

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\
 Data File : BF109980.D
 Acq On : 19 Oct 2018 1:02
 Operator : JU/SJ
 Sample : J5570-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

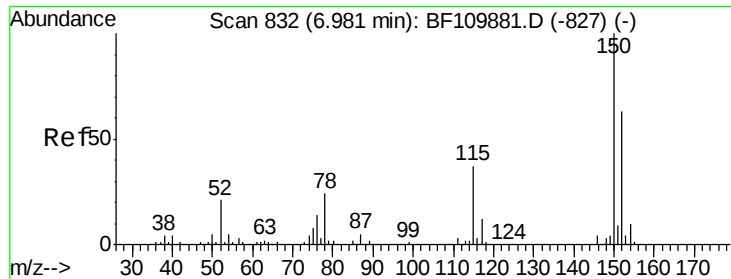
Quant Time: Oct 19 02:27:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	229103	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	872265	20.00	ng	-0.01
39) Acenaphthene-d10	10.02	164	386096	20.00	ng	-0.01
64) Phenanthrene-d10	11.51	188	617949	20.00	ng	0.00
76) Chrysene-d12	14.15	240	432967	20.00	ng	-0.01
87) Perylene-d12	15.68	264	412376	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1738374	120.28	ng	0.01
7) Phenol-d6	6.60	99	2199802	122.57	ng	0.00
23) Nitrobenzene-d5	7.54	82	1419518	109.63	ng	-0.01
42) 2,4,6-Tribromophenol	10.81	330	455613	136.30	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	2107873	87.11	ng	0.00
79) Terphenyl-d14	13.10	244	1506687	73.08	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	41255	3.537	ng	83
10) Phenol	6.62	94	245562	12.673	ng	# 59
19) n-Nitroso-di-n-propylamine	7.54	70	190798	16.557	ng	# 79
25) Isophorone	7.54	82	1419480	55.792	ng	# 67
50) Dimethylphthalate	9.72	163	362916	13.275	ng	100
57) 2,4-Dinitrotoluene	10.02	165	49355	11.389	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.81	198	936	8.254	ng	# 1
67) 4-Bromophenyl-phenylether	10.81	248	28345	4.233	ng	# 1
71) Phenanthrene	11.53	178	77592	2.425	ng	99
75) Fluoranthene	12.72	202	168489	5.272	ng	99
78) Pyrene	12.95	202	133825	4.208	ng	98
81) Benzo(a)anthracene	14.14	228	52125	2.044	ng	99
83) Chrysene	14.17	228	67407	2.777	ng	98
88) Benzo(b)fluoranthene	15.22	252	121254	5.100	ng	# 92
89) Benzo(k)fluoranthene	15.22	252	121254	5.174	ng	# 92
90) Benzo(a)pyrene	15.61	252	54162	2.477	ng	# 97

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

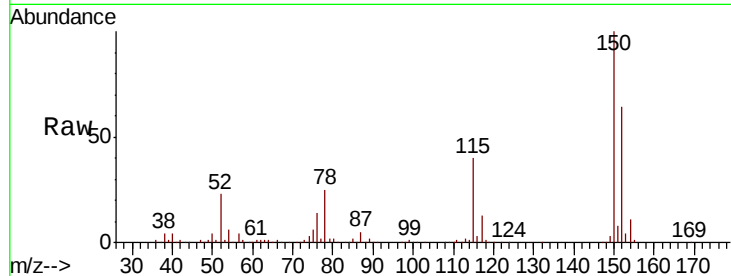


#1

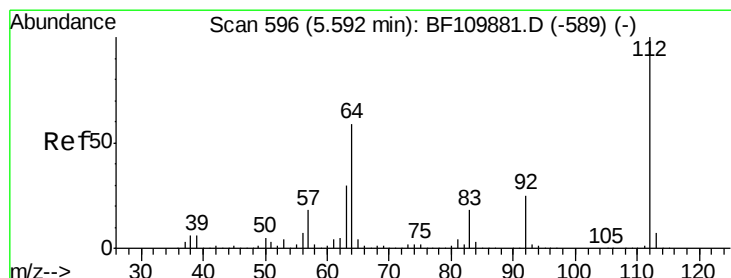
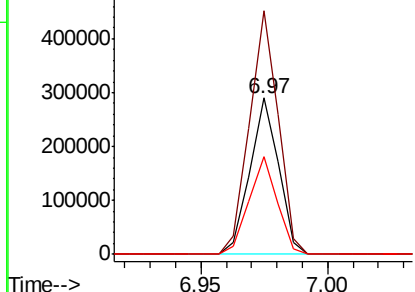
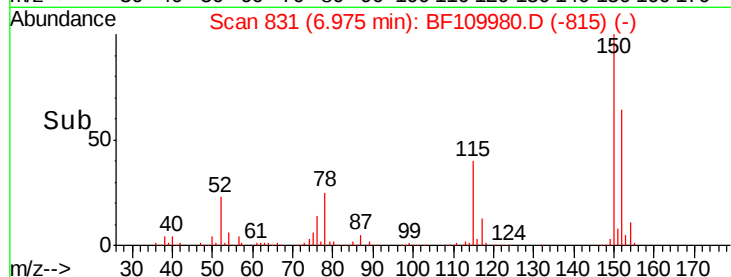
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109980.D
Acq: 19 Oct 2018 1:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 229103
Ion Ratio Lower Upper
152 100
150 155.9 122.7 184.1
115 62.8 49.1 73.7



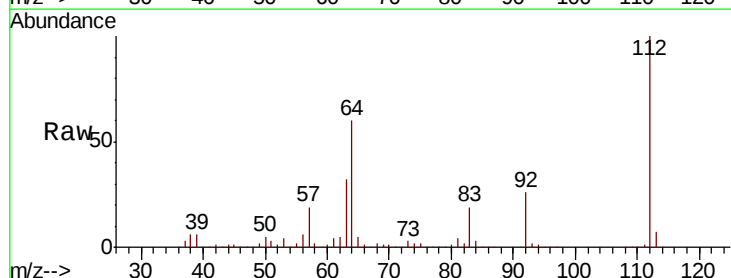
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



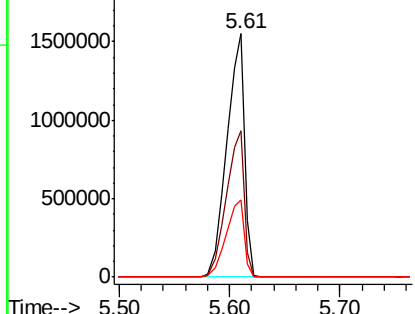
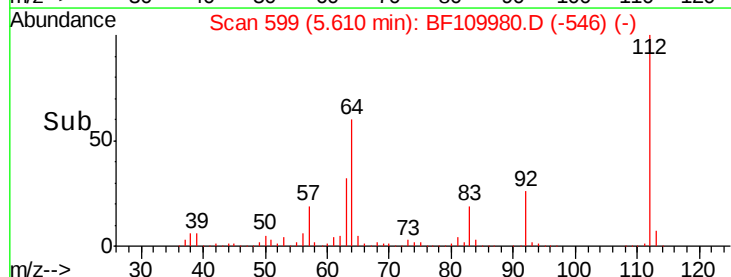
#5

2-Fluorophenol
Concen: 120.276 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.01 min
Lab File: BF109980.D
Acq: 19 Oct 2018 1:02

Tgt Ion:112 Resp: 1738374
Ion Ratio Lower Upper
112 100
64 59.9 44.1 66.1
63 32.0 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: 122.572 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF109980.D

Acq: 19 Oct 2018 1:02

Instrument :

BNA_F

ClientSampleId :

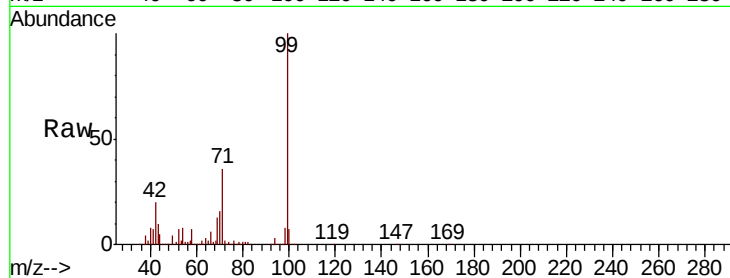
Tot Ion: 99 Resp: 2199802

Ion Ratio Lower Upper

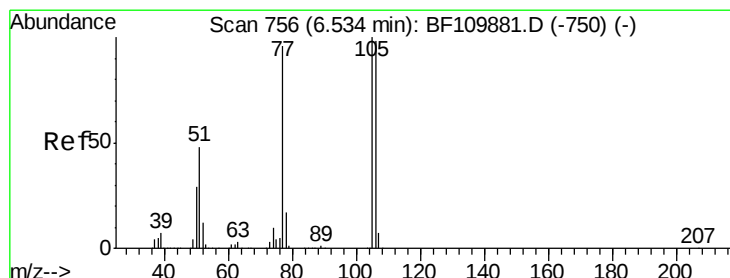
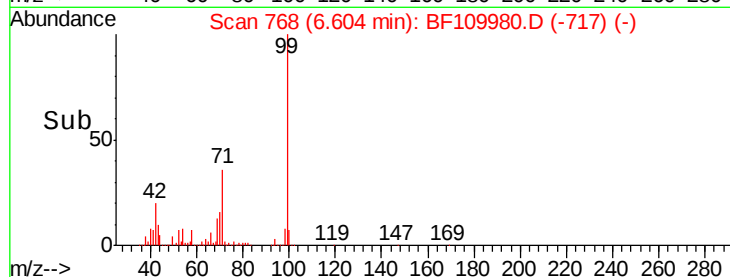
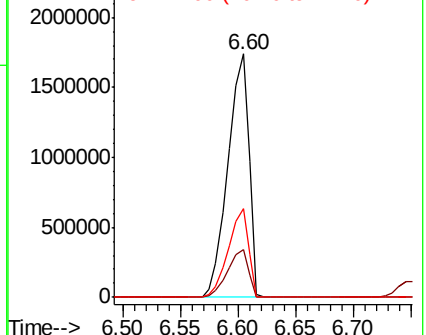
99 100

