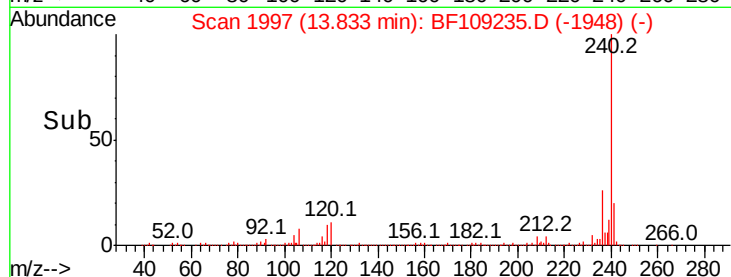
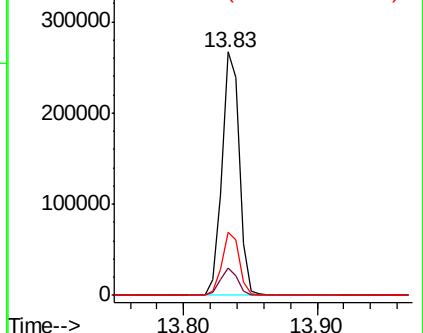
236 25.7 20.7 31.1



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



#78

Terphenyl-d14

Concen: 13.336 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109235.D

Acq: 22 Sep 2018 21:28

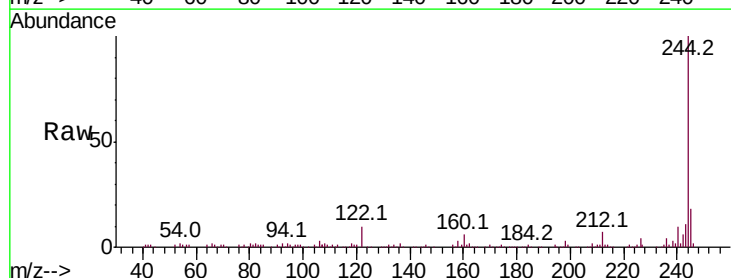
Tgt Ion:244 Resp: 134315

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

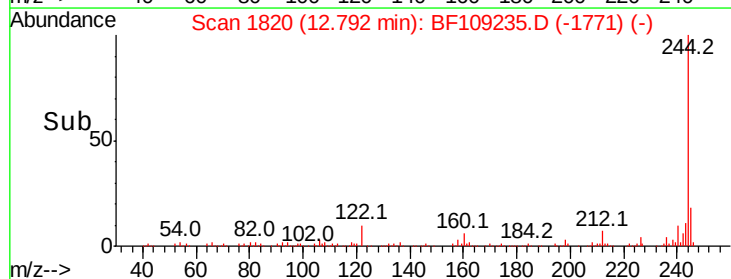
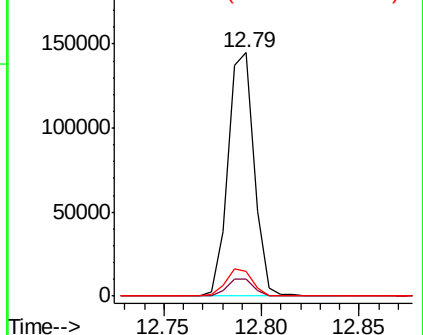
122 10.3 11.0 16.4#

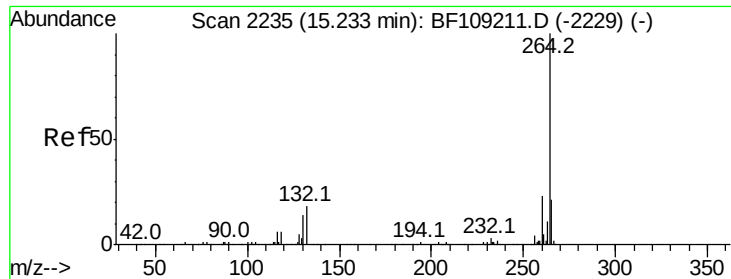


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

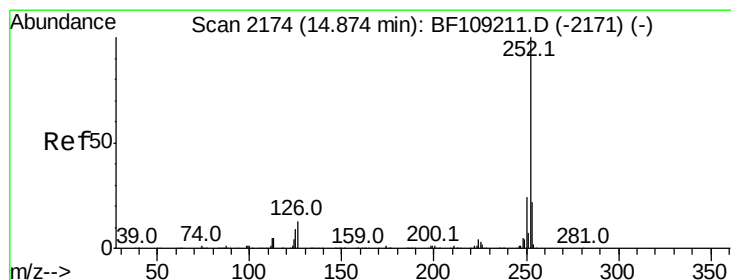
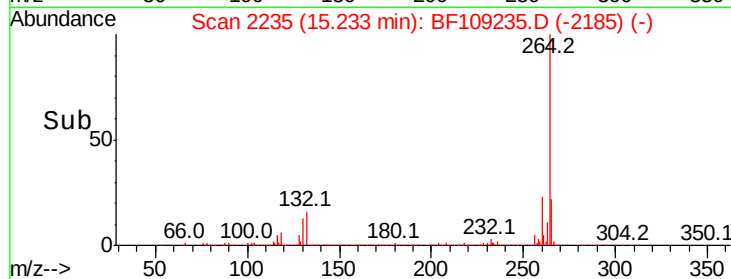
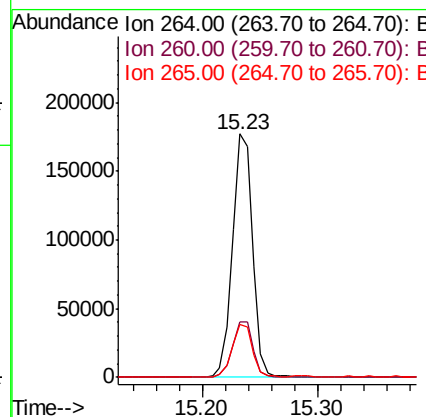
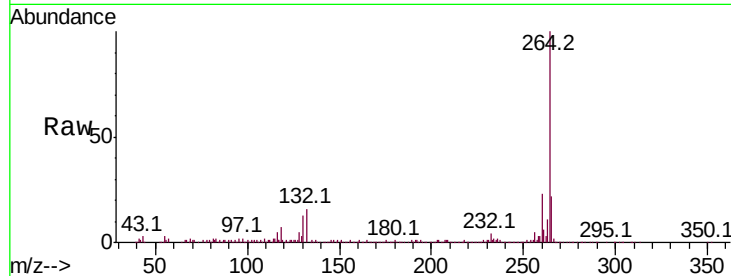




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF109235.D
Acq: 22 Sep 2018 21:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.9	17.5	26.3



#88
Benzo(k)fluoranthene
Concen: 2.022 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF109235.D
Acq: 22 Sep 2018 21:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.9	26.9
125	18.7	10.2	15.2#

