

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
 Data File : BF109552.D
 Acq On : 3 Oct 2018 17:51
 Operator : JU/SJ
 Sample : J5198-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 19:02:10 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	91725	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	330429	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	127065	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	227949	20.00	ng	0.00
75) Chrysene-d12	13.84	240	235809	20.00	ng	0.00
86) Perylene-d12	15.24	264	162992	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	180091	32.34	ng	0.00
7) Phenol-d6	6.35	99	240286	33.81	ng	-0.01
23) Nitrobenzene-d5	7.26	82	142201	25.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	42669	34.06	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	230633	27.37	ng	-0.02
78) Terphenyl-d14	12.79	244	212241	22.09	ng	-0.01

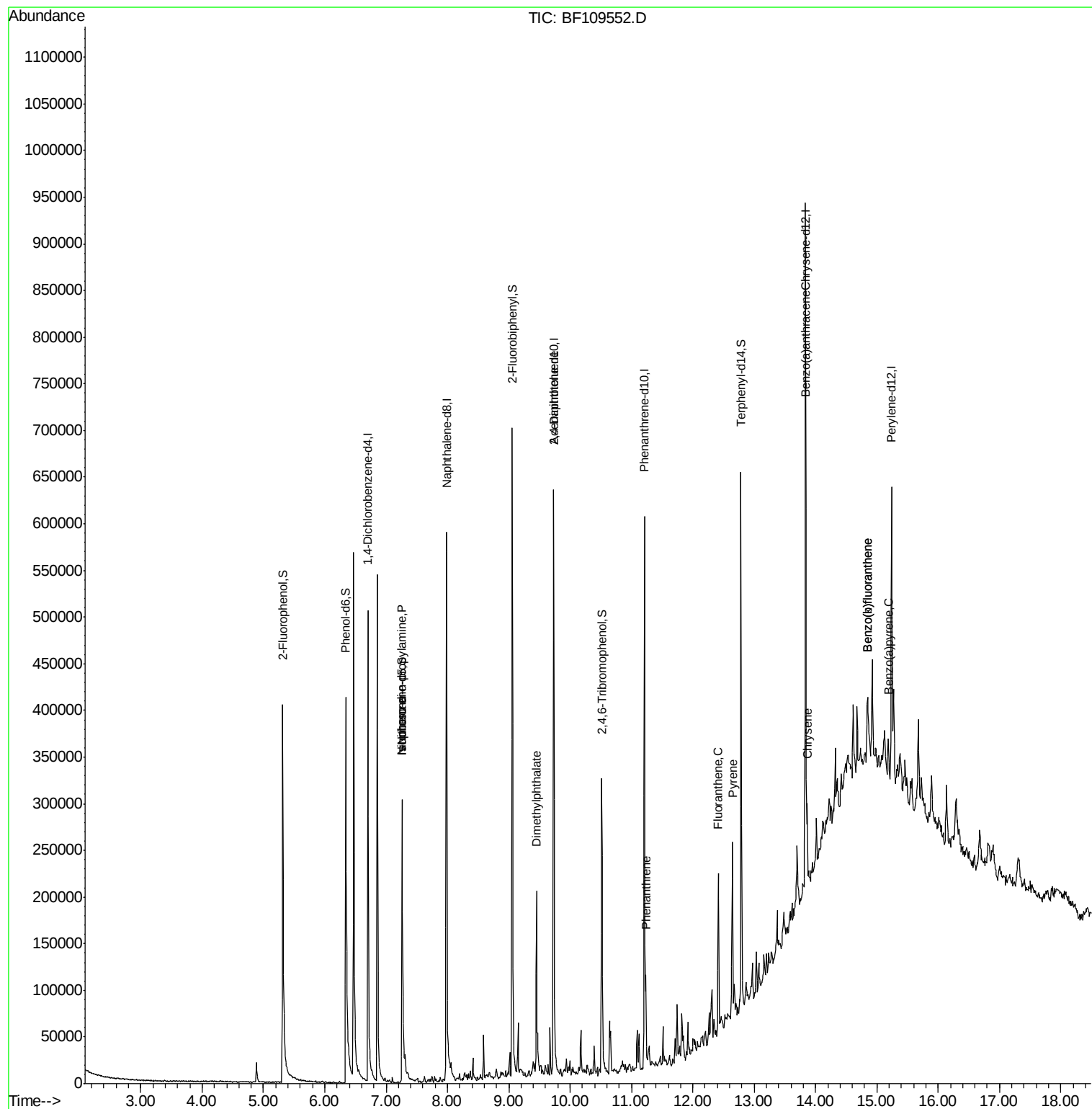
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	18341	3.939	ng	# 79
25) Isophorone	7.26	82	131563	13.052	ng	# 64
49) Dimethylphthalate	9.45	163	75939	8.217	ng	# 99
56) 2,4-Dinitrotoluene	9.73	165	16569	7.154	ng	# 23
70) Phenanthrene	11.23	178	30833	2.709	ng	99
74) Fluoranthene	12.42	202	70683	5.811	ng	97
77) Pyrene	12.64	202	81124	4.800	ng	97
80) Benzo(a)anthracene	13.83	228	35061	2.468	ng	95
82) Chrysene	13.86	228	34643	2.461	ng	95
87) Benzo(b)fluoranthene	14.84	252	38585	4.308	ng	# 80
88) Benzo(k)fluoranthene	14.84	252	38585	4.540	ng	# 83
89) Benzo(a)pyrene	15.19	252	19421	2.406	ng	# 83

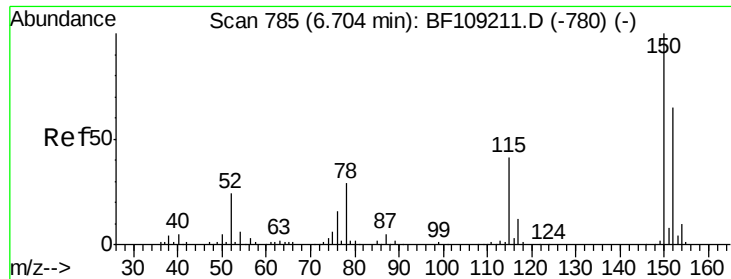
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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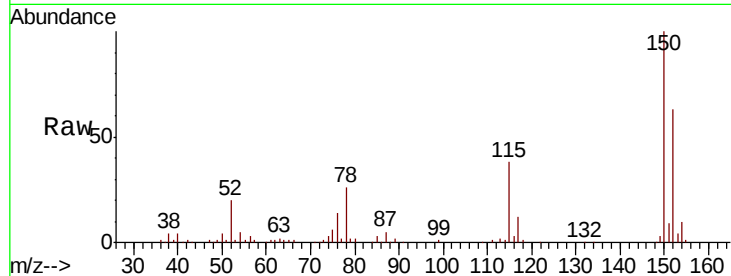


