

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
 Data File : BF109501.D
 Acq On : 2 Oct 2018 15:11
 Operator : JU/SJ
 Sample : J5200-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 02 15:36:57 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	112002	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	444553	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	211074	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	387766	20.00	ng	0.00
75) Chrysene-d12	13.84	240	279840	20.00	ng	0.00
86) Perylene-d12	15.24	264	295177	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	248693	36.57	ng	0.00
7) Phenol-d6	6.35	99	350621	40.41	ng	-0.01
23) Nitrobenzene-d5	7.26	82	219574	29.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	85675	41.18	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	438315	31.32	ng	-0.02
78) Terphenyl-d14	12.79	244	374736	32.86	ng	-0.01

Target Compounds

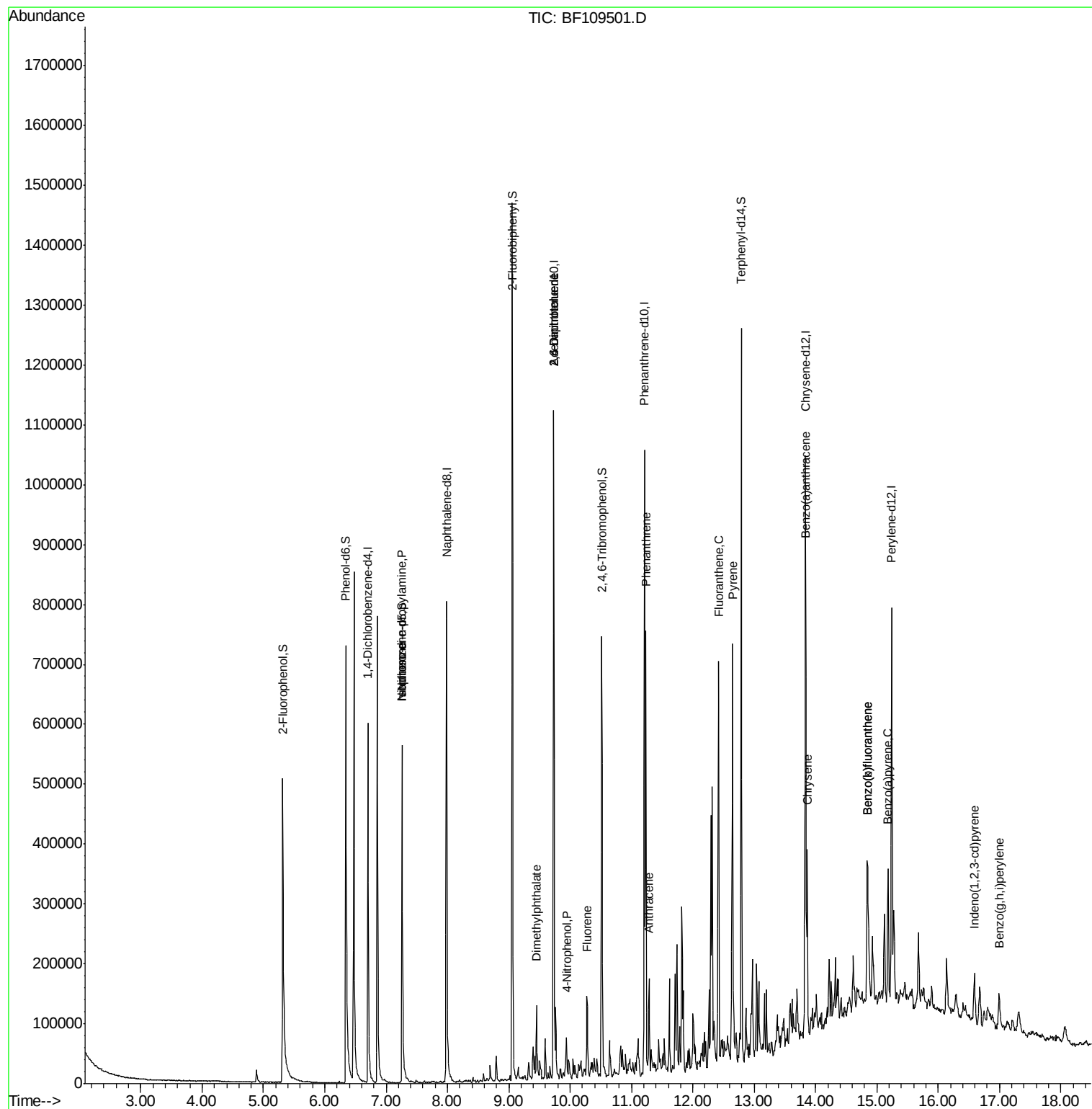
						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	29473	5.184	ng	# 76
25) Isophorone	7.26	82	203395	14.999	ng	# 64
49) Dimethylphthalate	9.45	163	48996	3.191	ng	# 99
50) 2,6-Dinitrotoluene	9.73	165	28517	9.379	ng	# 26
55) 4-Nitrophenol	9.94	139	7631	2.877	ng	# 14
56) 2,4-Dinitrotoluene	9.73	165	28517	7.412	ng	# 23
57) Fluorene	10.28	166	44140	3.320	ng	96
70) Phenanthrene	11.23	178	247728	12.795	ng	99
71) Anthracene	11.29	178	59161	3.013	ng	98
74) Fluoranthene	12.42	202	269693	13.035	ng	95
77) Pyrene	12.64	202	286366	14.279	ng	100
80) Benzo(a)anthracene	13.83	228	126112	7.482	ng	93
82) Chrysene	13.86	228	117279	7.020	ng	97
85) Indeno(1,2,3-cd)pyrene	16.59	276	51590	3.810	ng	# 90
87) Benzo(b)fluoranthene	14.84	252	170800	10.530	ng	97
88) Benzo(k)fluoranthene	14.84	252	170800	11.097	ng	98
89) Benzo(a)pyrene	15.18	252	103228	7.063	ng	98
91) Benzo(g,h,i)perylene	16.99	276	45774	3.884	ng	# 92

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

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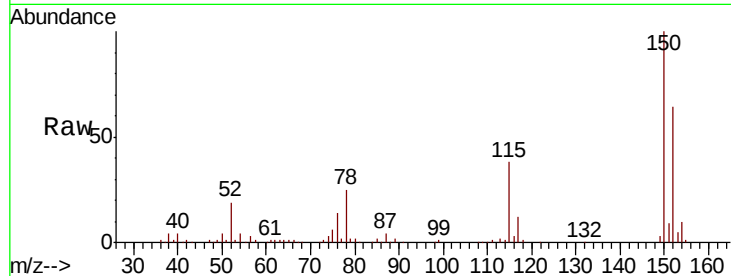


#1

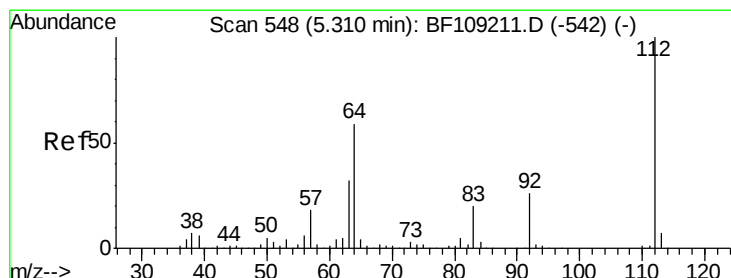
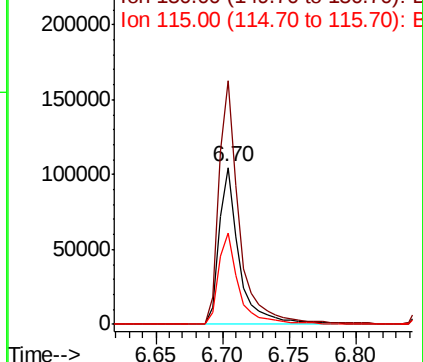
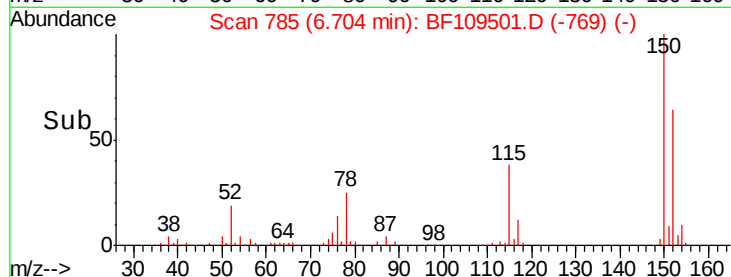
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 112002
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 58.3 50.1 75.1



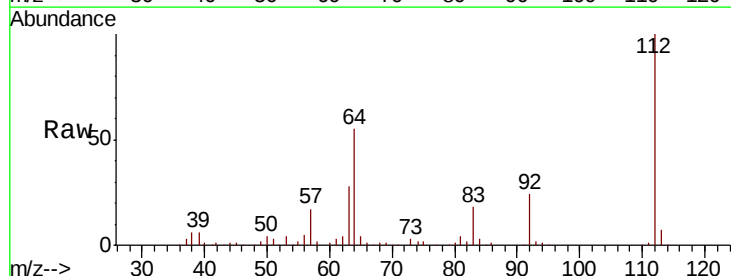
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



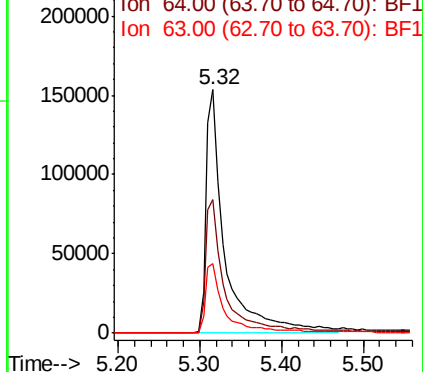
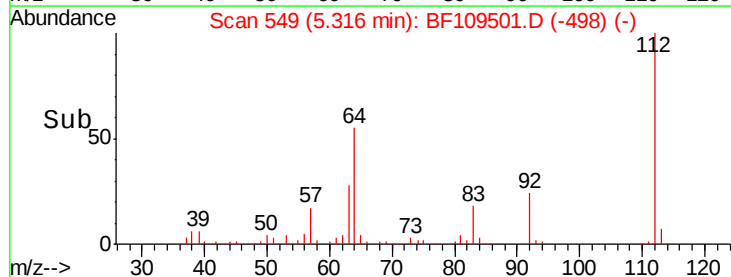
#5

2-Fluorophenol
Concen: 36.572 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Tgt Ion:112 Resp: 248693
Ion Ratio Lower Upper
112 100
64 54.9 47.9 71.9
63 28.4 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: 40.408 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109501.D