42 19.5 15.8 23.6

71 36.3 28.0 42.0



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



#9

Benzaldehyde

Concen: 3.537 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.22 min

Lab File: BF109980.D

Acq: 19 Oct 2018 1:02

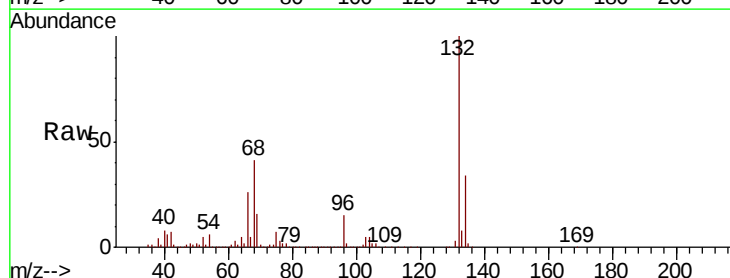
Tgt Ion: 77 Resp: 41255

Ion Ratio Lower Upper

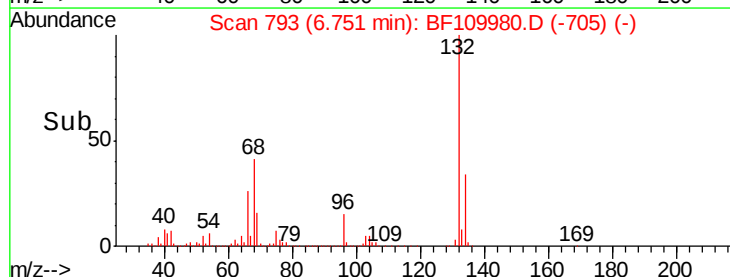
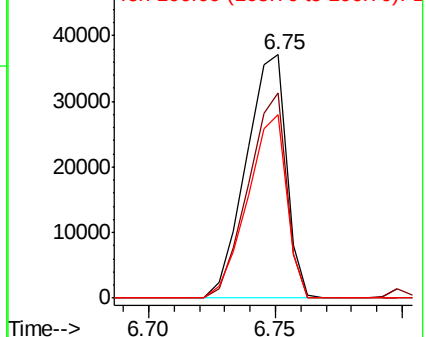
77 100

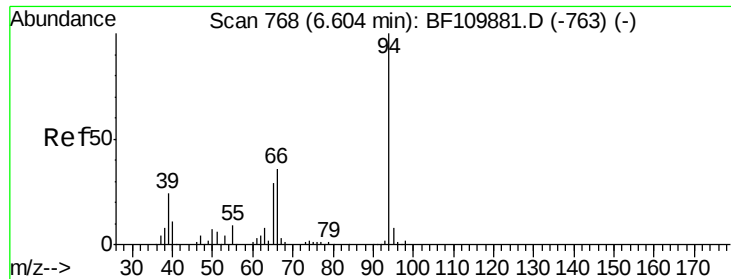
105 84.2 78.6 118.6

106 75.3 74.8 114.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 12.673 ng

RT: 6.62 min Scan# 770

Delta R.T. -0.00 min

Lab File: BF109980.D

Acq: 19 Oct 2018 1:02

Instrument :

BNA_F

ClientSampled :

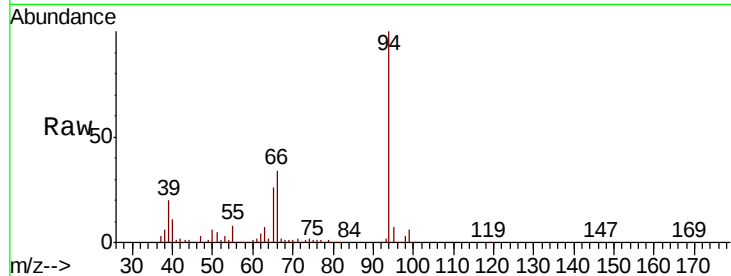
Tot Ion: 94 Resp: 245562

Ion Ratio Lower Upper

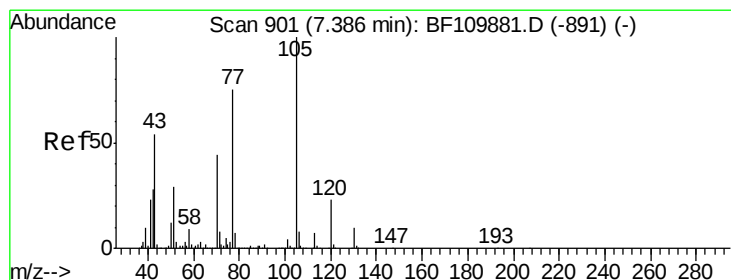
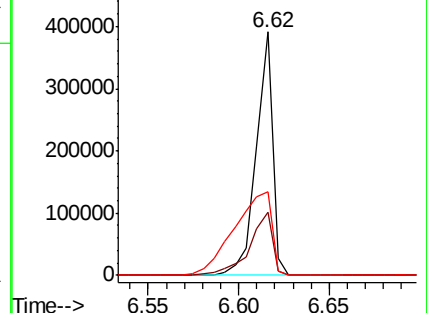
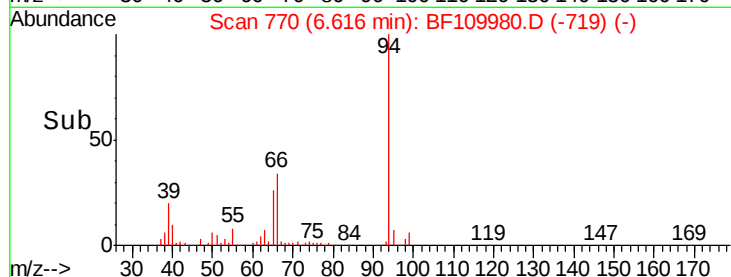
94 100

65 26.0 25.3 65.3

66 34.4 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 16.557 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF109980.D

Acq: 19 Oct 2018 1:02

Tgt Ion: 70 Resp: 190798

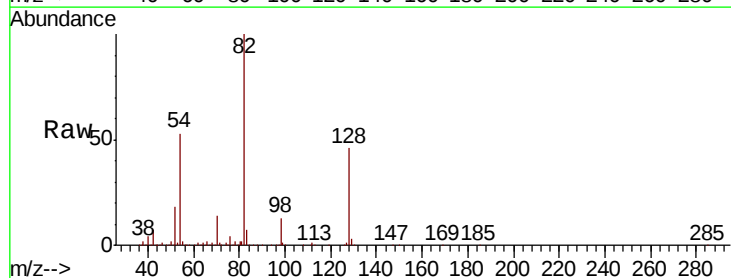
Ion Ratio Lower Upper

70 100

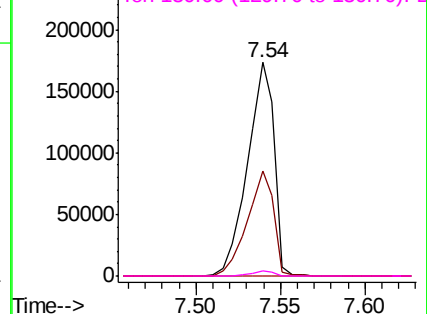
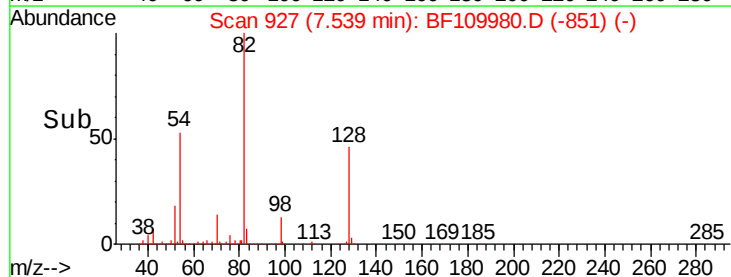
42 49.0 47.4 71.2

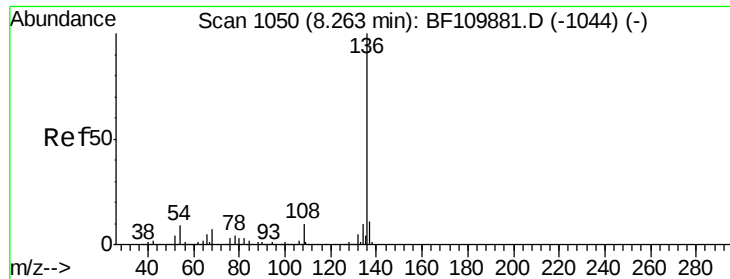
101 0.0 7.3 10.9#

130 2.3 16.2 24.2#



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: 8.26 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF109980.D

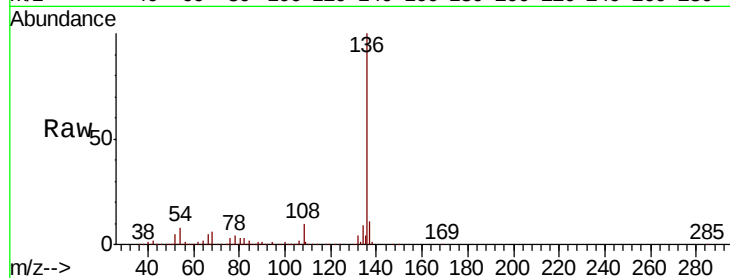
Acq: 19 Oct 2018 1:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	872265
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.8 13.2
54	8.3	5.4 8.2#
68	5.9	4.2 6.2