#1

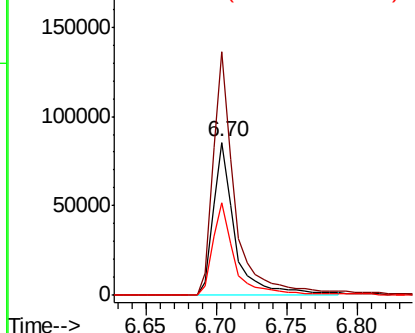
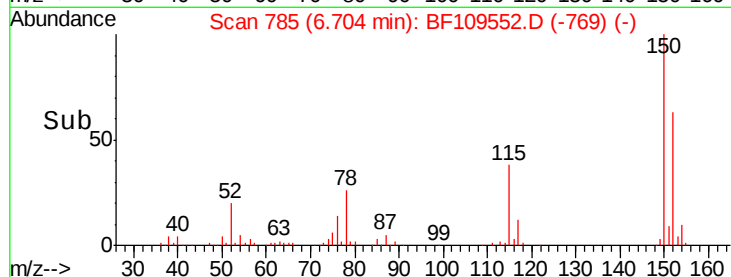
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 91725
Ion Ratio Lower Upper
152 100
150 159.3 124.6 186.8
115 60.7 50.1 75.1



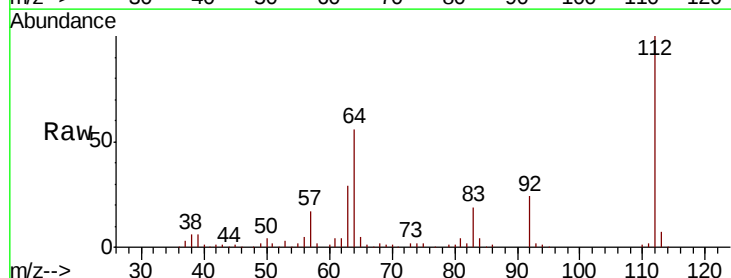
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



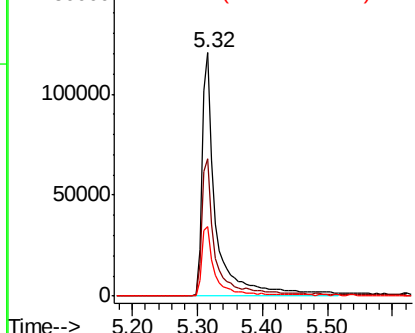
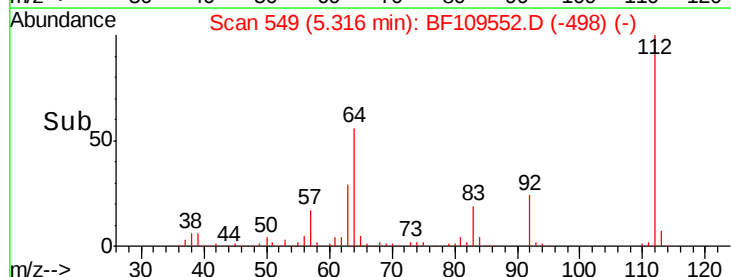
#5

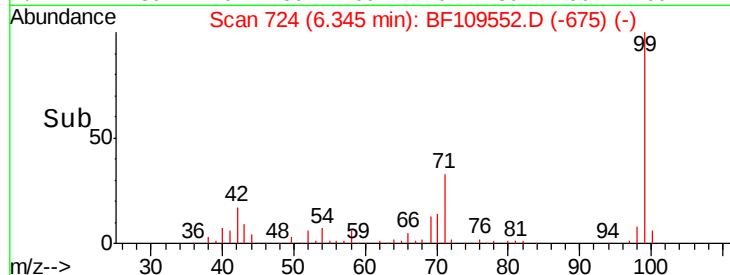
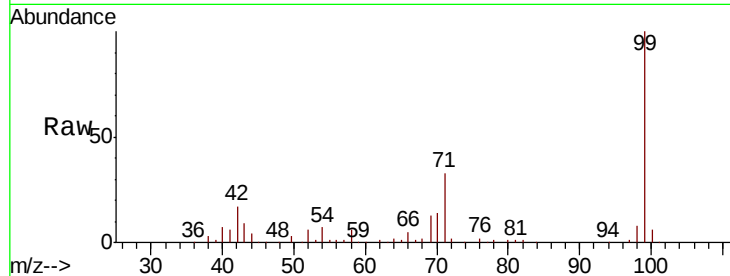
2-Fluorophenol
Concen: 32.338 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:112 Resp: 180091
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 28.7 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: 33.814 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109552.D

Acq: 3 Oct 2018 17:51

Instrument :

BNA_F

ClientSampled :

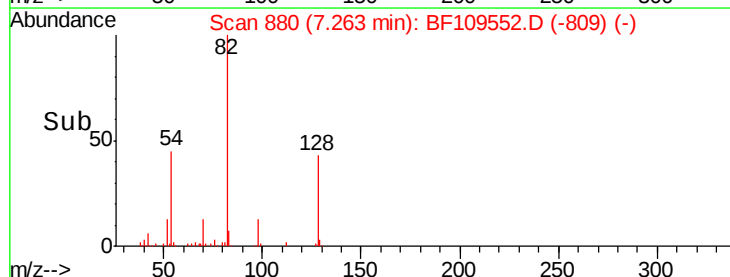
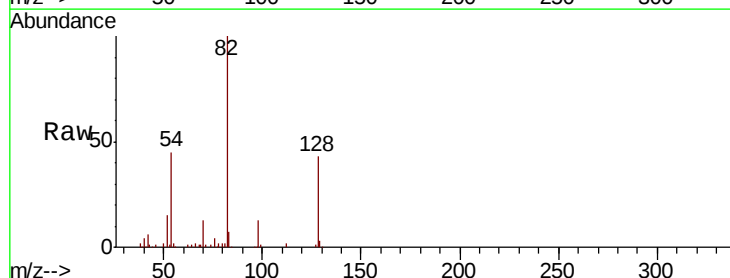
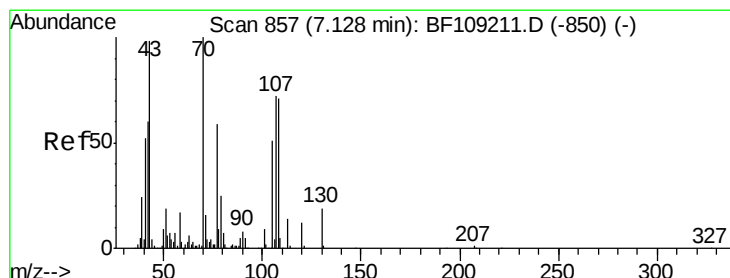
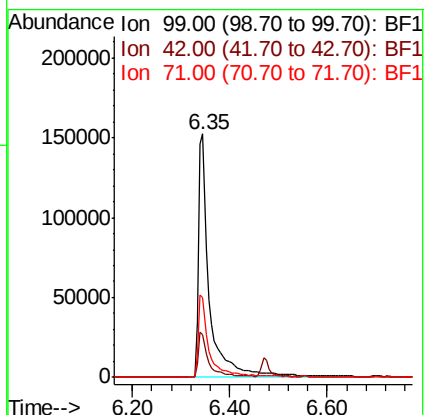
Tot Ion: 99 Resp: 240286