Acq: 2 Oct 2018 15:11

Instrument :

BNA_F

ClientSampleId :

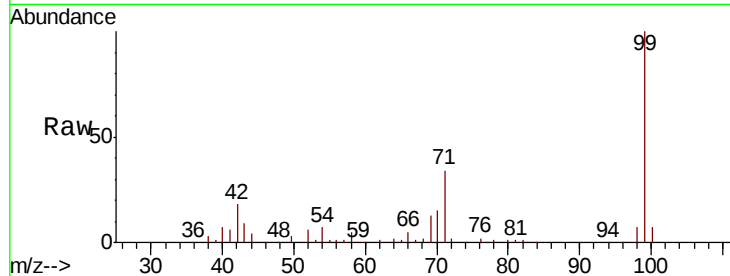
Tot Ion: 99 Resp: 350621

Ion Ratio Lower Upper

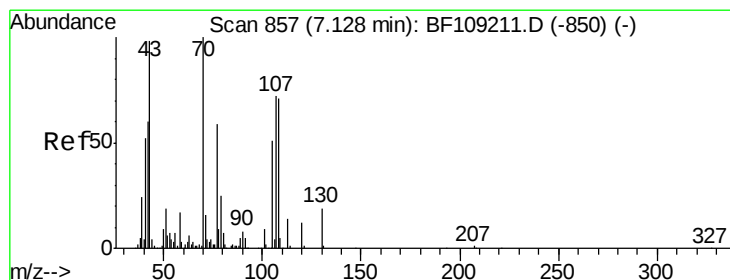
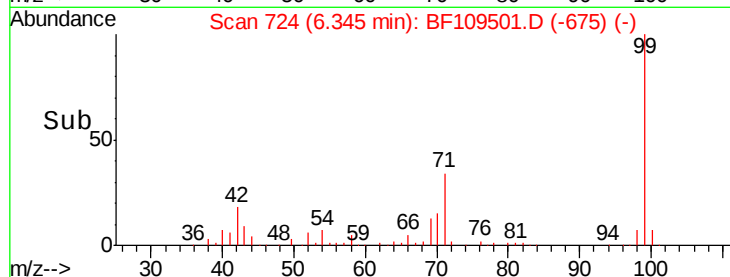
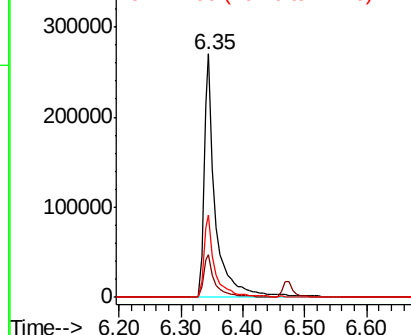
99 100

42 17.7 14.5 21.7

71 33.7 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: 5.184 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109501.D

Acq: 2 Oct 2018 15:11

Tgt Ion: 70 Resp: 29473

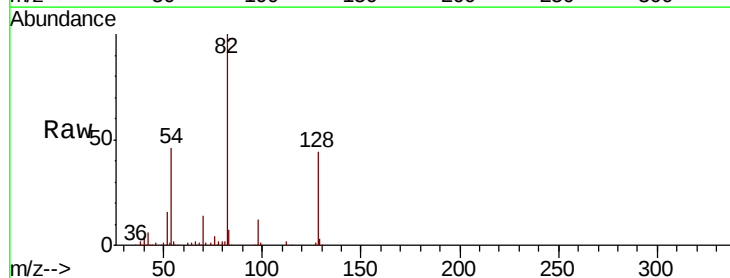
Ion Ratio Lower Upper

70 100

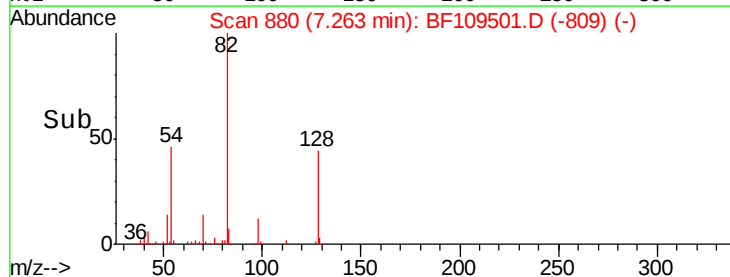
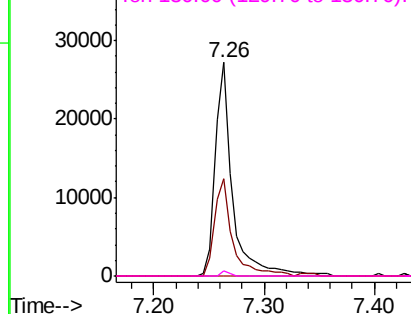
42 45.7 47.5 71.3#

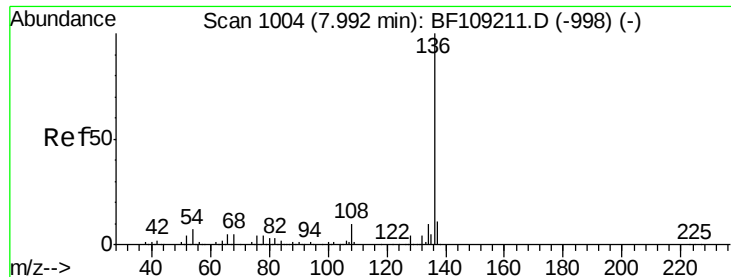
101 0.0 7.4 11.2#

130 2.6 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

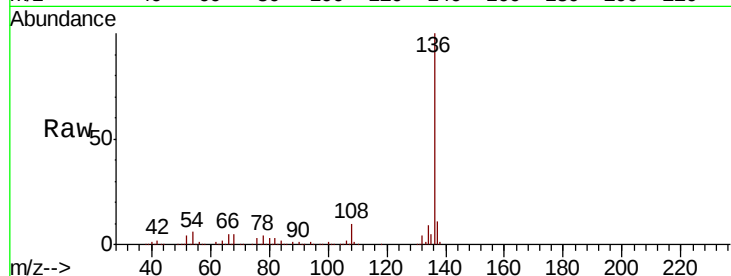




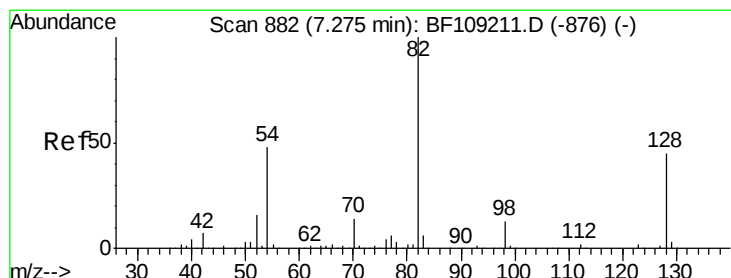
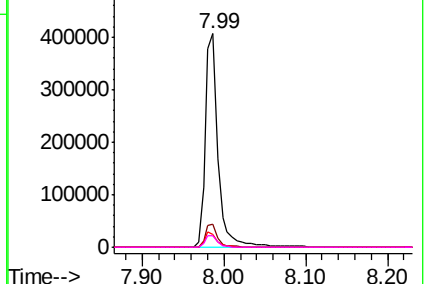
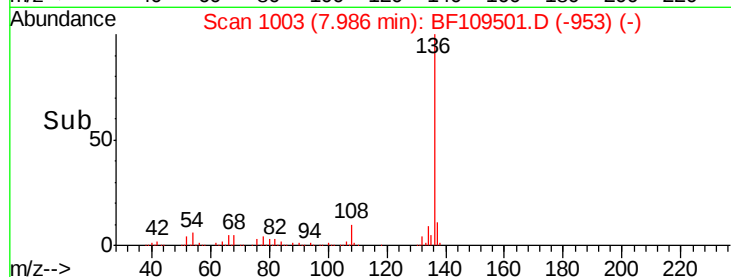
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	444553
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.9 13.3
54	6.3	6.6 9.8#
68	5.2	5.0 7.4

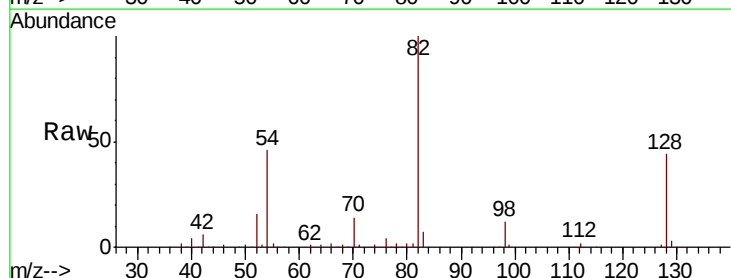


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

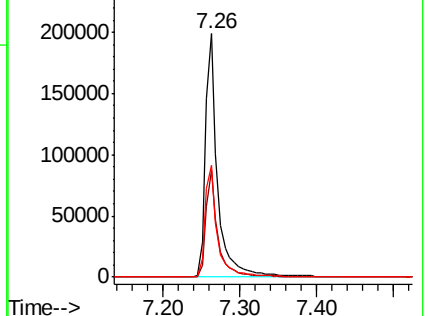
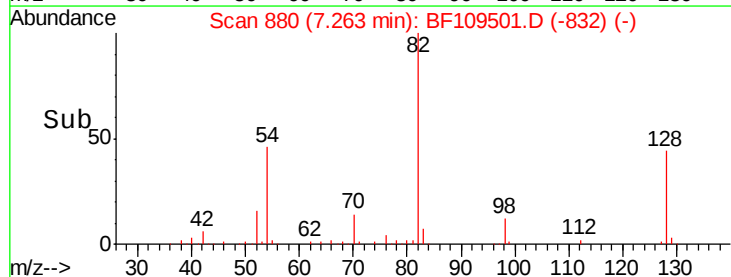


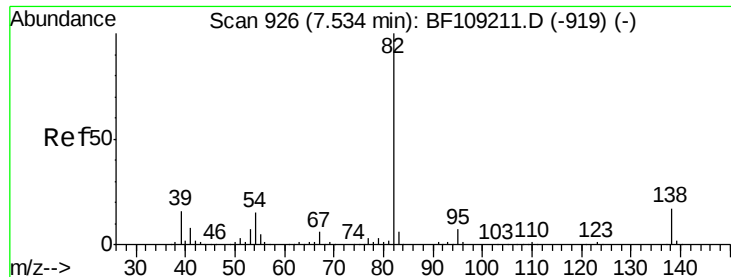
#23
Nitrobenzene-d5
Concen: 29.157 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Tgt Ion: 82	Resp:	219574
Ion	Ratio	Lower Upper
82	100	
128	44.0	36.1 54.1
54	46.1	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: 14.999 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109501.D