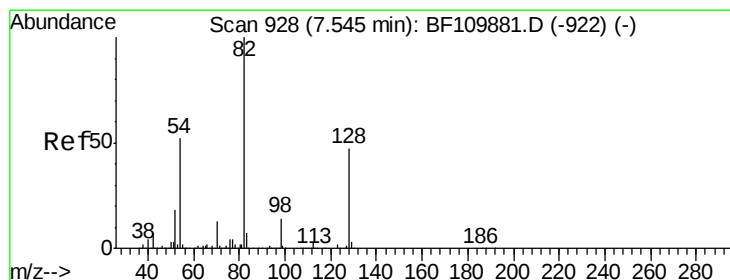
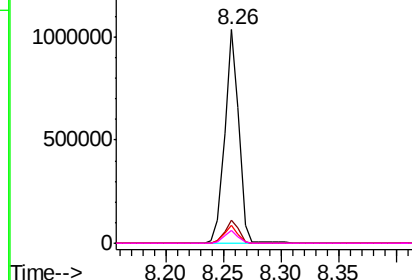
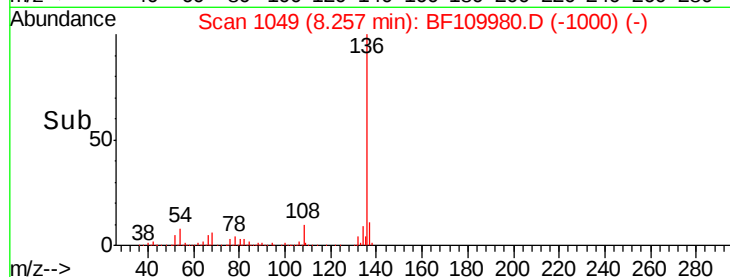


Abundance Ion 136.00 (135.70 to 136.70): E

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: 109.628 ng

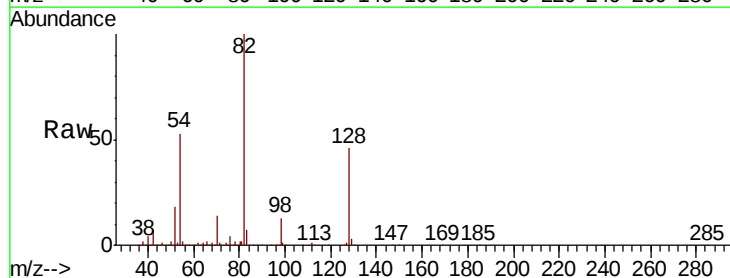
RT: 7.54 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF109980.D

Acq: 19 Oct 2018 1:02

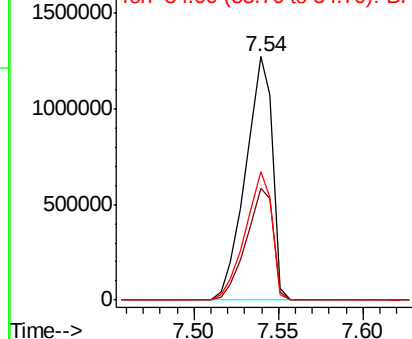
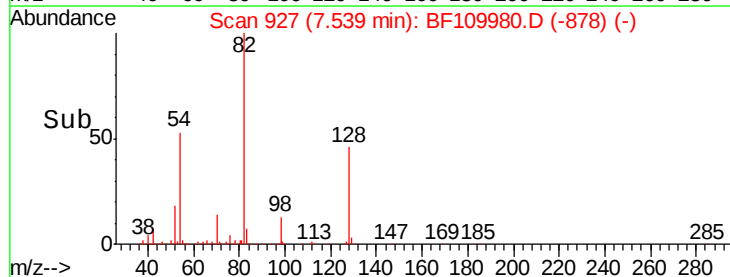
Tgt Ion: 82	Resp:	1419518
Ion Ratio	Lower	Upper
82	100	
128	45.8	34.2 51.2
54	53.0	38.6 58.0

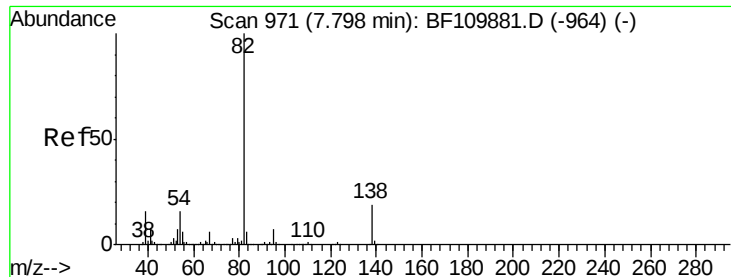


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 55.792 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.26 min

Lab File: BF109980.D

Acq: 19 Oct 2018 1:02

Instrument :

BNA_F

ClientSampleId :

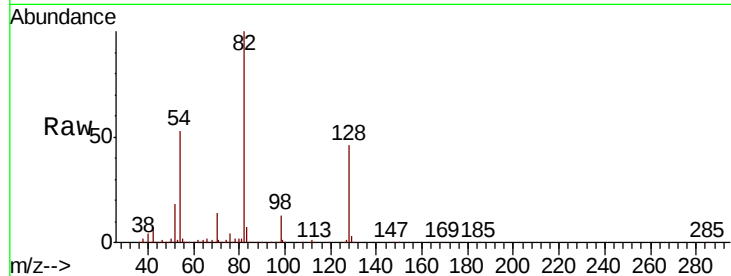
Tot Ion: 82 Resp: 1419480

Ion Ratio Lower Upper

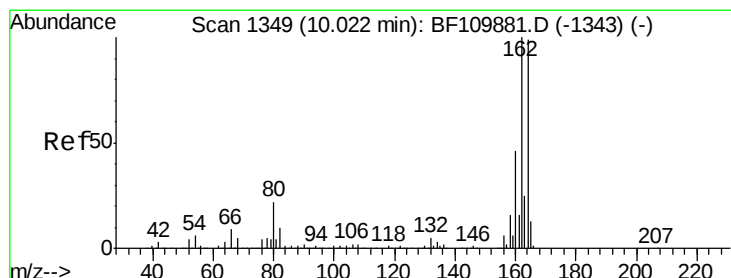
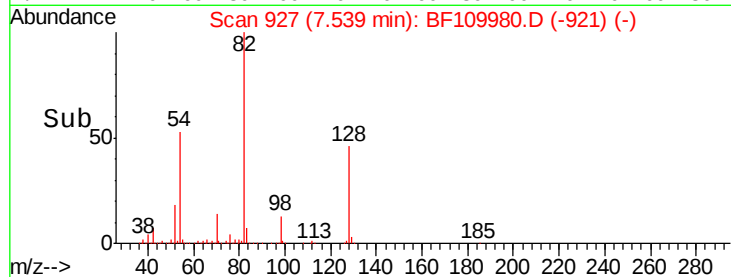
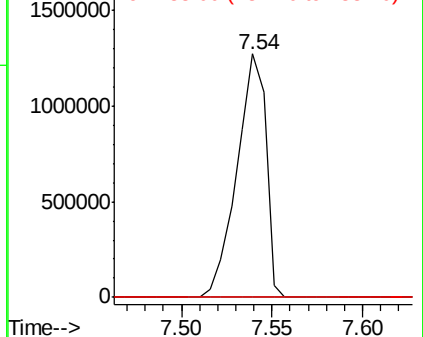
82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF109980.D

Acq: 19 Oct 2018 1:02

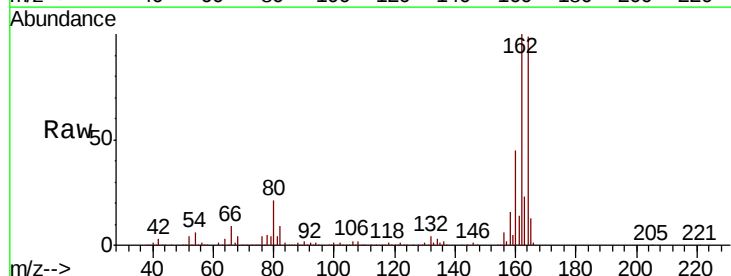
Tgt Ion: 164 Resp: 386096

Ion Ratio Lower Upper

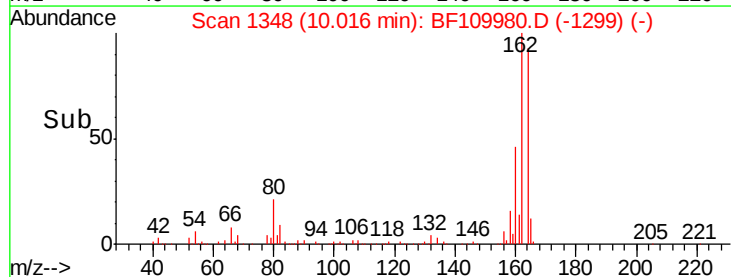
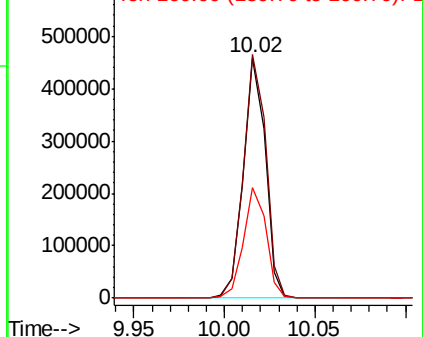
164 100