Ion Ratio Lower Upper

99 100

42 17.4 14.5 21.7

71 32.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 3.939 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109552.D

Acq: 3 Oct 2018 17:51

Tgt Ion: 70 Resp: 18341

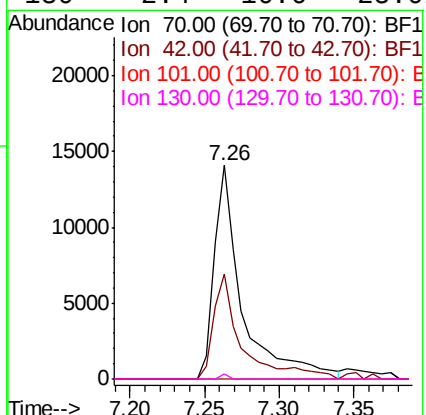
Ion Ratio Lower Upper

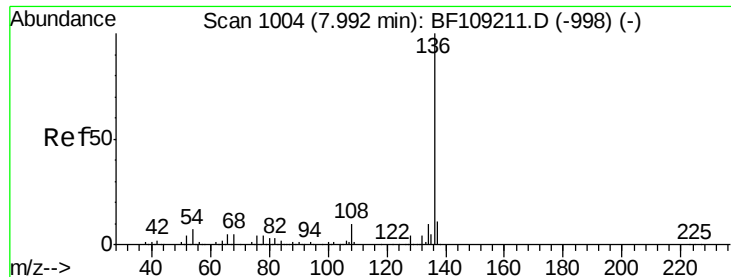
70 100

42 49.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

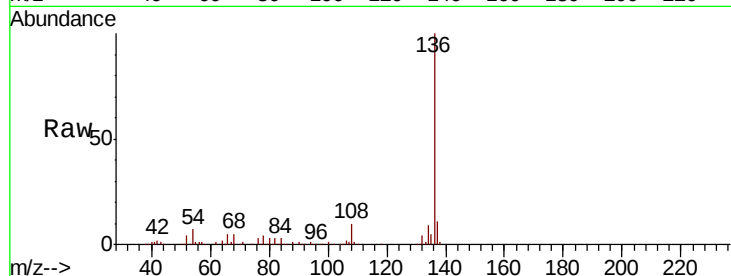




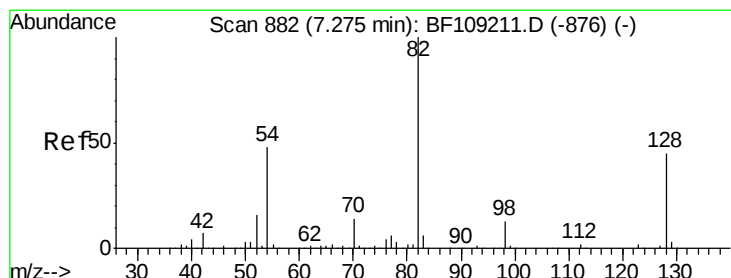
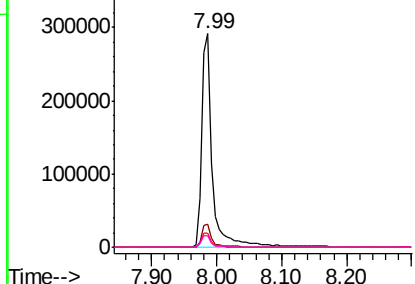
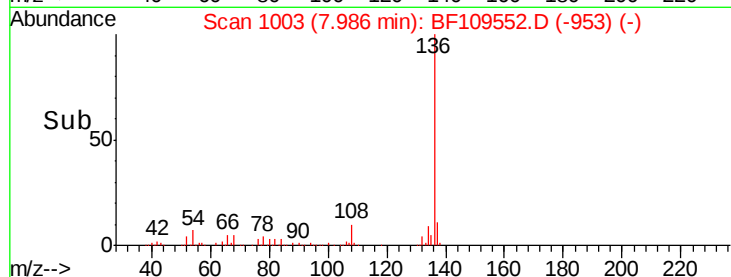
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	330429
Ion Ratio	Lower	Upper
136 100		
137 10.7	8.9	13.3
54 6.7	6.6	9.8
68 5.1	5.0	7.4

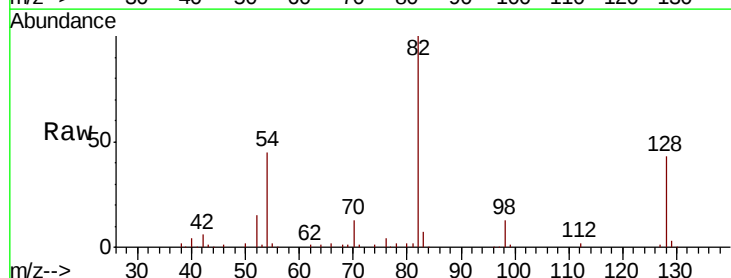


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

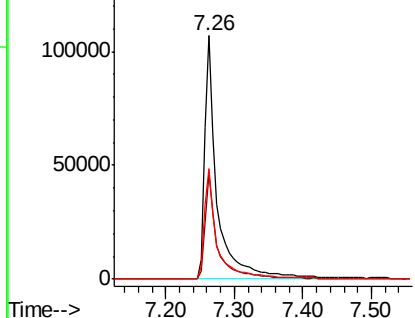
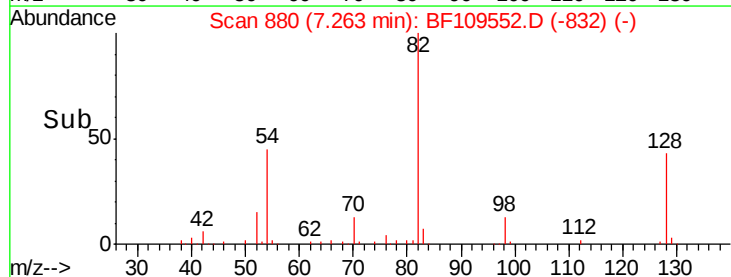