Acq: 2 Oct 2018 15:11

Instrument :

BNA_F

ClientSampleId :

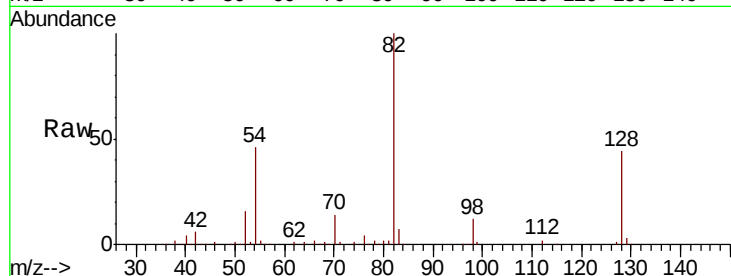
Tot Ion: 82 Resp: 203395

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

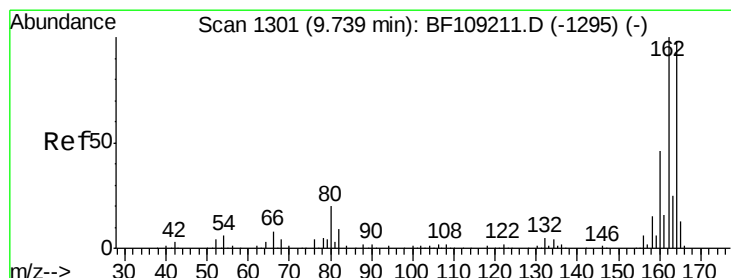
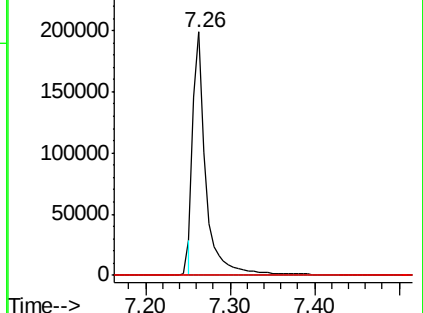
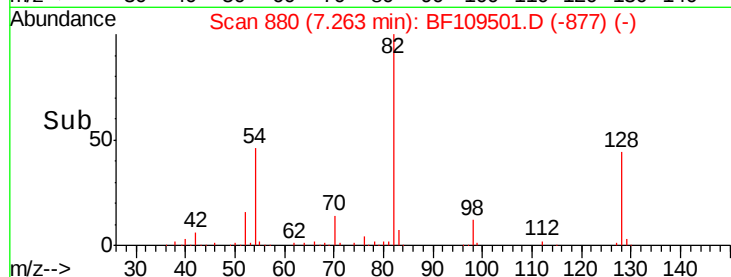
138 0.0 14.9 22.3#



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: BF109501.D

Acq: 2 Oct 2018 15:11

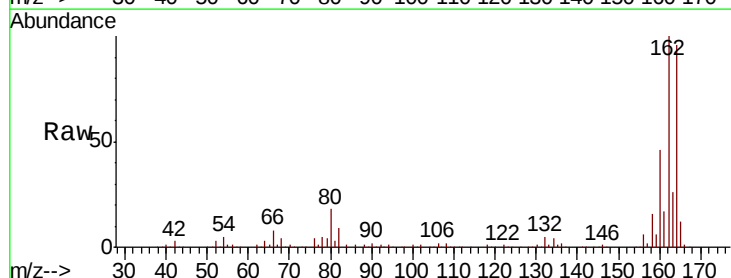
Tgt Ion:164 Resp: 211074

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

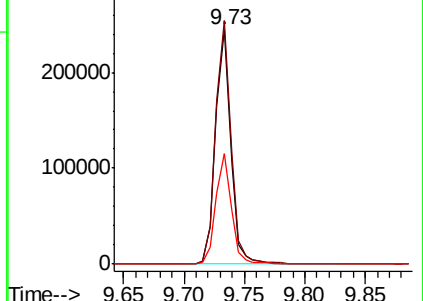
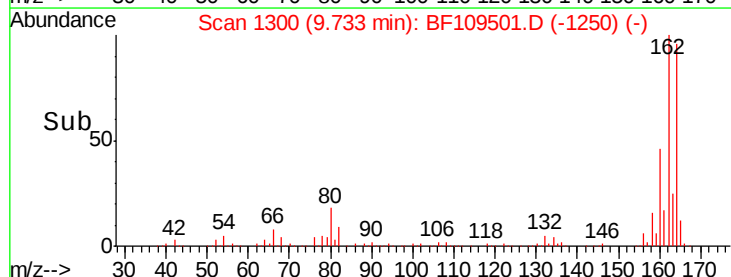
160 47.3 38.3 57.5

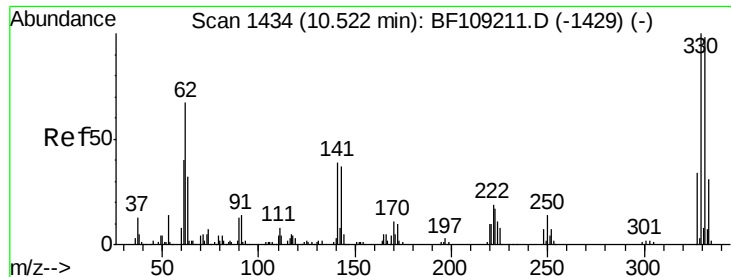


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

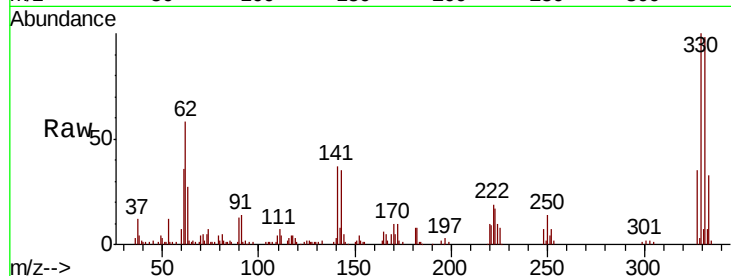




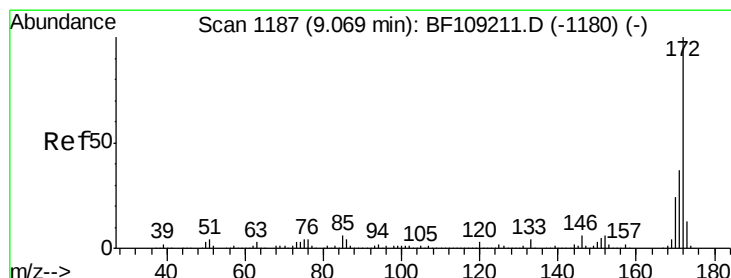
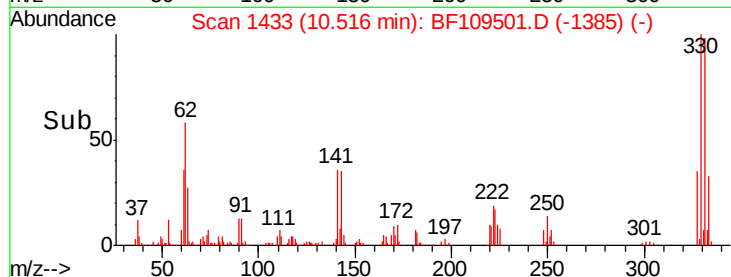
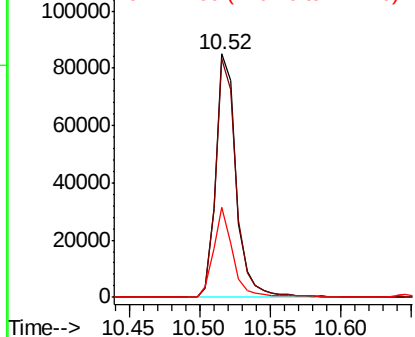
#41
 2,4,6-Tribromophenol
 Concen: 41.175 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109501.D
 Acq: 2 Oct 2018 15:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 85675
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 35.3 29.9 44.9

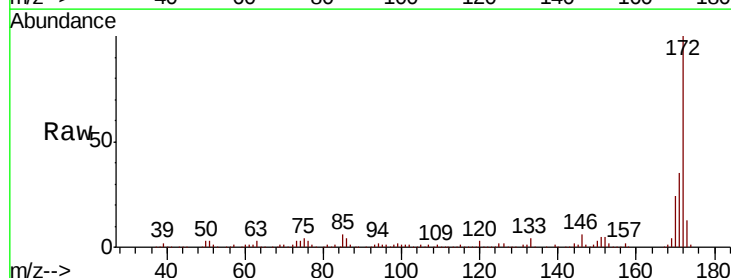


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

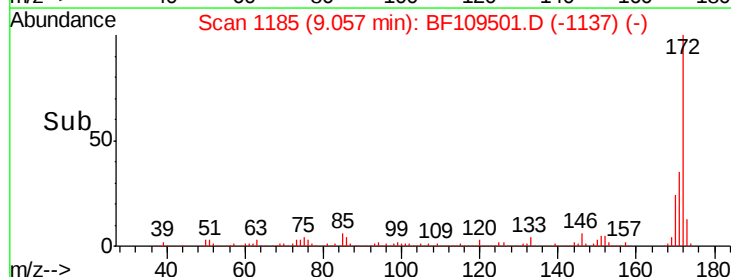
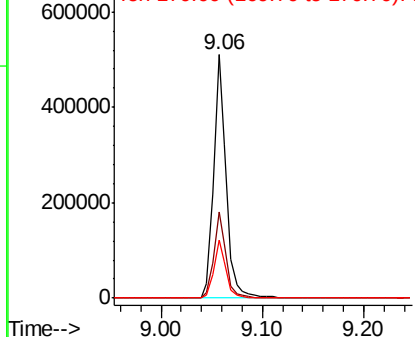


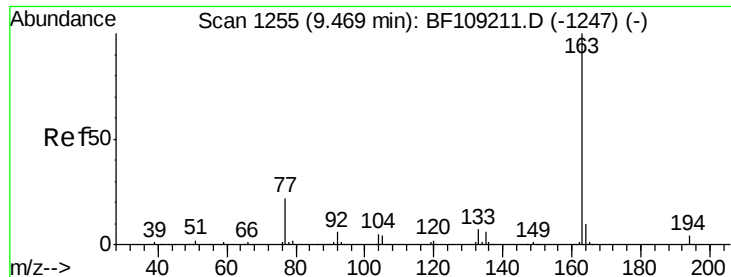
#44
 2-Fluorobiphenyl
 Concen: 31.319 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109501.D
 Acq: 2 Oct 2018 15:11