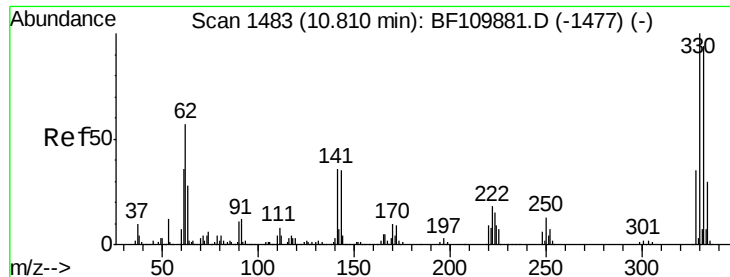
162 101.4 83.0 124.6

160 46.0 37.0 55.6



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

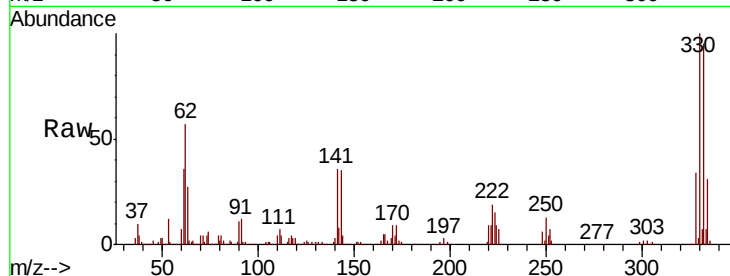




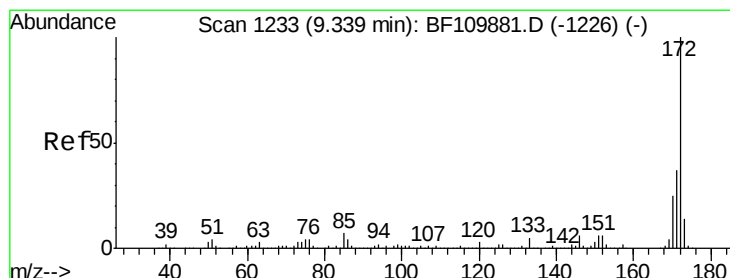
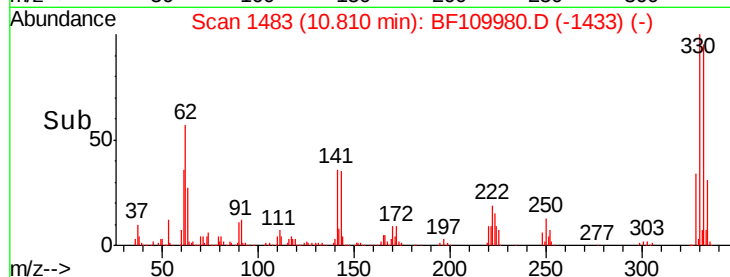
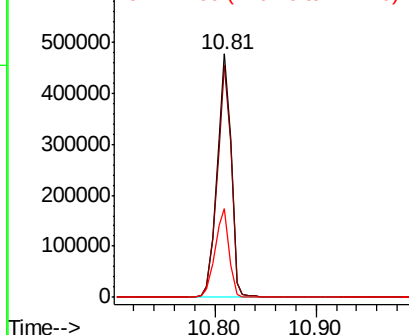
#42
 2,4,6-Tribromophenol
 Concen: 136.300 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: BF109980.D
 Acq: 19 Oct 2018 1:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 455613
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.1 115.7
 141 36.5 27.0 40.4

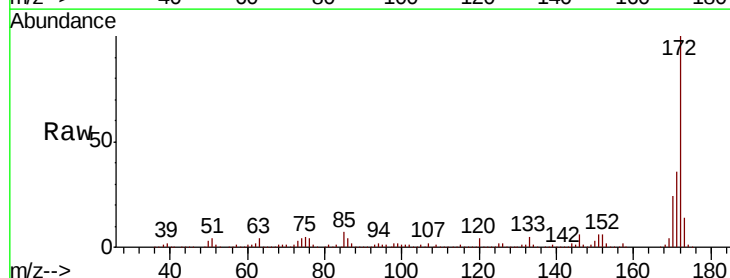


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

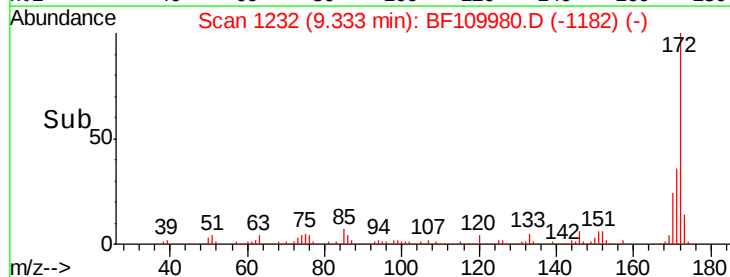
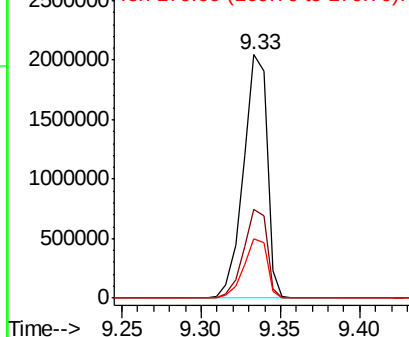


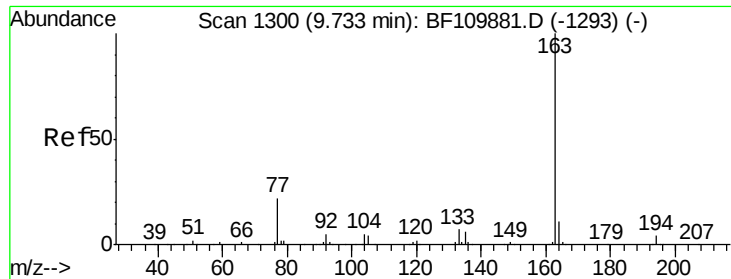
#45
 2-Fluorobiphenyl
 Concen: 87.114 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF109980.D
 Acq: 19 Oct 2018 1:02

Tgt Ion:172 Resp: 2107873
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 43.0
 170 24.2 19.7 29.5



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

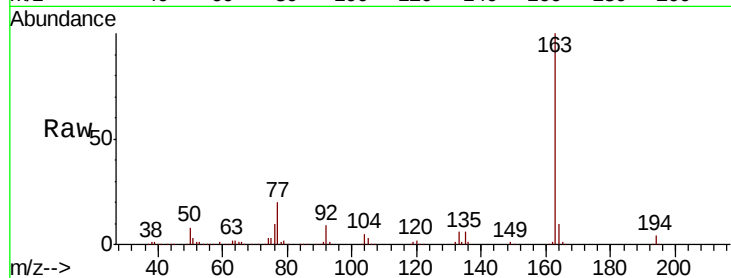




#50
Dimethylphthalate
Concen: 13.275 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF109980.D
Acq: 19 Oct 2018 1:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	163	Resp	362916
Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	10.0	8.1	12.1

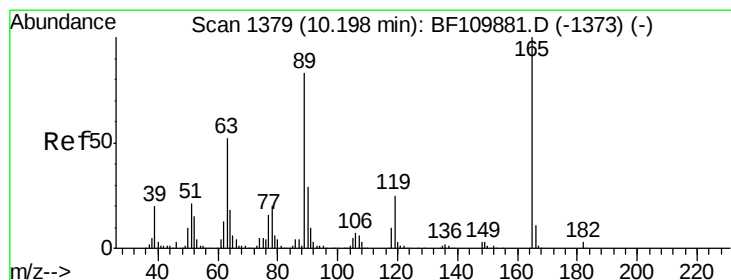
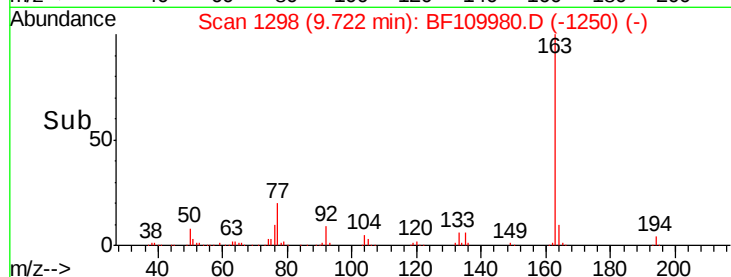
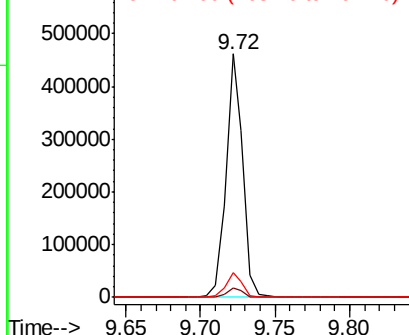


Abundance

Ion 163.00 (162.70 to 163.70): E

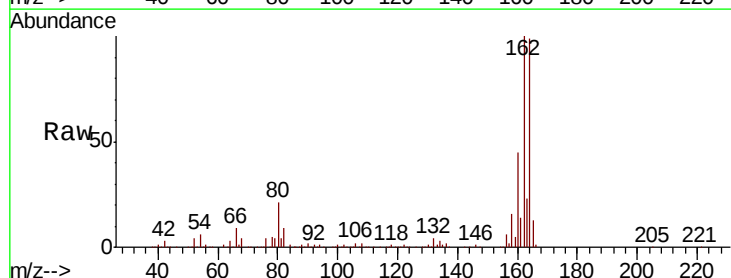
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 11.389 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.19 min
Lab File: BF109980.D
Acq: 19 Oct 2018 1:02