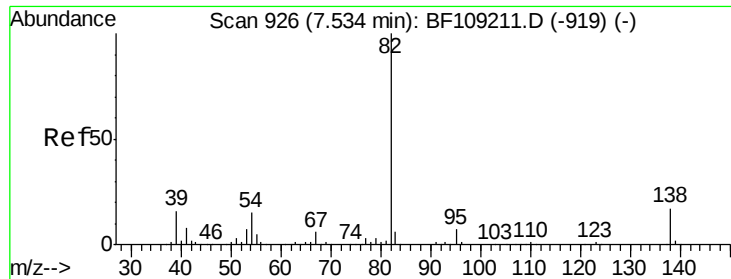
#23
Nitrobenzene-d5
Concen: 25.404 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion: 82	Resp: 142201
Ion Ratio	Lower Upper
82 100	
128 43.5	36.1 54.1
54 45.4	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

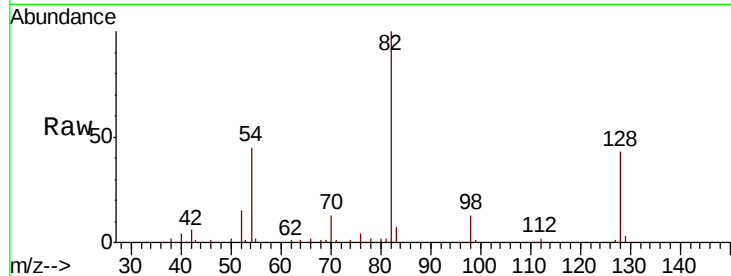




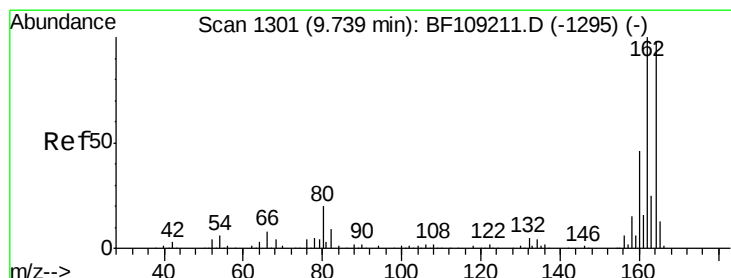
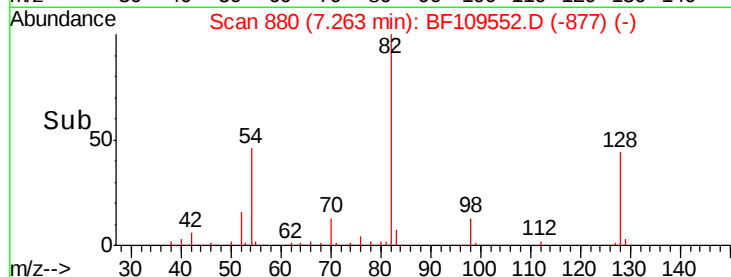
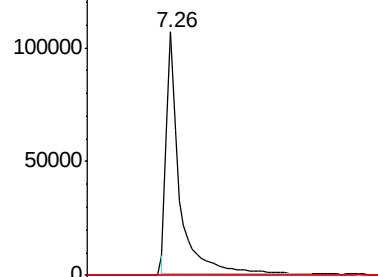
#25
Isophorone
Concen: 13.052 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 131563
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

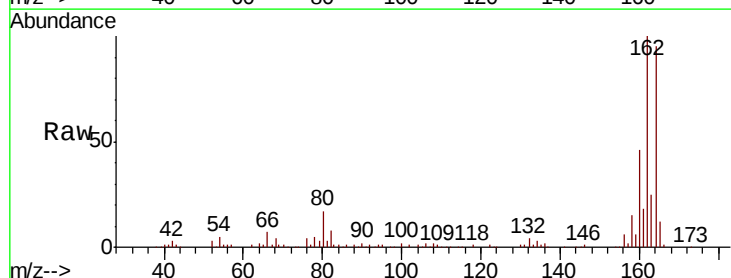


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

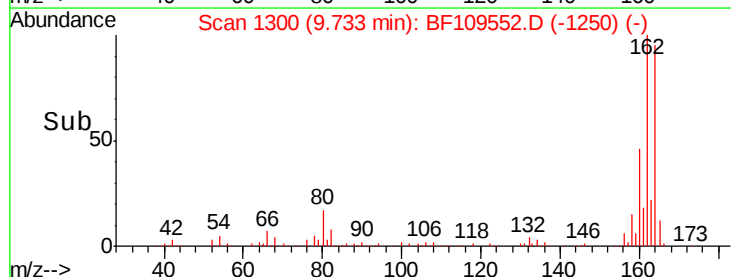
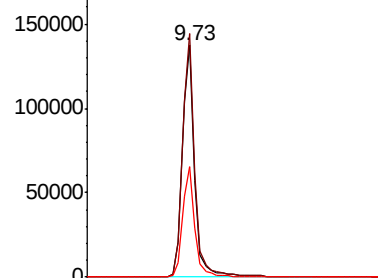


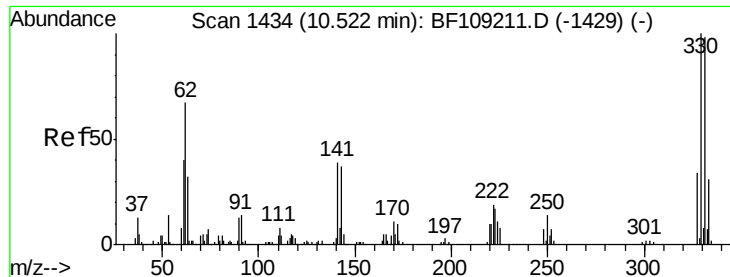
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:164 Resp: 127065
Ion Ratio Lower Upper
164 100
162 105.0 86.1 129.1
160 47.9 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

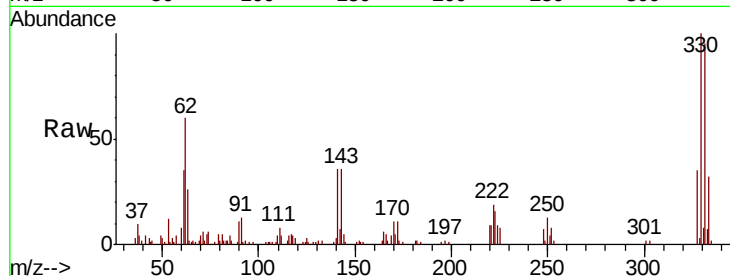




#41
 2,4,6-Tribromophenol
 Concen: 34.064 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109552.D
 Acq: 3 Oct 2018 17:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	36.1	29.9	44.9