Tgt Ion:172 Resp: 438315
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 23.7 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

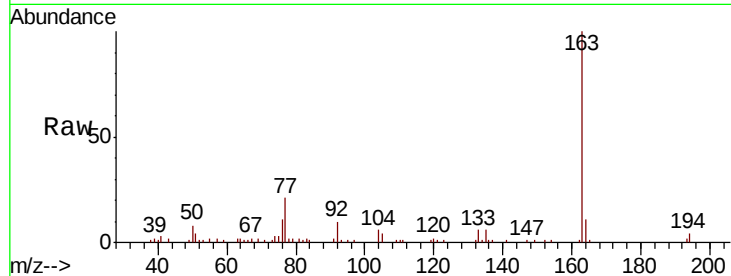




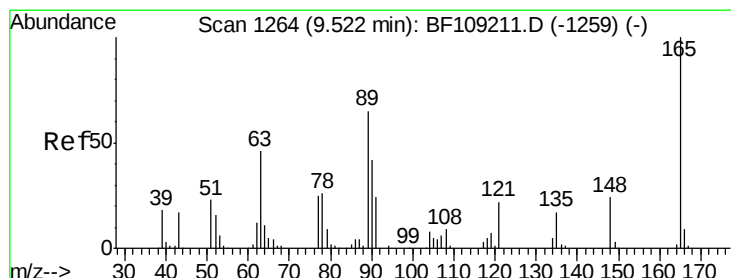
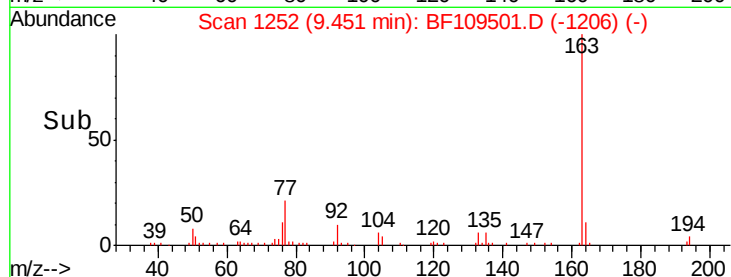
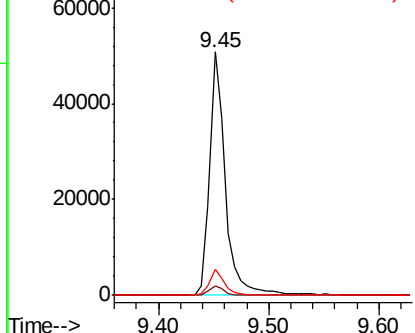
#49
Dimethylphthalate
Concen: 3.191 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 48996
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 10.6 8.2 12.2

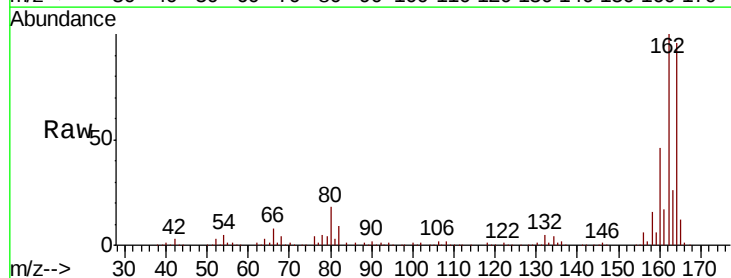


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

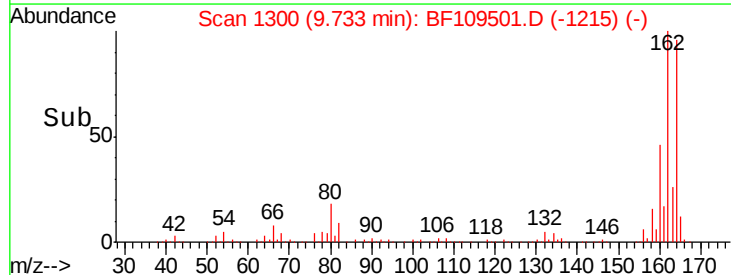
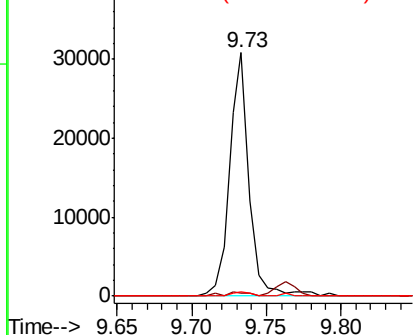


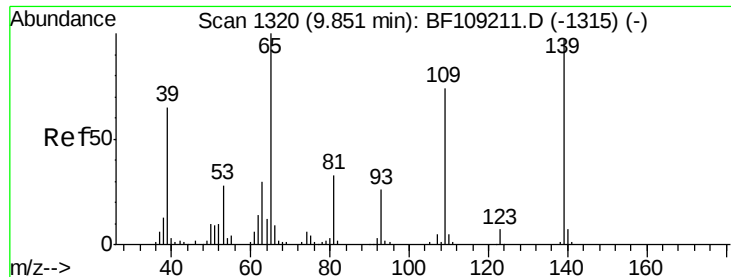
#50
2,6-Dinitrotoluene
Concen: 9.379 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.20 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Tgt Ion:165 Resp: 28517
Ion Ratio Lower Upper
165 100
63 1.1 44.7 67.1#
89 2.0 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

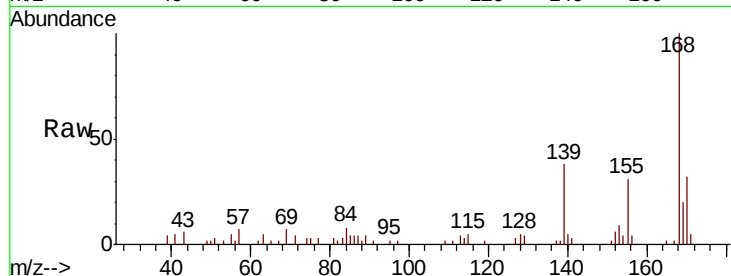




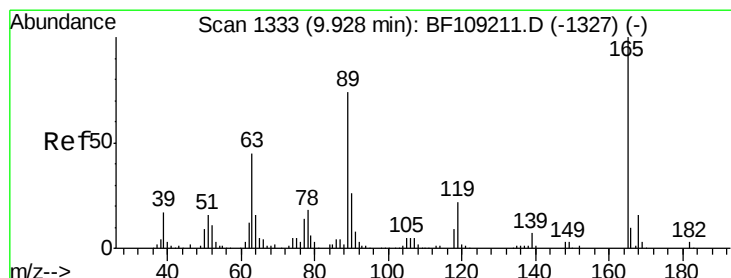
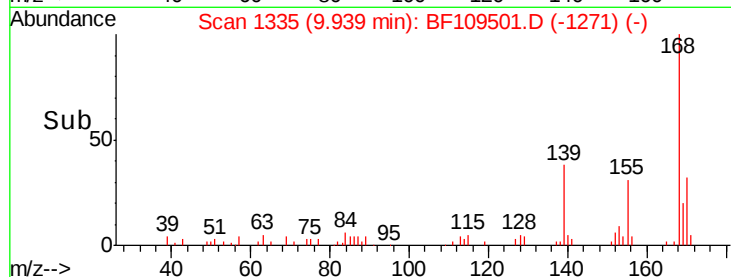
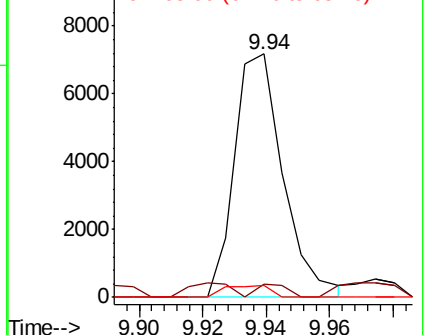
#55
4-Nitrophenol
Concen: 2.877 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.08 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 7631
Ion Ratio Lower Upper
139 100
109 5.3 48.4 88.4#
65 4.7 72.6 112.6#

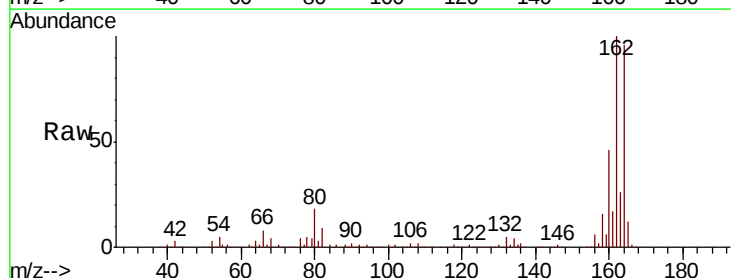


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

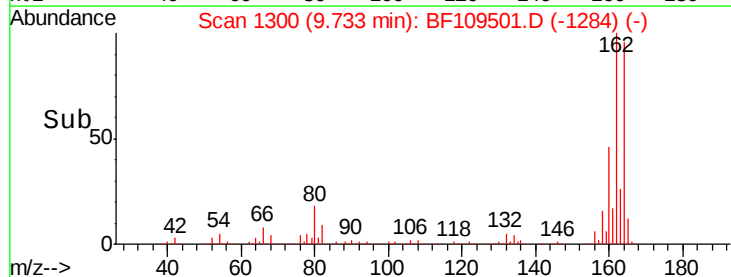
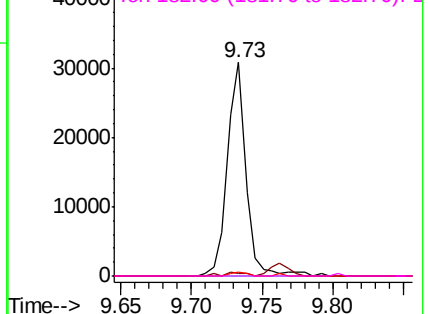