Tgt Ion	165	Resp	49355
Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.8	67.2#
89	1.6	62.2	93.4#
182	0.0	2.1	3.1#



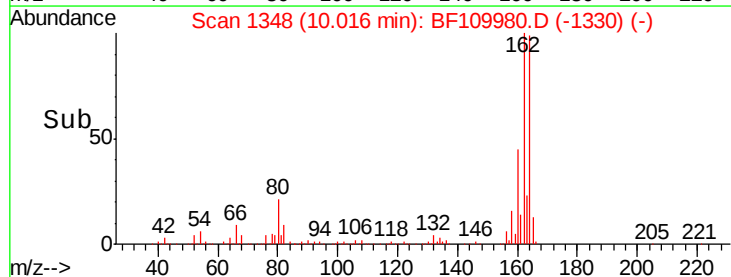
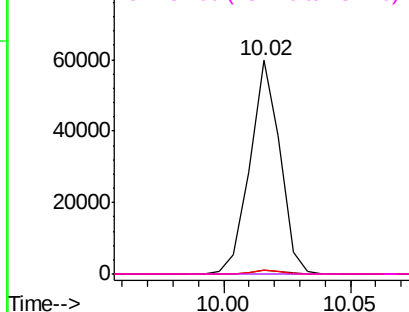
Abundance

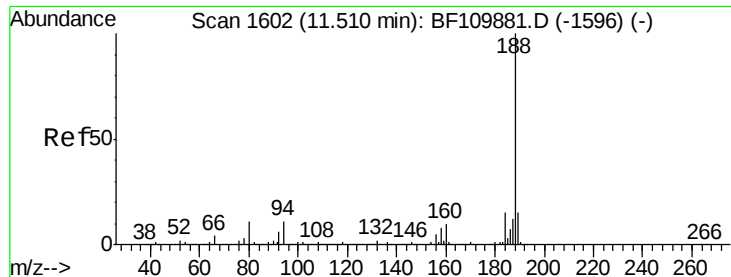
Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BF109980.D

Acq: 19 Oct 2018 1:02

Instrument :

BNA_F

ClientSampled :

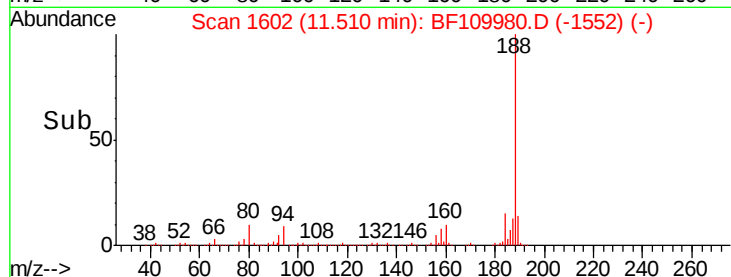
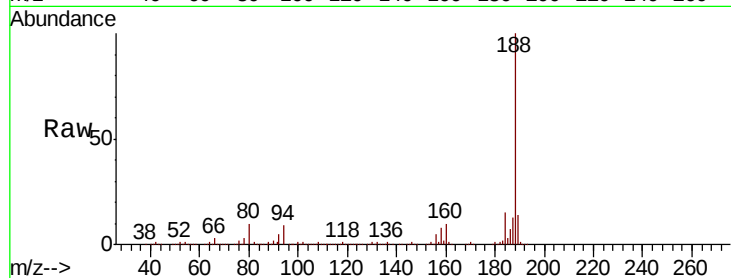
Tot Ion:188 Resp: 617949

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

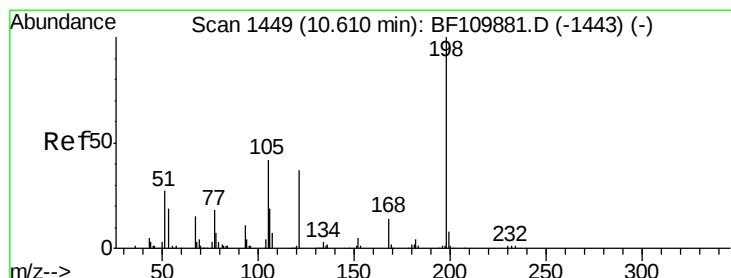
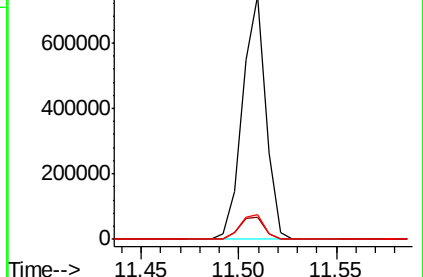
80 9.9 7.9 11.9



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.254 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.19 min

Lab File: BF109980.D

Acq: 19 Oct 2018 1:02

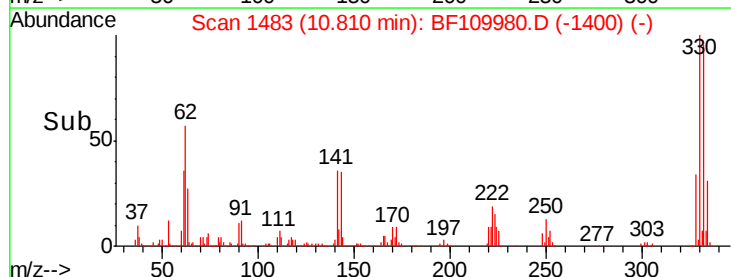
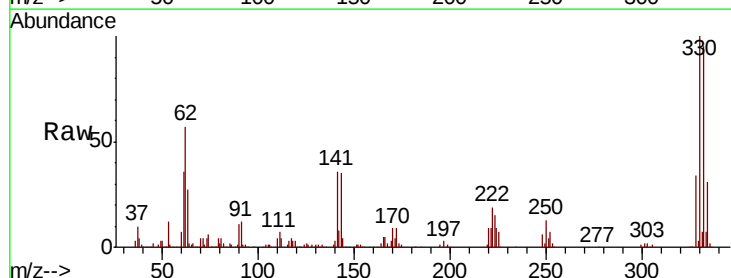
Tgt Ion:198 Resp: 936

Ion Ratio Lower Upper

198 100

51 181.3 22.8 62.8#

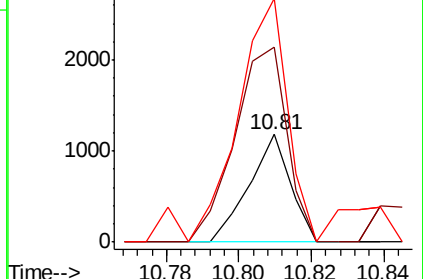
105 226.5 23.6 63.6#

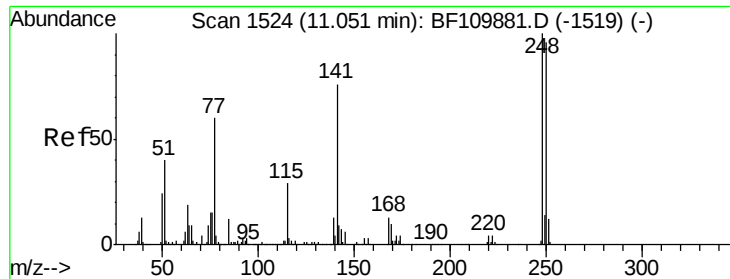


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

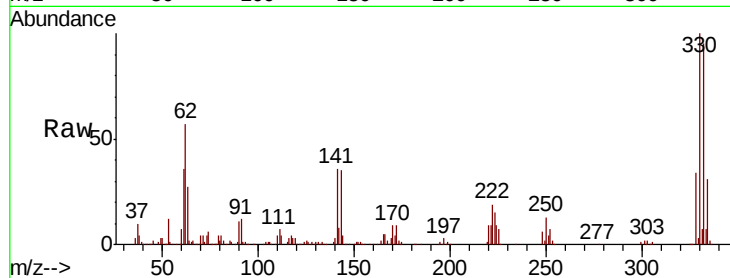




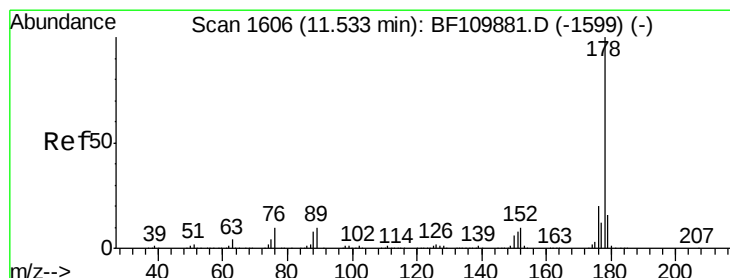
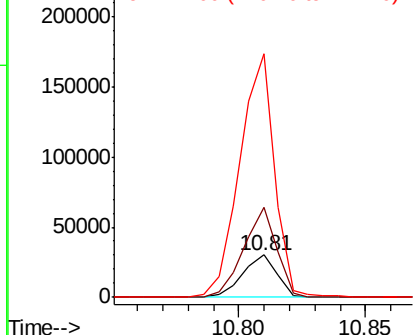
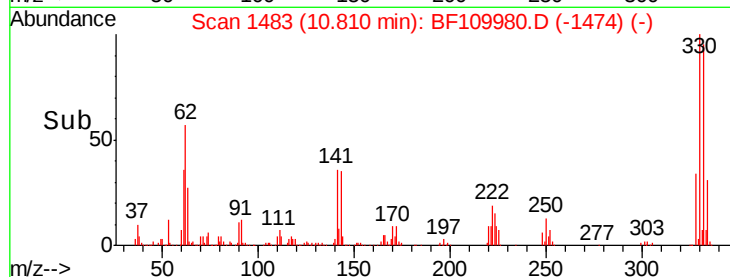
#67
4-Bromophenyl-phenylether
Concen: 4.233 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.25 min
Lab File: BF109980.D
Acq: 19 Oct 2018 1:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 28345
Ion Ratio Lower Upper
248 100
250 212.0 79.4 119.2#
141 571.3 55.9 83.9#