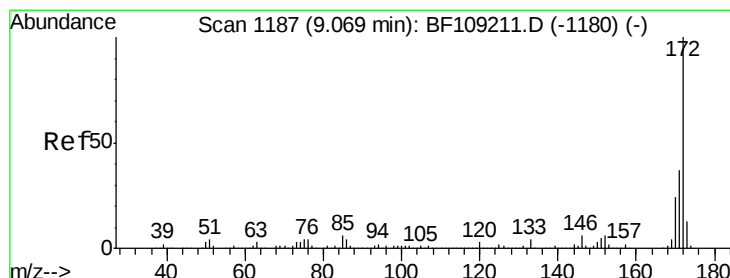
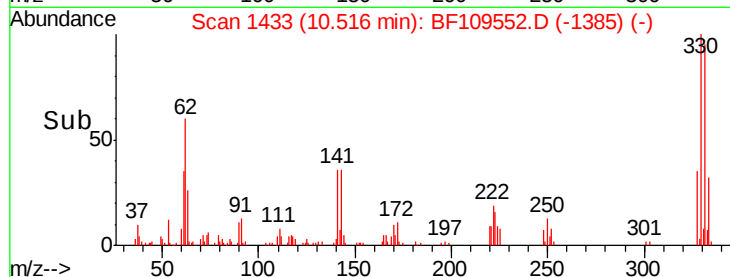
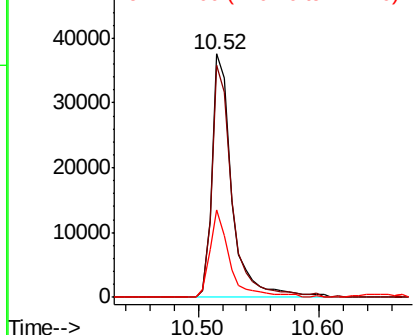


Abundance

Ion 329.80 (329.50 to 330.50): E

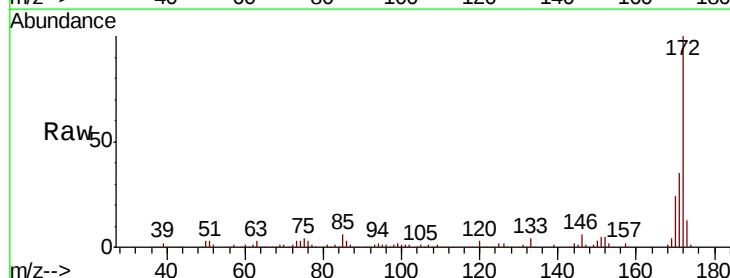
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 27.375 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109552.D
 Acq: 3 Oct 2018 17:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.8	19.6	29.4

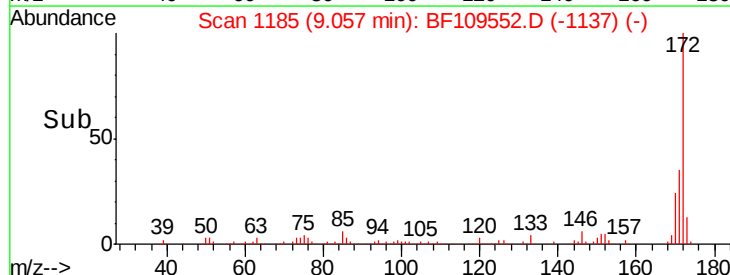
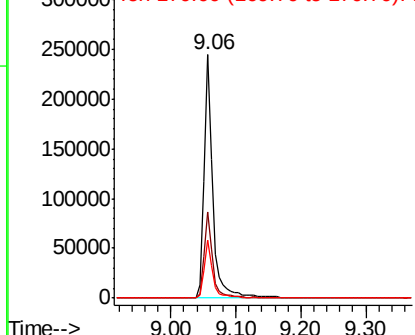


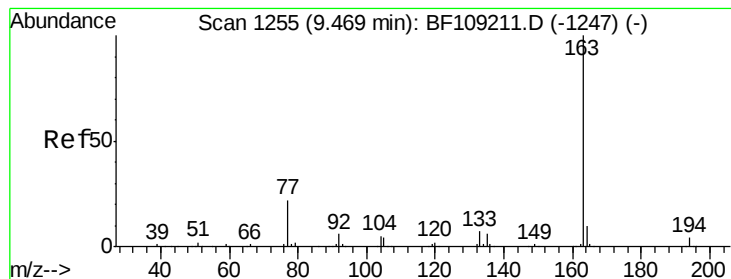
Abundance

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: 8.217 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.03 min

Lab File: BF109552.D

Acq: 3 Oct 2018 17:51

Instrument :

BNA_F

ClientSampleId :

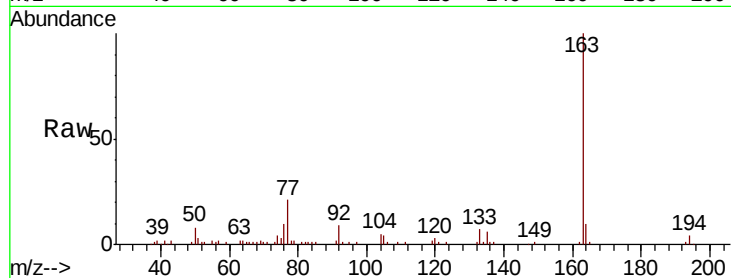
Tot Ion:163 Resp: 75939

Ion Ratio Lower Upper

163 100

194 4.3 2.7 4.1#

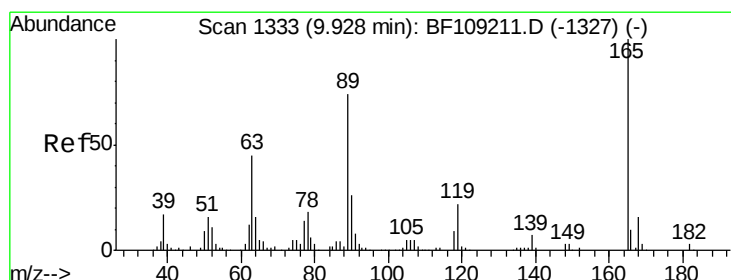
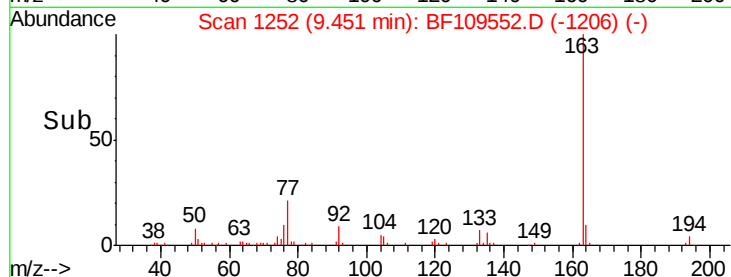
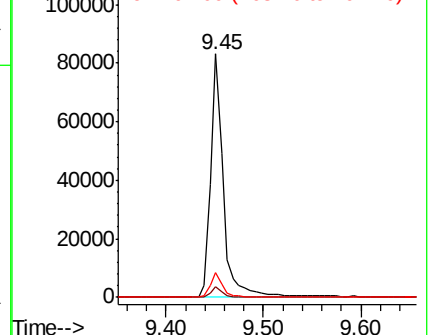
164 10.4 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 7.154 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.21 min