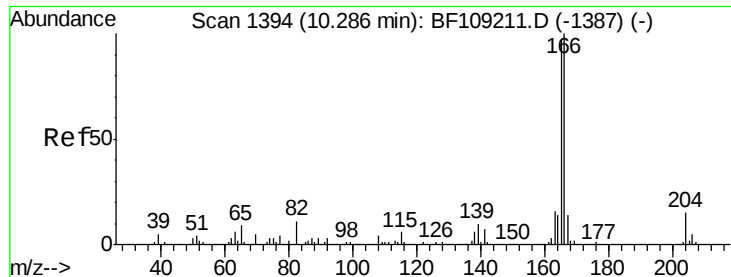
#56
2,4-Dinitrotoluene
Concen: 7.412 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Tgt Ion:165 Resp: 28517
Ion Ratio Lower Upper
165 100
63 1.1 36.4 54.6#
89 2.0 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

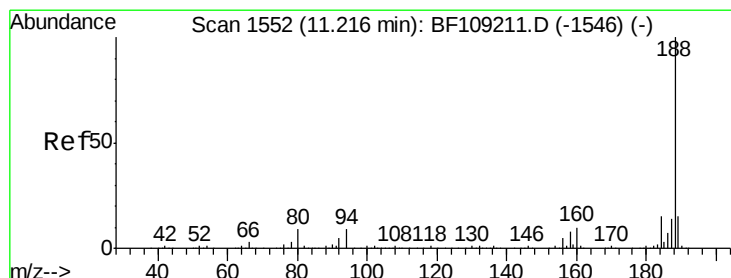
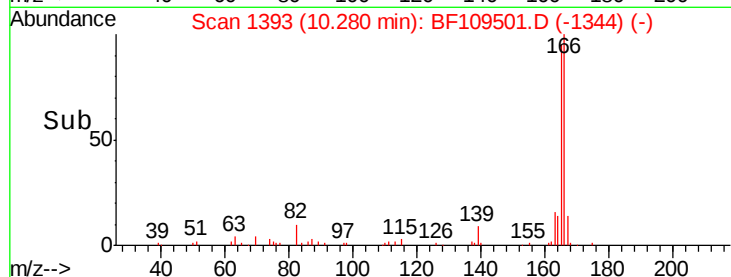
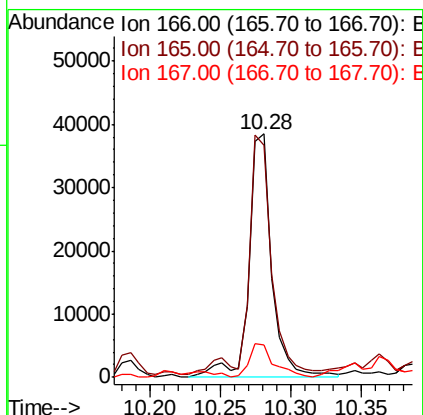
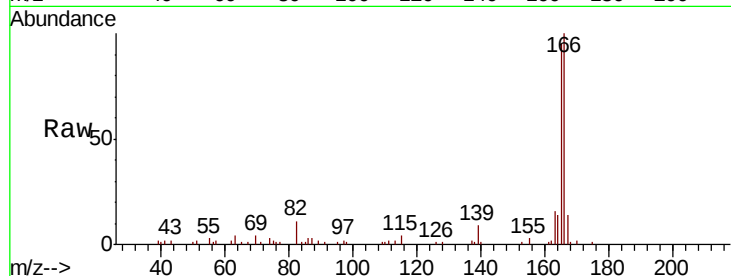




#57
 Fluorene
 Concen: 3.320 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF109501.D
 Acq: 2 Oct 2018 15:11

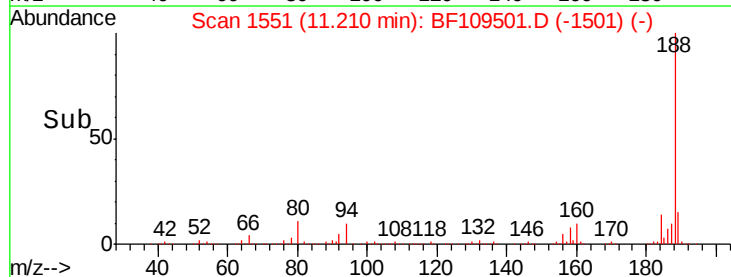
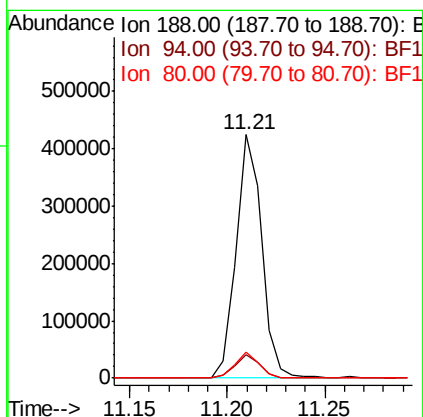
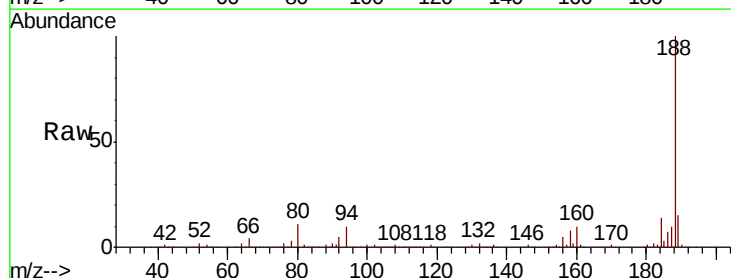
Instrument :
 BNA_F
 ClientSampleId :

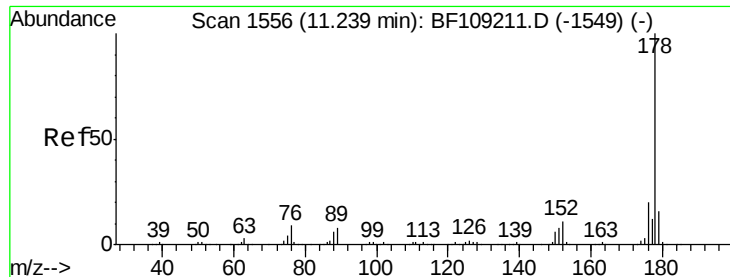
Tot Ion:166 Resp: 44140
 Ion Ratio Lower Upper
 166 100
 165 95.3 79.8 119.8
 167 13.6 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109501.D
 Acq: 2 Oct 2018 15:11

Tgt Ion:188 Resp: 387766
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 10.6 9.2 13.8





#70

Phenanthrene

Concen: 12.795 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF109501.D

Acq: 2 Oct 2018 15:11

Instrument :

BNA_F

ClientSampleId :

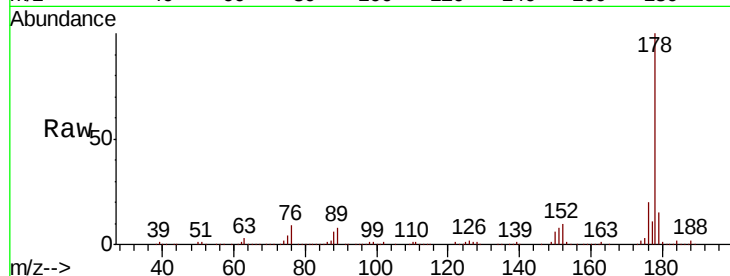
Tot Ion:178 Resp: 247728

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.4	13.0	19.6

178 100

176 19.8 15.8 23.8

179 15.4 13.0 19.6

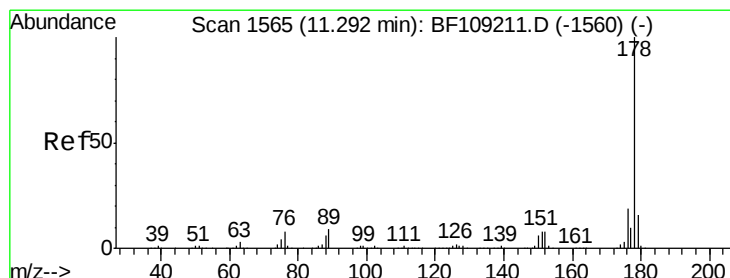
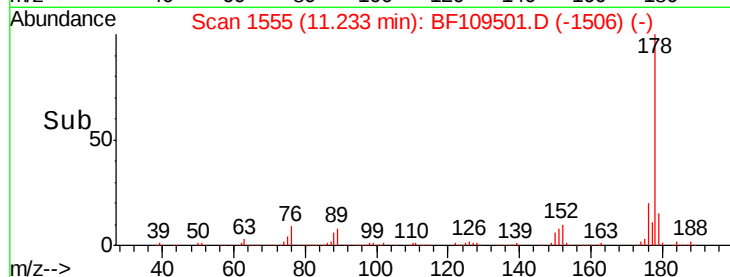
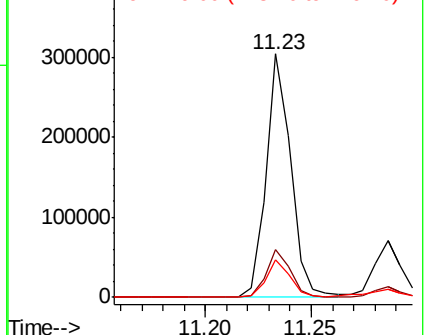


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.013 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF109501.D

Acq: 2 Oct 2018 15:11

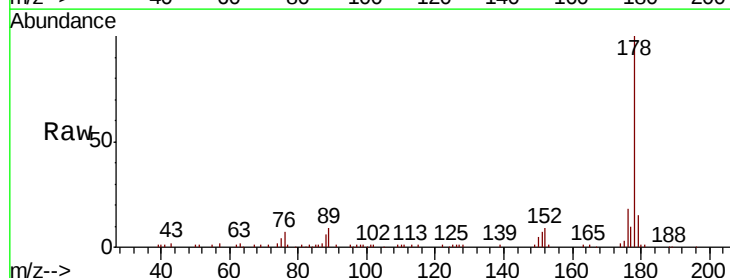
Tgt Ion:178 Resp: 59161

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.1	12.6	19.0

178 100

176 18.5 15.4 23.2

179 15.1 12.6 19.0

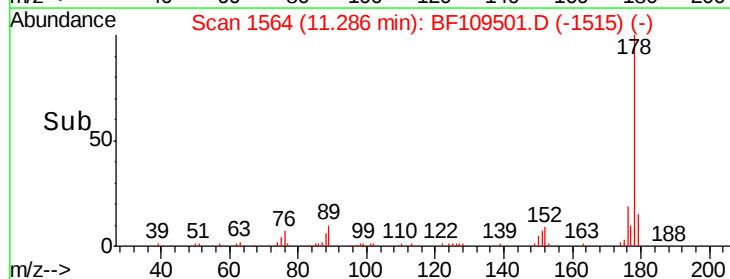
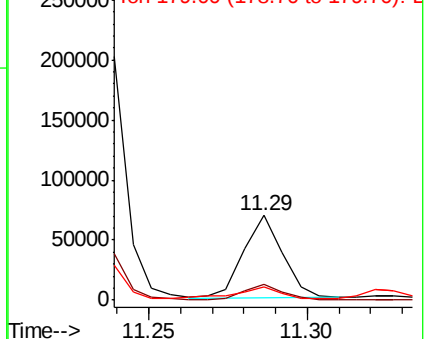