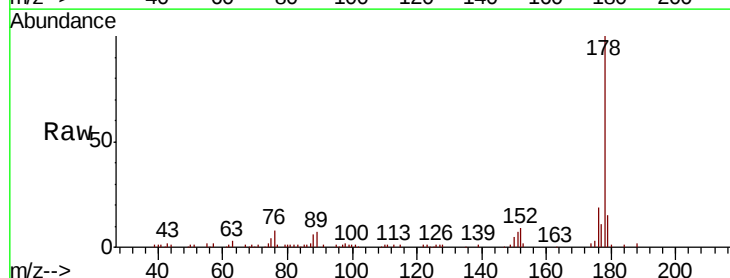


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

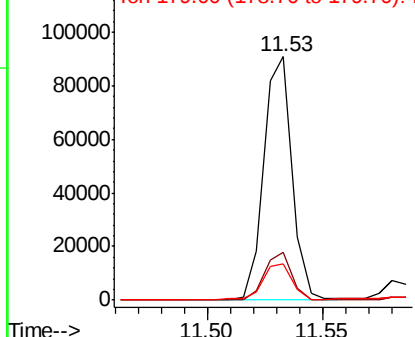
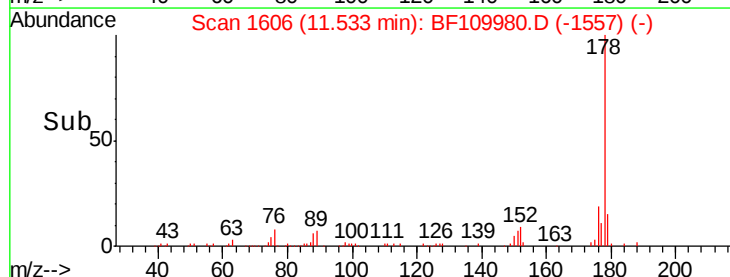


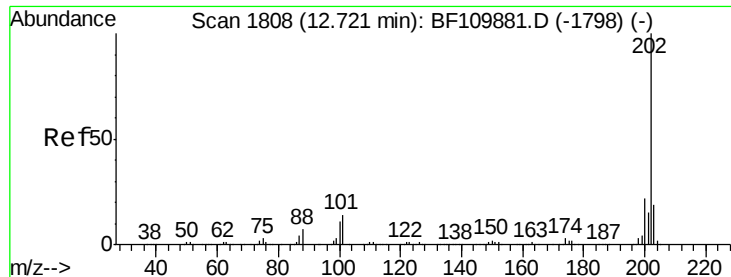
#71
Phenanthrene
Concen: 2.425 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF109980.D
Acq: 19 Oct 2018 1:02

Tgt Ion:178 Resp: 77592
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 14.7 12.5 18.7



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





#75

Fluoranthene

Concen: 5.272 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF109980.D

Acq: 19 Oct 2018 1:02

Instrument :

BNA_F

ClientSampled :

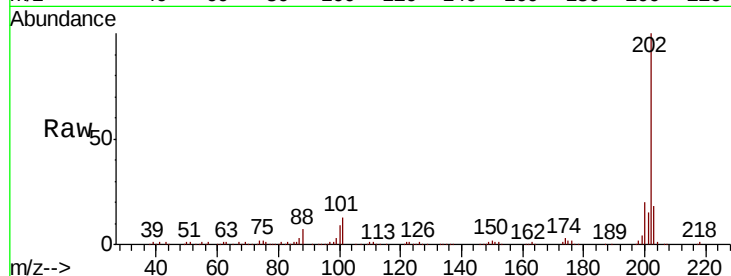
Tot Ion:202 Resp: 168489

Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.4

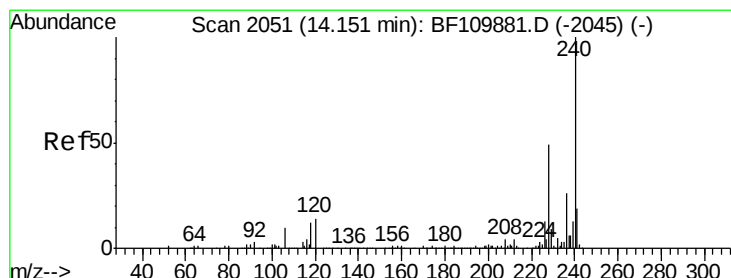
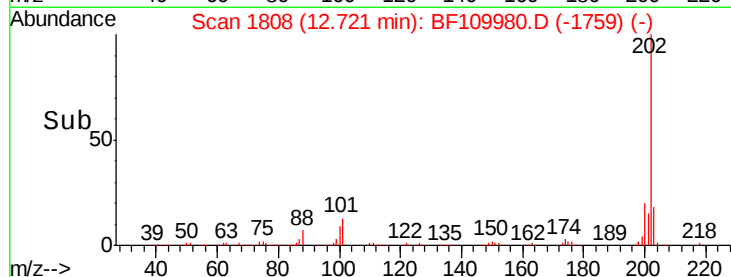
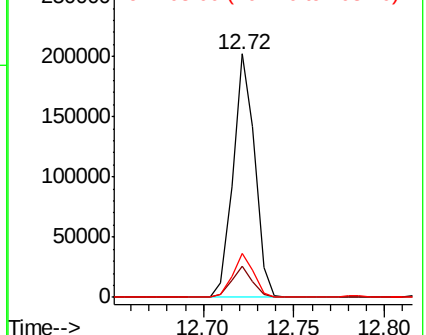
203 17.8 0.0 37.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF109980.D

Acq: 19 Oct 2018 1:02

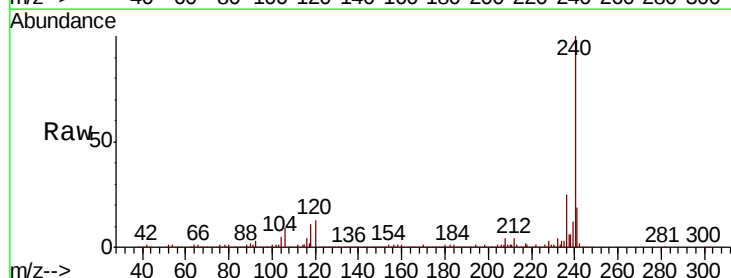
Tgt Ion:240 Resp: 432967

Ion Ratio Lower Upper

240 100

120 13.1 8.3 12.5#

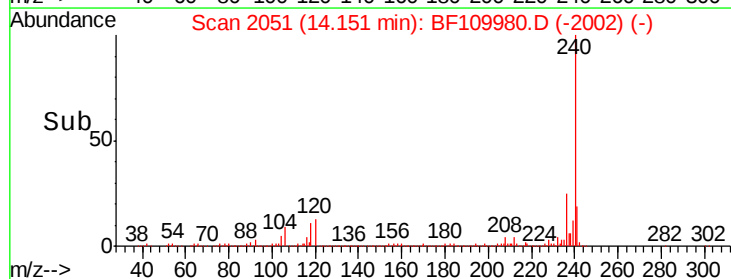
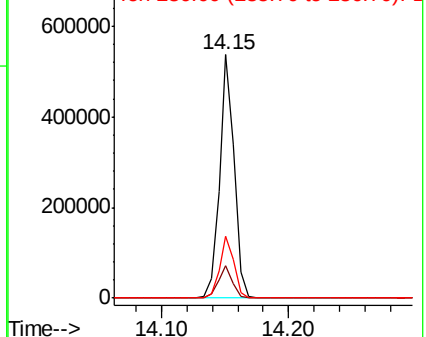
236 25.2 21.2 31.8

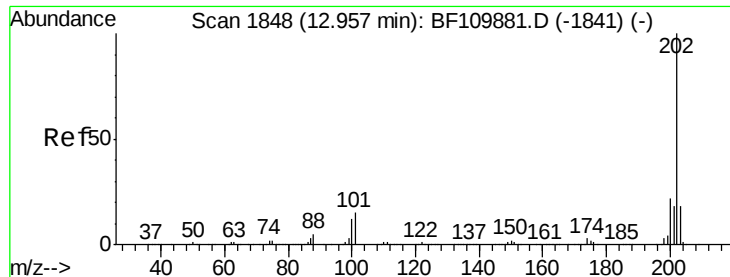


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

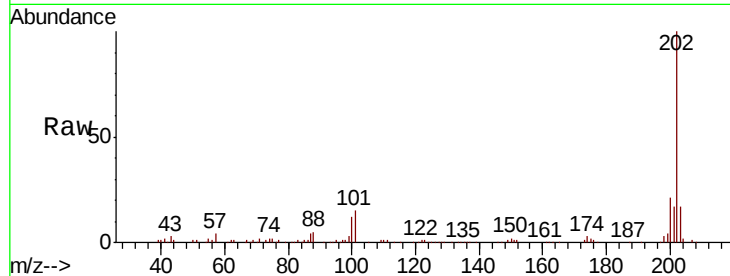




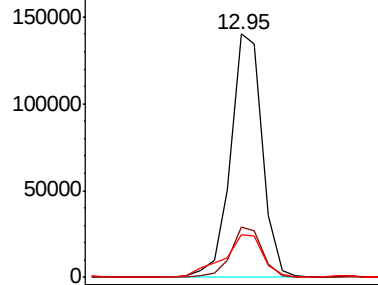
#78
Pvrene
Concen: 4.208 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF109980.D
Acq: 19 Oct 2018 1:02