Lab File: BF109552.D

Acq: 3 Oct 2018 17:51

Tgt Ion:165 Resp: 16569

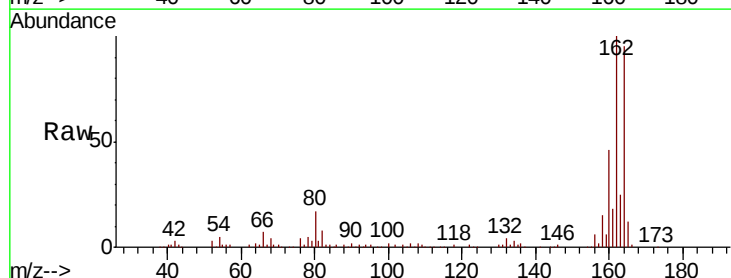
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 2.1 57.8 86.6#

182 0.0 1.6 2.4#

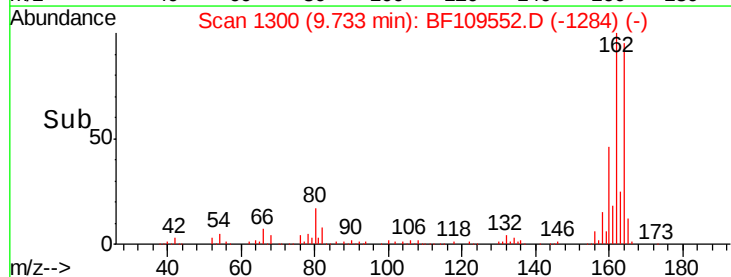
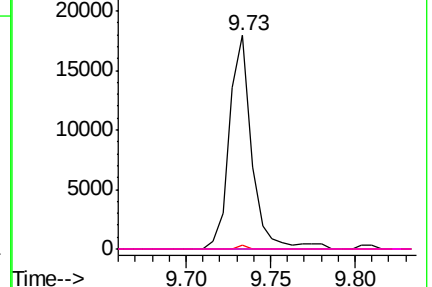


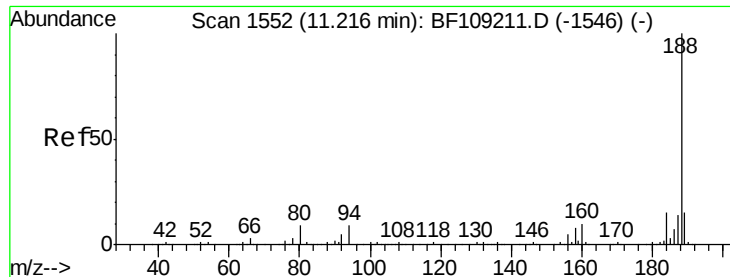
Abundance Ion 165.00 (164.70 to 165.70): E

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

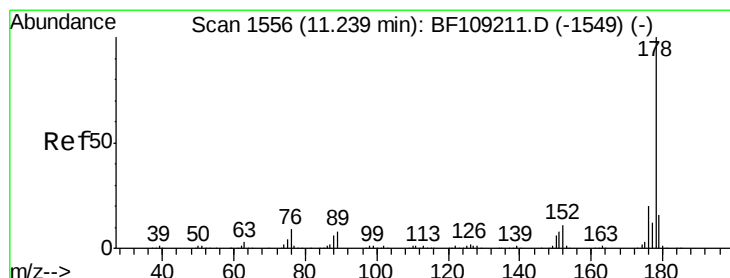
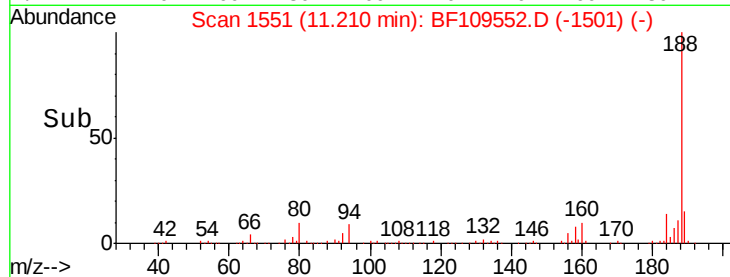
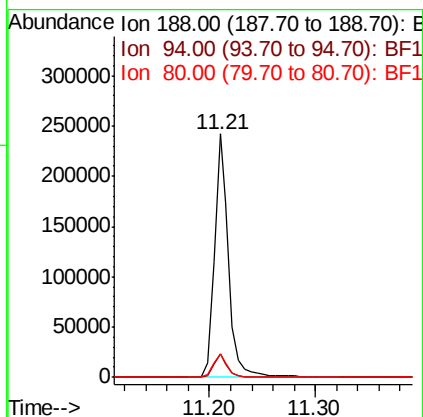
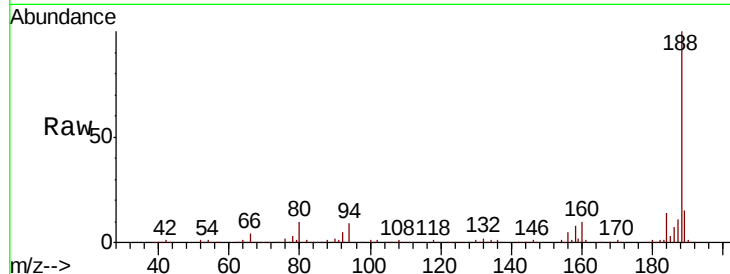




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109552.D
 Acq: 3 Oct 2018 17:51

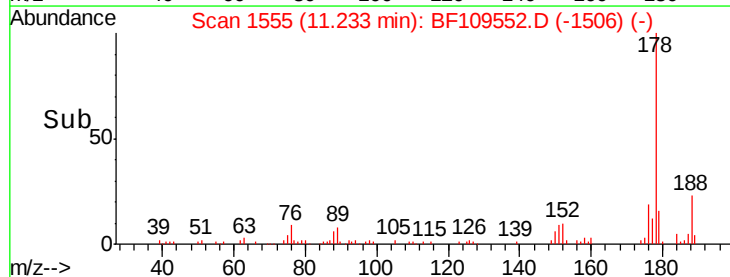
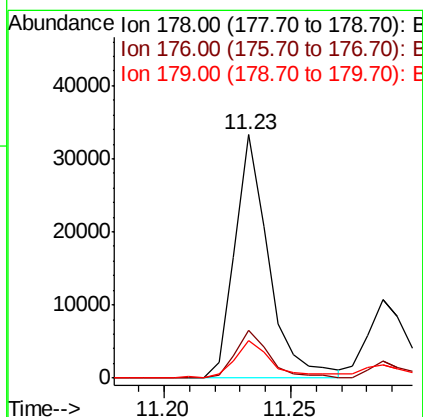
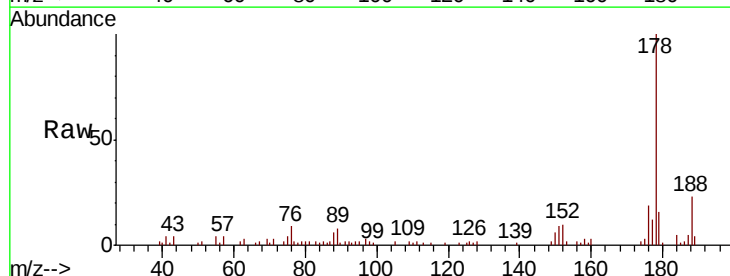
Instrument :
 BNA_F
 ClientSampleId :