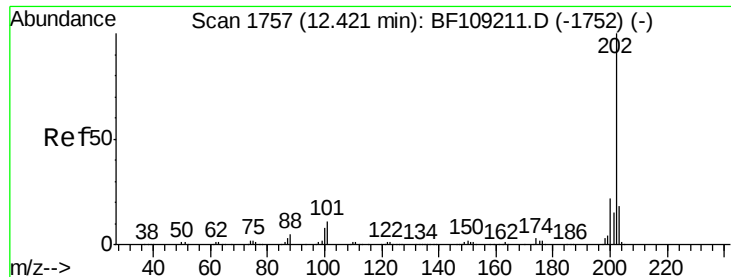
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.035 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109501.D

Acq: 2 Oct 2018 15:11

Instrument :

BNA_F

ClientSampleId :

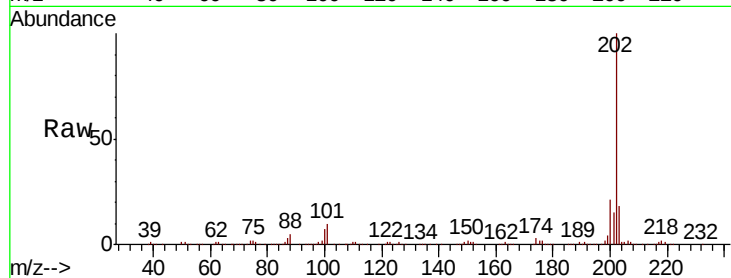
Tot Ion:202 Resp: 269693

Ion Ratio Lower Upper

202 100

101 10.1 0.0 34.1

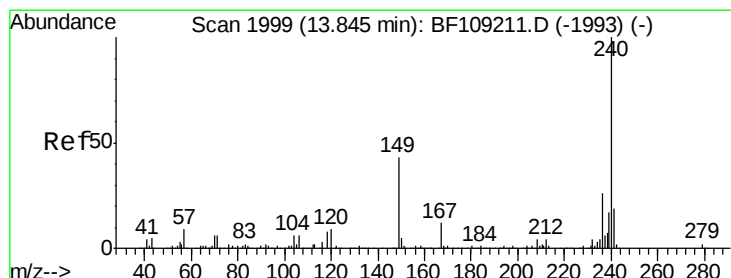
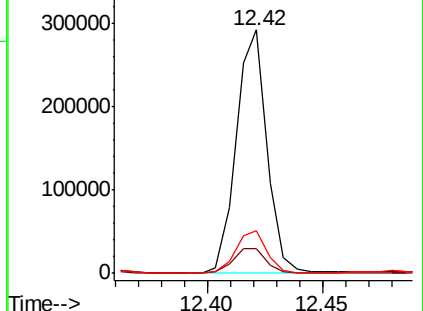
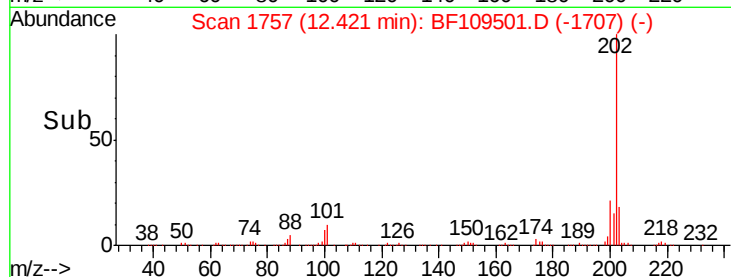
203 17.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109501.D

Acq: 2 Oct 2018 15:11

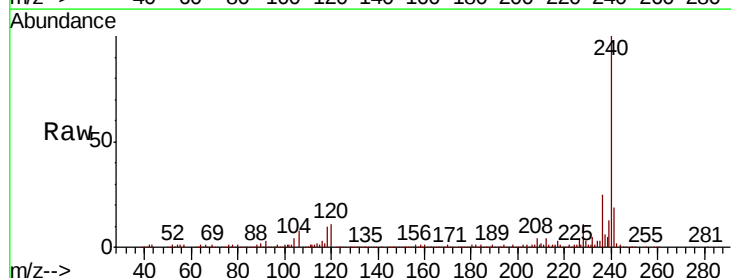
Tgt Ion:240 Resp: 279840

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

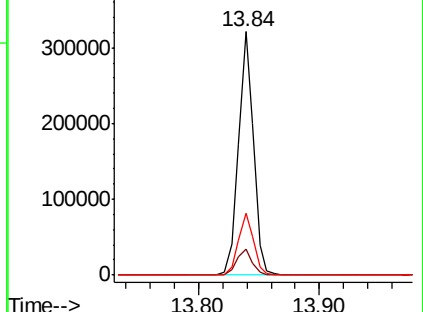
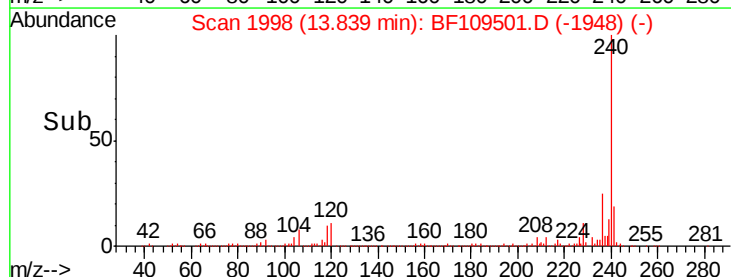
236 25.5 20.7 31.1

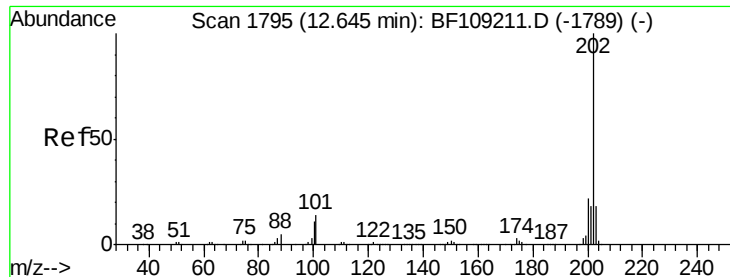


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 14.279 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109501.D

Acq: 2 Oct 2018 15:11

Instrument :

BNA_F

ClientSampleId :

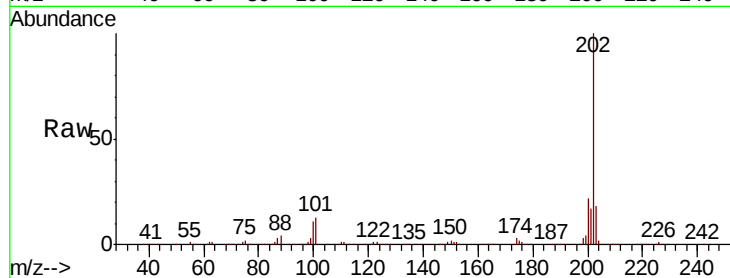
Tot Ion:202 Resp: 286366

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

203 17.7 14.3 21.5

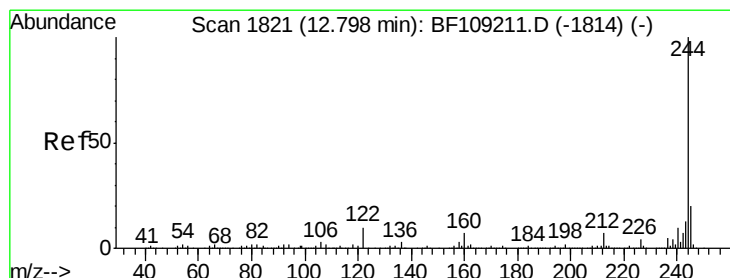
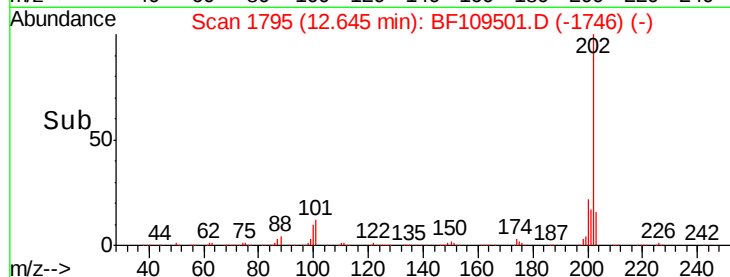
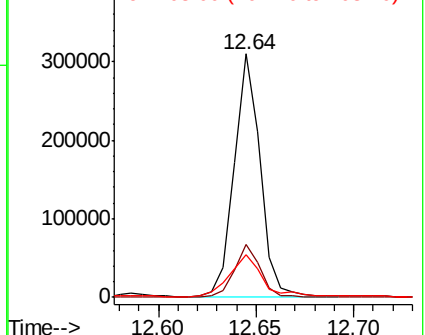


Abundance

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: 32.864 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109501.D

Acq: 2 Oct 2018 15:11

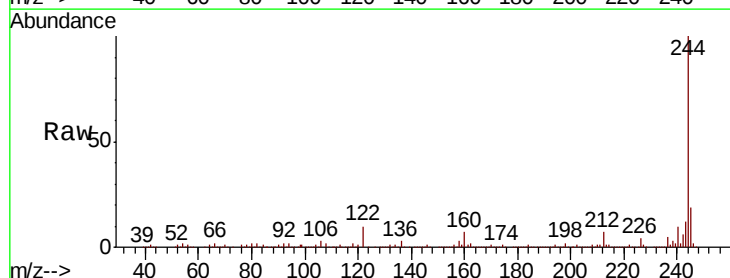
Tgt Ion:244 Resp: 374736

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.1 11.0 16.4#

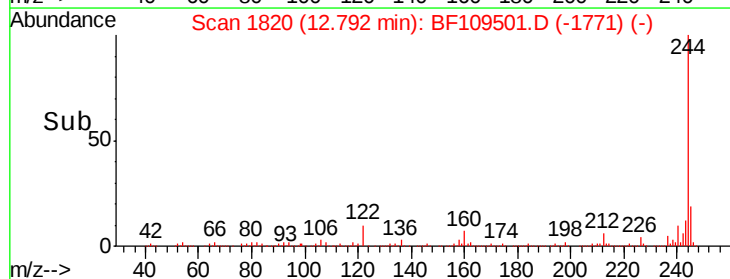
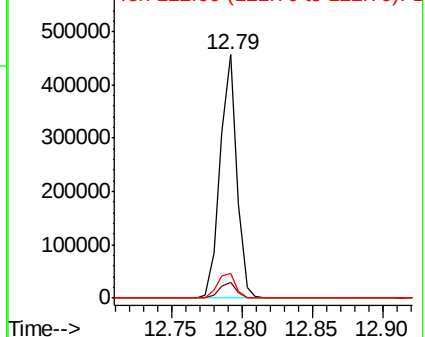