Instrument :
BNA_F
ClientSampleId :

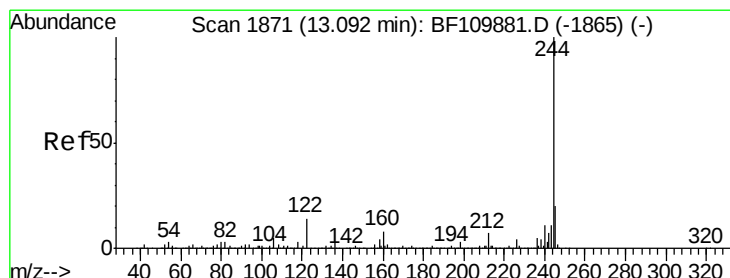
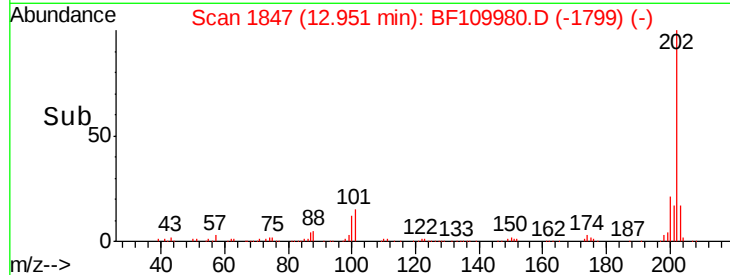
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.8	26.6
203	17.4	14.2	21.4



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

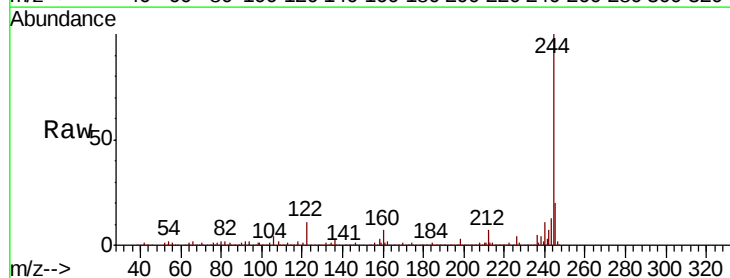


Time-->

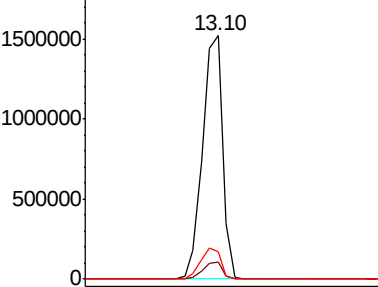


#79
Terphenyl-d14
Concen: 73.076 ng
RT: 13.10 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BF109980.D
Acq: 19 Oct 2018 1:02

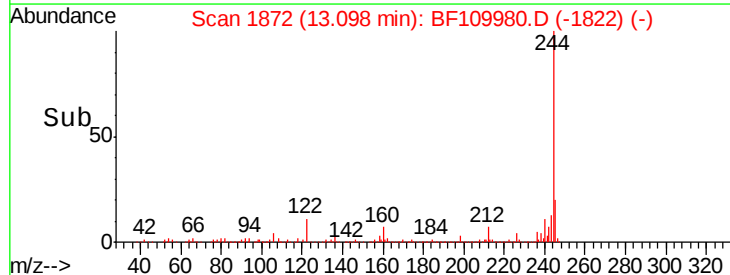
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	11.3	8.7	13.1

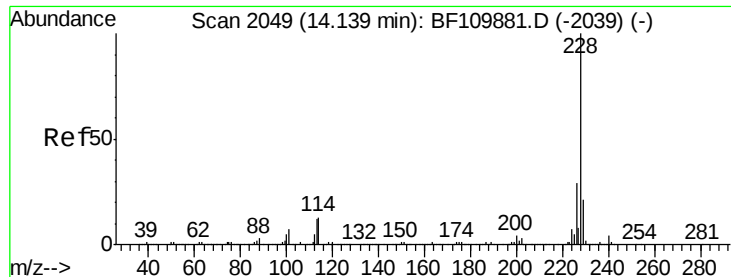


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





#81

Benzo(a)anthracene

Concen: 2.044 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF109980.D

Acq: 19 Oct 2018 1:02

Instrument :

BNA_F

ClientSampled :

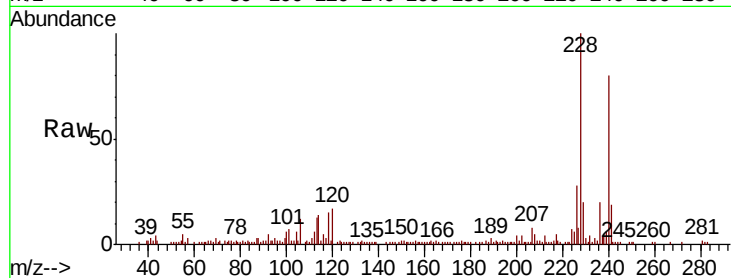
Tot Ion:228 Resp: 52125

Ion Ratio Lower Upper

228 100

226 27.7 22.1 33.1

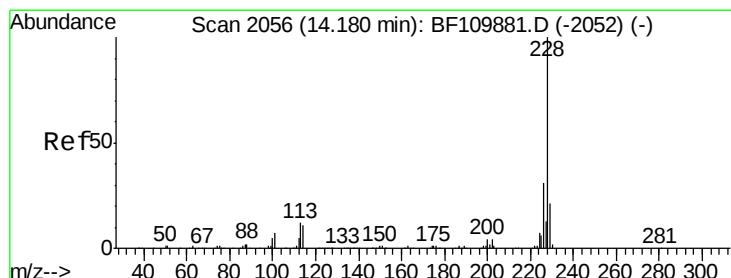
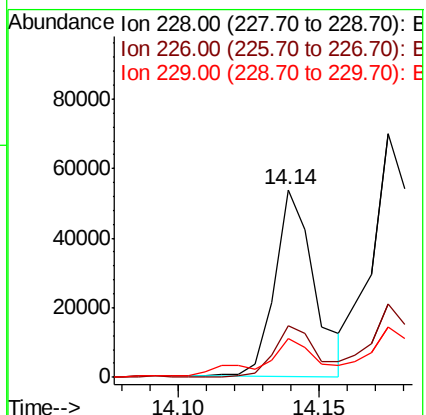
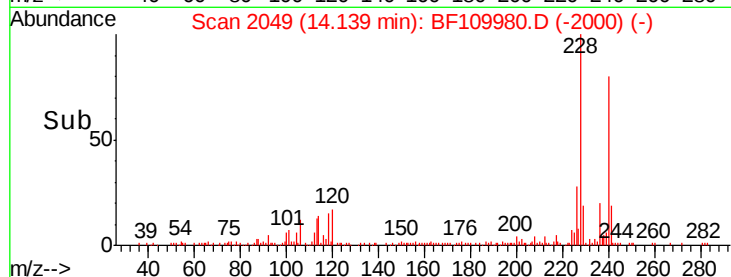
229 20.4 15.6 23.4



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



#83

Chrysene

Concen: 2.777 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.02 min

Lab File: BF109980.D

Acq: 19 Oct 2018 1:02

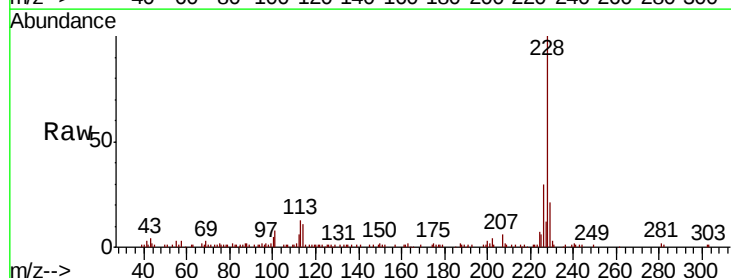
Tgt Ion:228 Resp: 67407

Ion Ratio Lower Upper

228 100

226 30.0 24.7 37.1

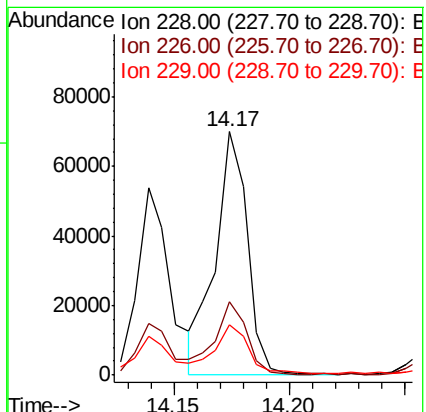
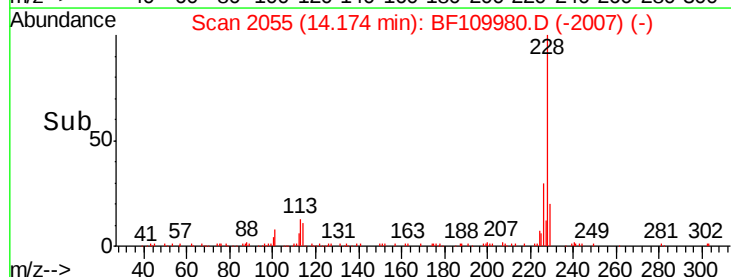
229 20.8 15.9 23.9