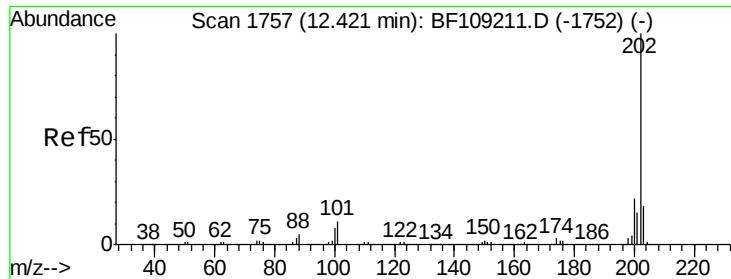
Tot Ion:188 Resp: 227949
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.5 12.7
 80 9.7 9.2 13.8



#70
 Phenanthrene
 Concen: 2.709 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF109552.D
 Acq: 3 Oct 2018 17:51

Tgt Ion:178 Resp: 30833
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.5 13.0 19.6





#74

Fluoranthene

Concen: 5.811 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF109552.D

Acq: 3 Oct 2018 17:51

Instrument :

BNA_F

ClientSampleId :

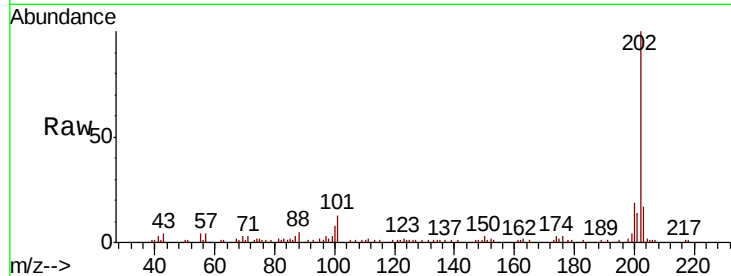
Tot Ion:202 Resp: 70683

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

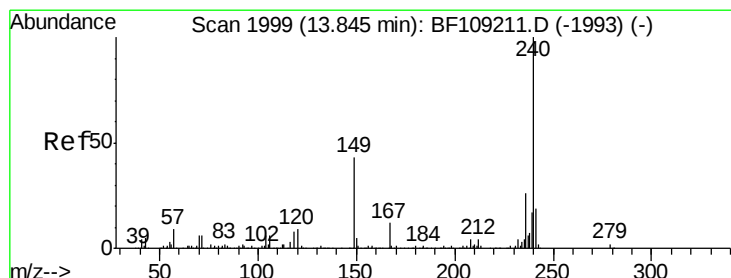
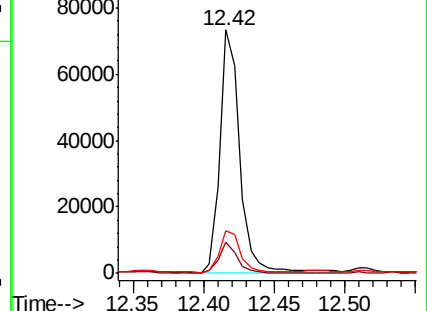
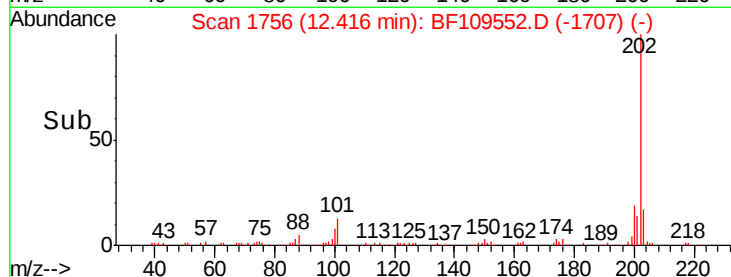
203 17.4 0.0 38.1



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: BF109552.D

Acq: 3 Oct 2018 17:51

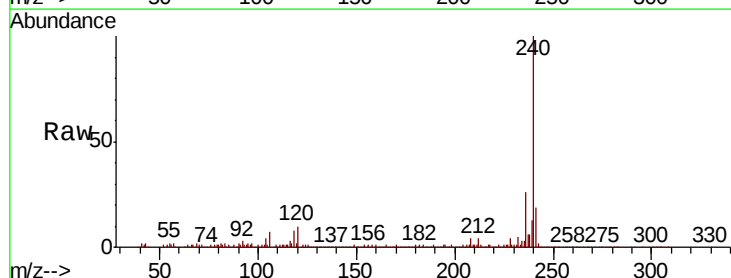
Tgt Ion:240 Resp: 235809

Ion Ratio Lower Upper

240 100

120 10.3 9.5 14.3

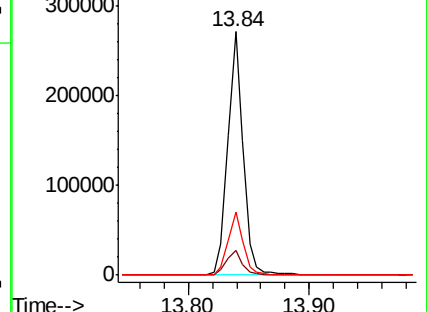
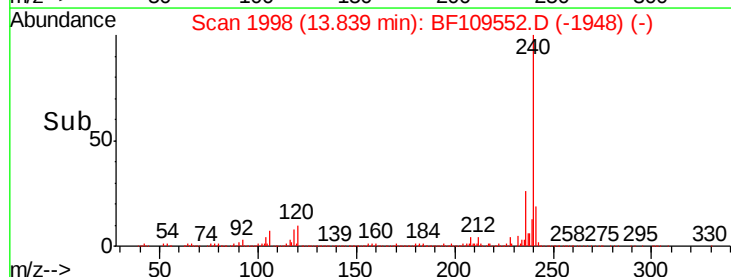
236 25.9 20.7 31.1