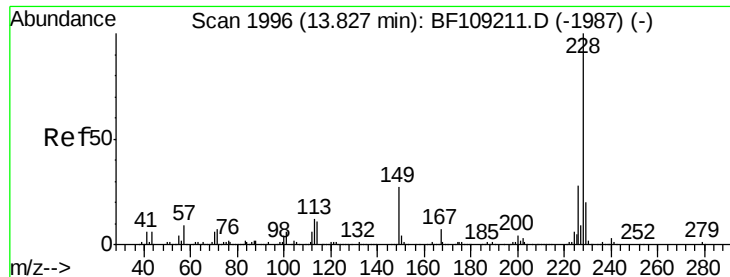
Abundance

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: 7.482 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109501.D

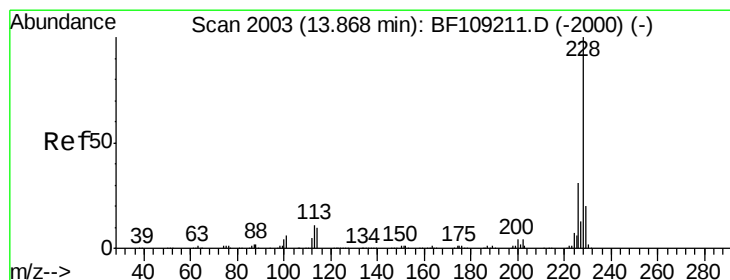
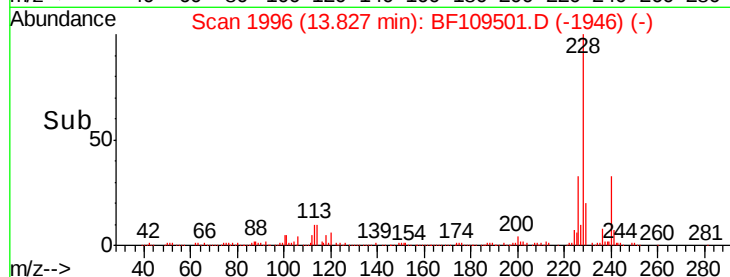
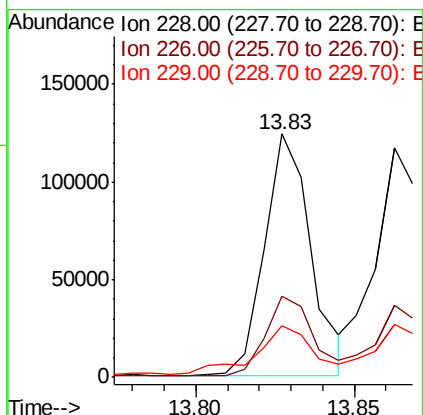
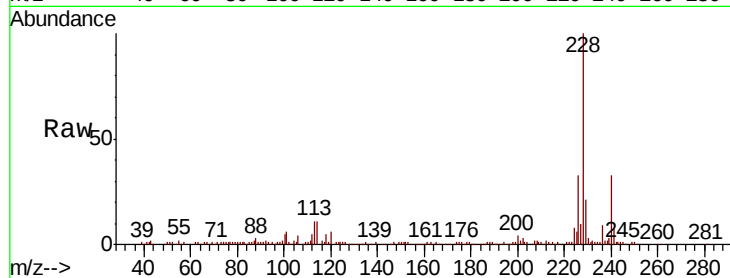
Acq: 2 Oct 2018 15:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	126112
Ion Ratio	Lower	Upper
228	100	
226	33.3	22.6 33.8
229	21.1	15.8 23.6



#82

Chrysene

Concen: 7.020 ng

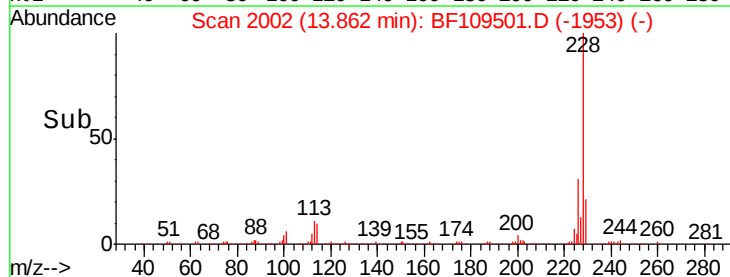
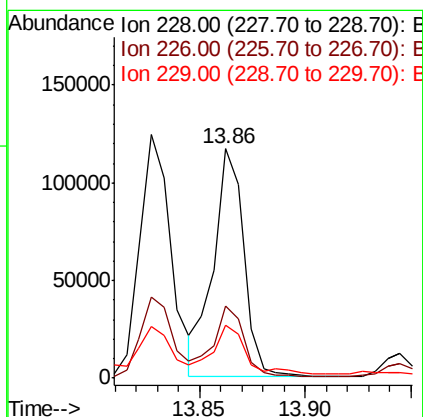
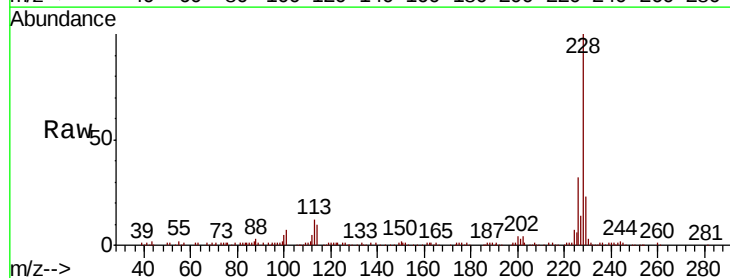
RT: 13.86 min Scan# 2002

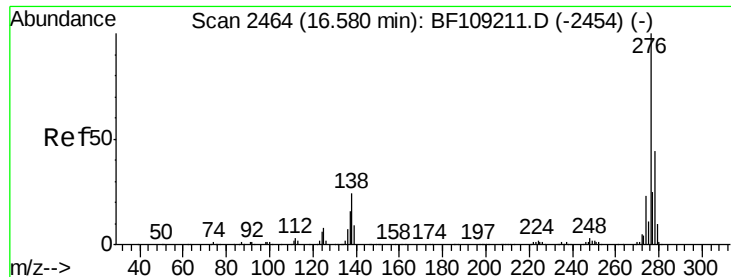
Delta R.T. -0.01 min

Lab File: BF109501.D

Acq: 2 Oct 2018 15:11

Tgt Ion:228	Resp:	117279
Ion Ratio	Lower	Upper
228	100	
226	31.7	25.0 37.6
229	23.0	16.2 24.4

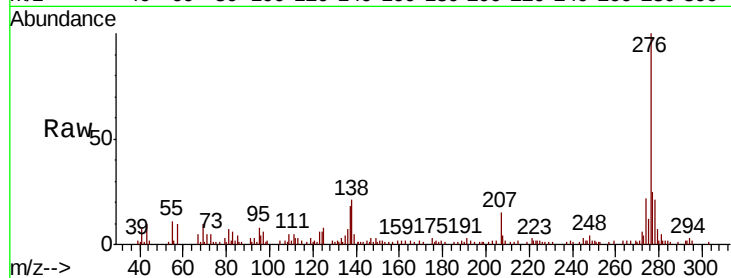




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.810 ng
 RT: 16.59 min Scan# 2465
 Delta R.T. -0.01 min
 Lab File: BF109501.D
 Acq: 2 Oct 2018 15:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	25.0	37.6#
277	24.4	20.1	30.1

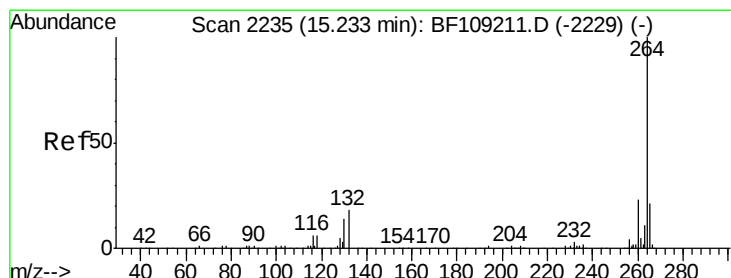
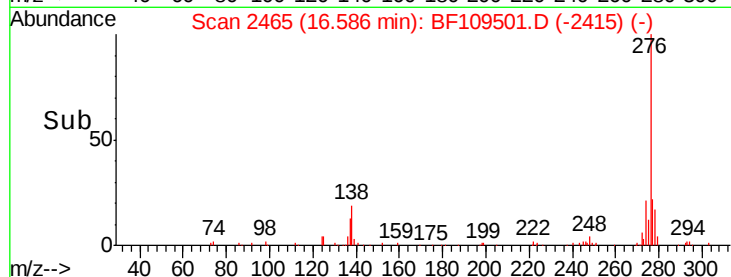
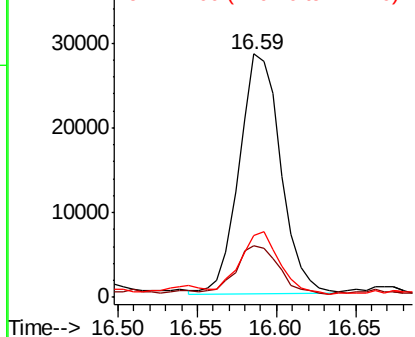


Abundance

Ion 276.00 (275.70 to 276.70): E

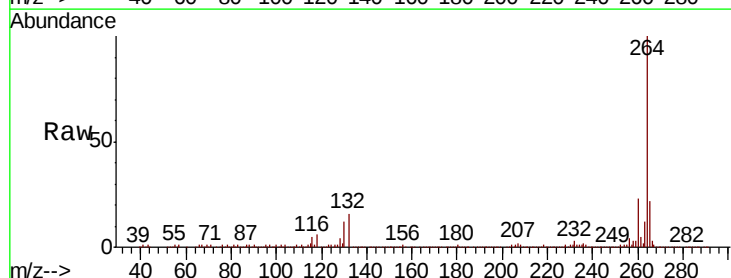
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. 0.01 min
 Lab File: BF109501.D
 Acq: 2 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.8	17.5	26.3