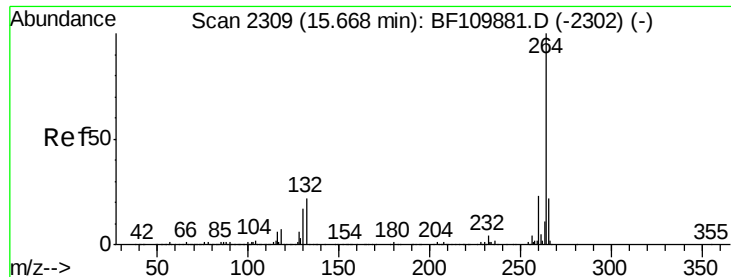


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

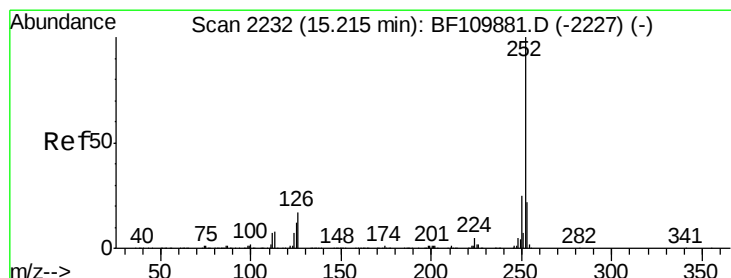
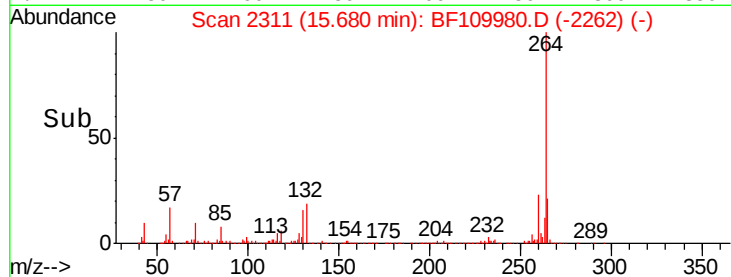
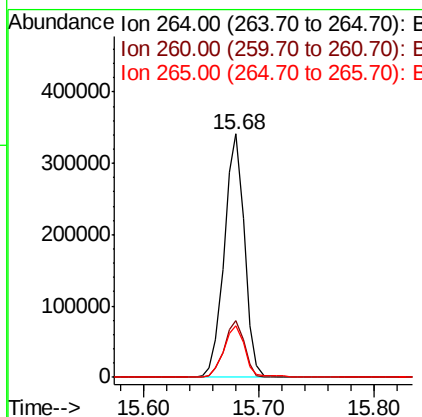
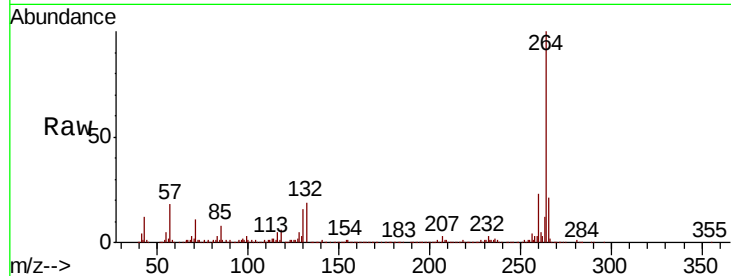




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BF109980.D
Acq: 19 Oct 2018 1:02

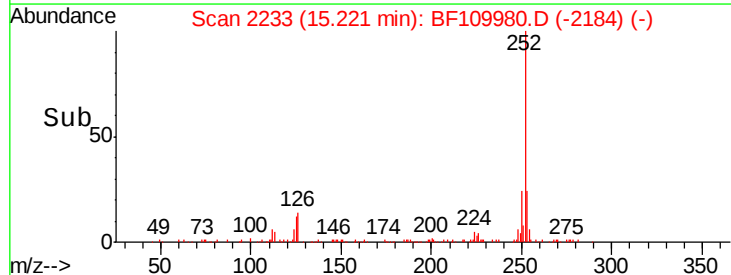
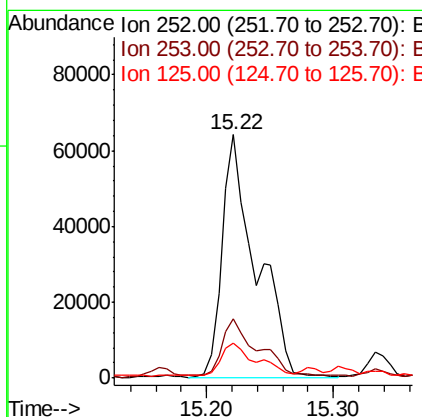
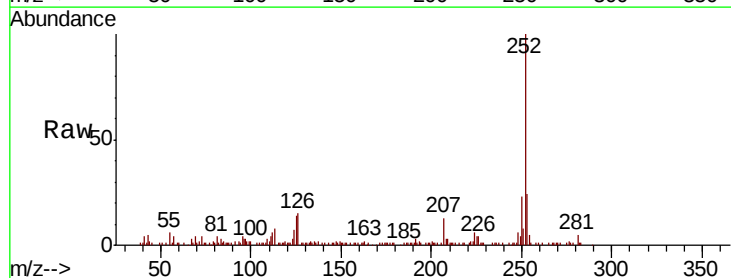
Instrument :
BNA_F
ClientSampleId :

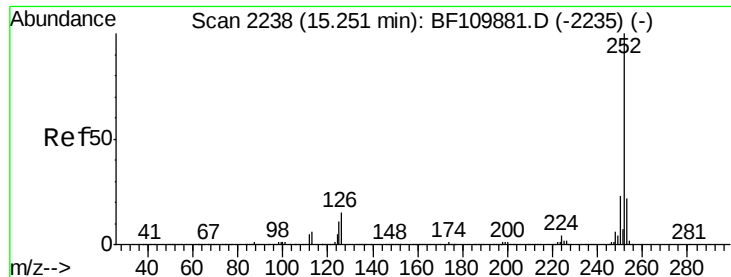
Tot Ion:264 Resp: 412376
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 21.1 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 5.100 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF109980.D
Acq: 19 Oct 2018 1:02

Tgt Ion:252 Resp: 121254
Ion Ratio Lower Upper
252 100
253 24.4 17.2 25.8
125 14.3 8.2 12.4#

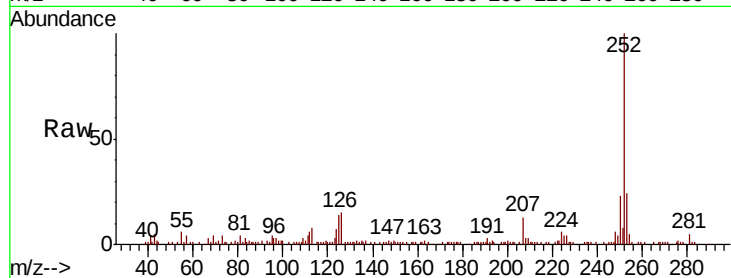




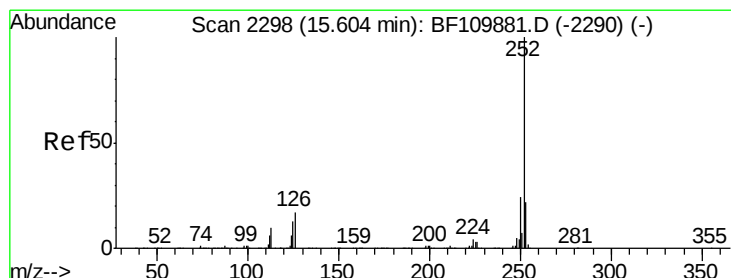
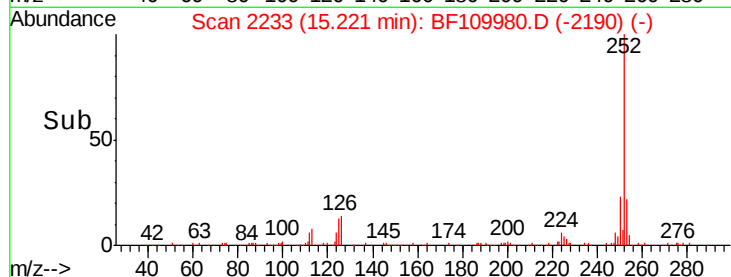
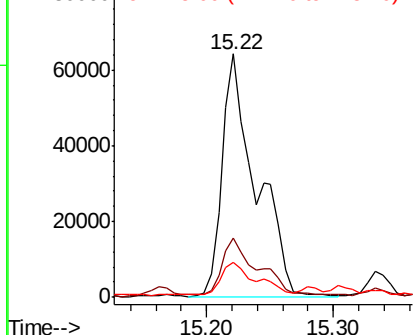
#89
Benzo(k)fluoranthene
Concen: 5.174 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.05 min
Lab File: BF109980.D
Acq: 19 Oct 2018 1:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.2	25.8
125	14.3	7.4	11.0

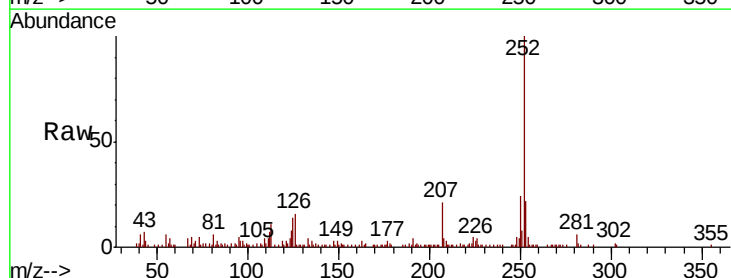


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.477 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.02 min
Lab File: BF109980.D
Acq: 19 Oct 2018 1:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	14.2	9.0	13.6



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