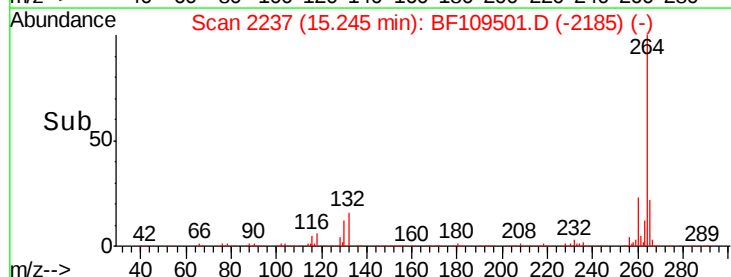
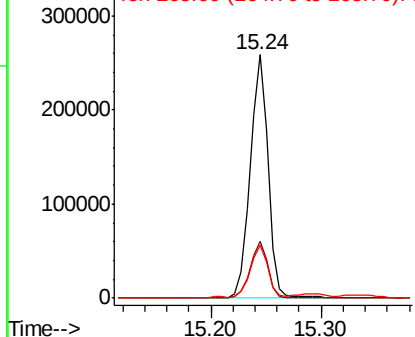


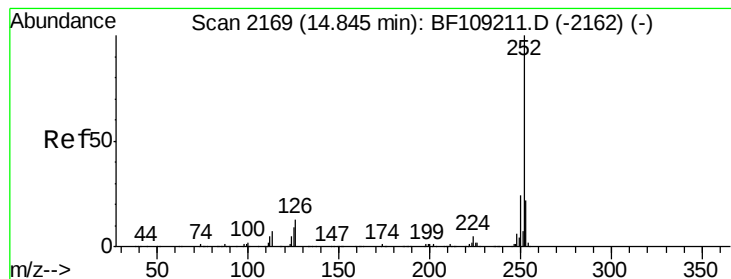
Abundance

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: 10.530 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF109501.D

Acq: 2 Oct 2018 15:11

Instrument :

BNA_F

ClientSampleId :

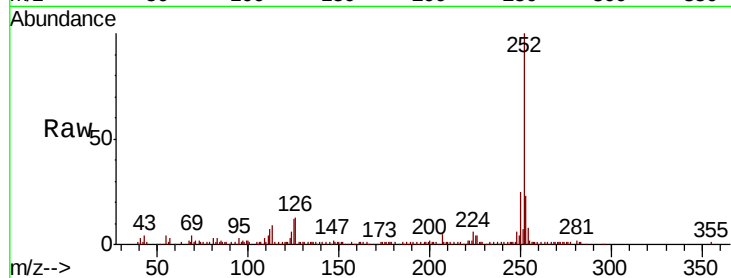
Tot Ion:252 Resp: 170800

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

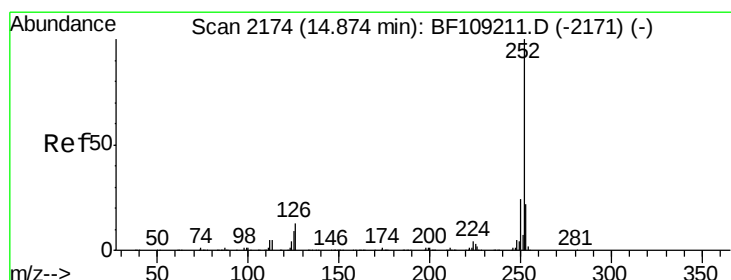
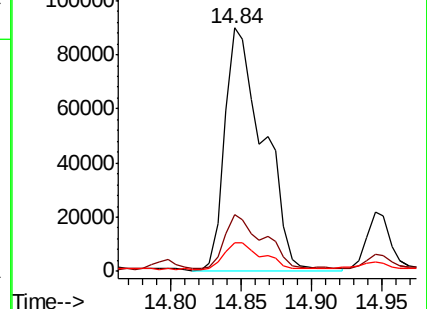
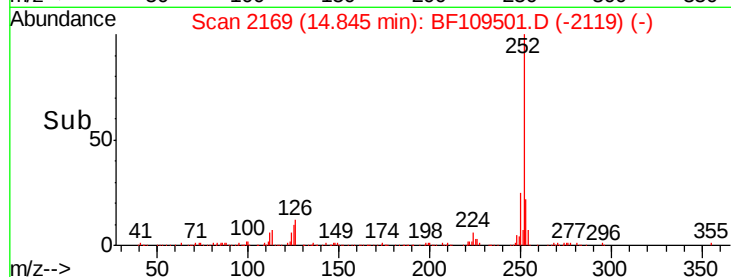
125 11.5 9.0 13.6



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



#88

Benzo(k)fluoranthene

Concen: 11.097 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF109501.D

Acq: 2 Oct 2018 15:11

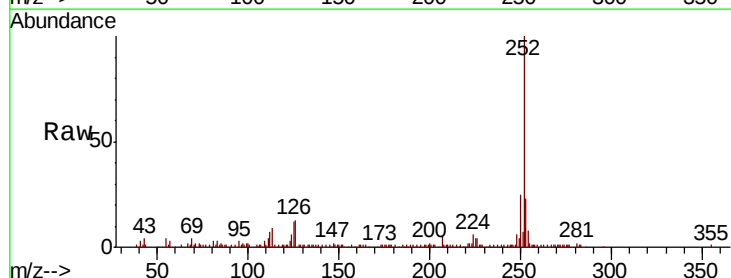
Tgt Ion:252 Resp: 170800

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

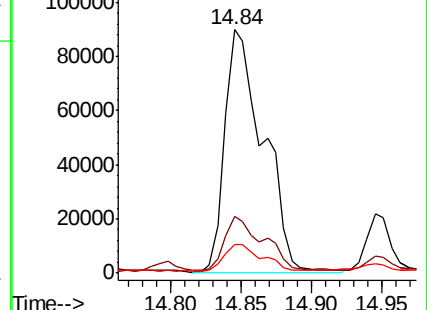
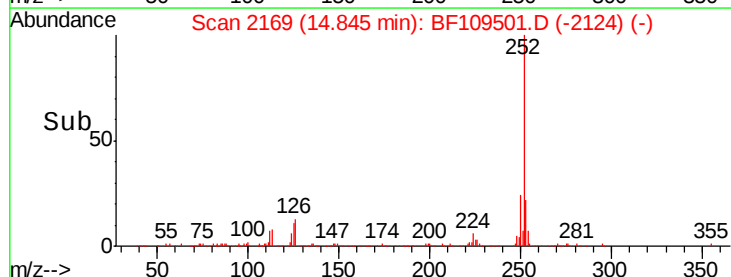
125 11.5 10.2 15.2

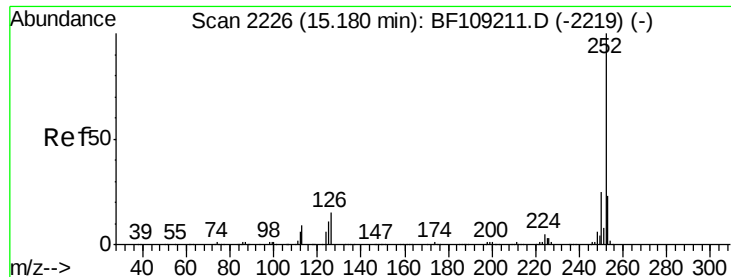


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

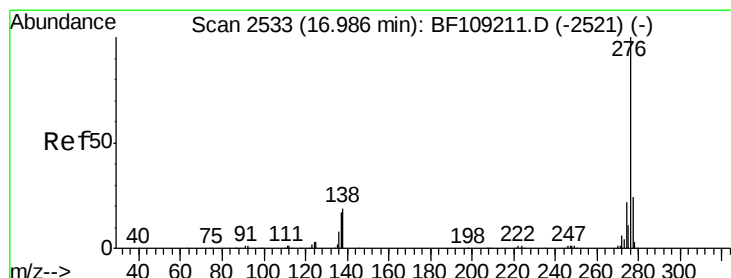
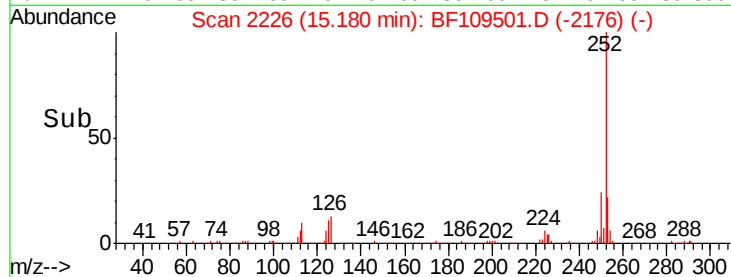
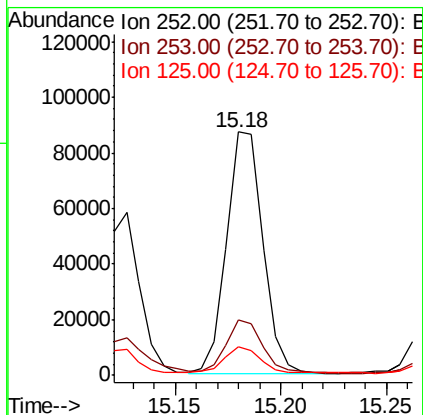
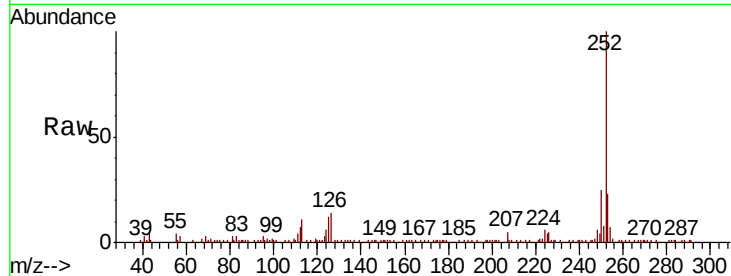




#89
Benzo(a)pyrene
Concen: 7.063 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 103228
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 11.9 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 3.884 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.01 min
Lab File: BF109501.D
Acq: 2 Oct 2018 15:11

Tgt Ion:276 Resp: 45774
Ion Ratio Lower Upper
276 100
277 27.2 17.9 26.9#
138 23.8 21.8 32.8