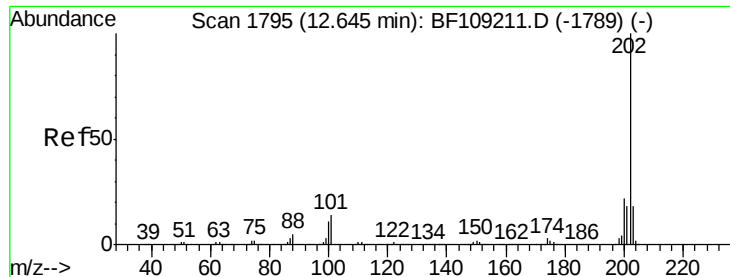


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

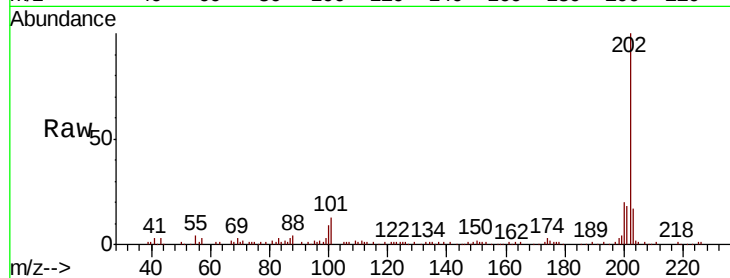




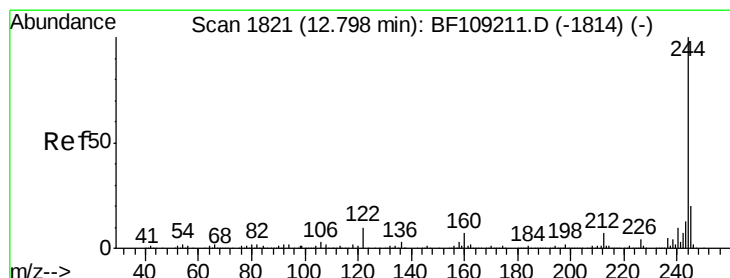
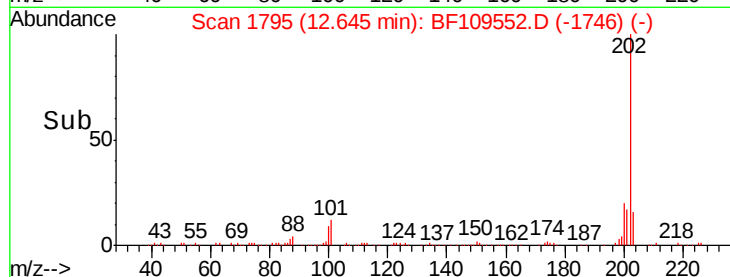
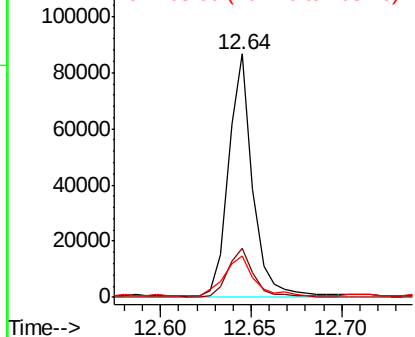
#77
Pvrene
Concen: 4.800 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 81124
Ion Ratio Lower Upper
202 100
200 20.2 17.4 26.2
203 17.0 14.3 21.5

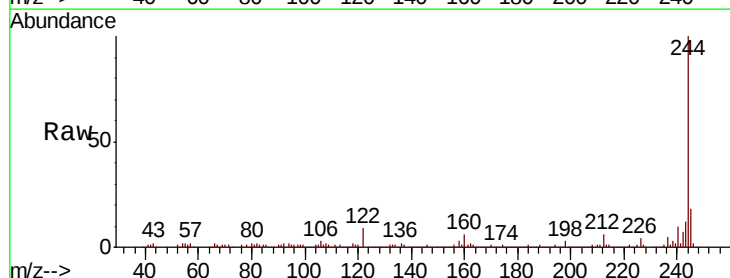


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

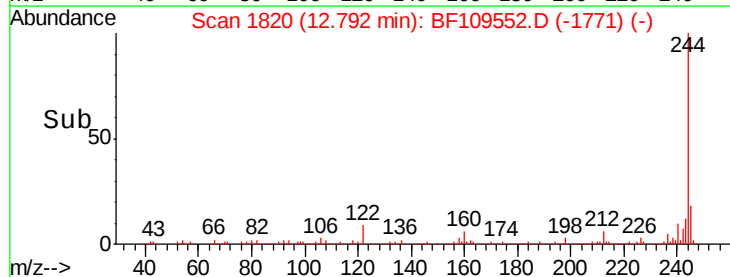
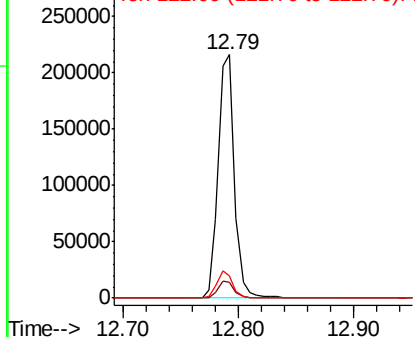


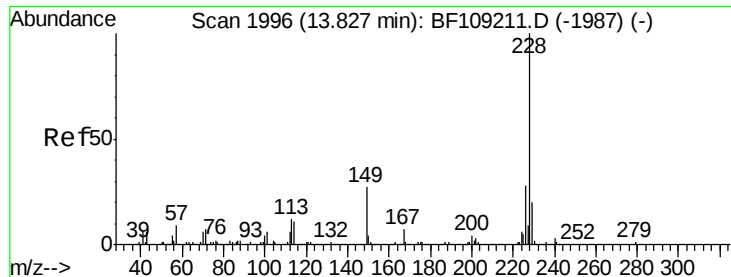
#78
Terphenyl-d14
Concen: 22.089 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:244 Resp: 212241
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 9.1 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

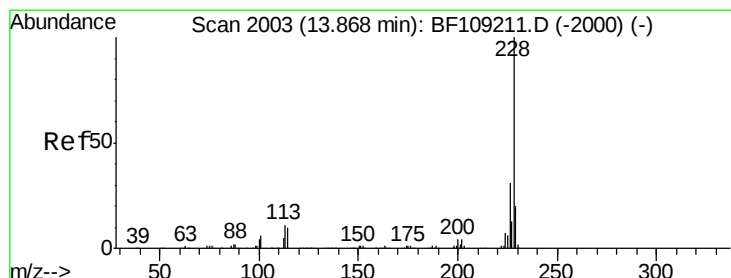
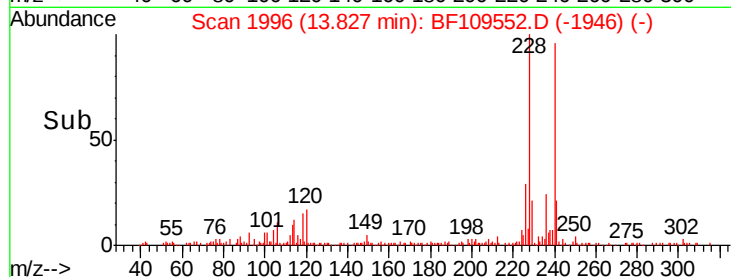
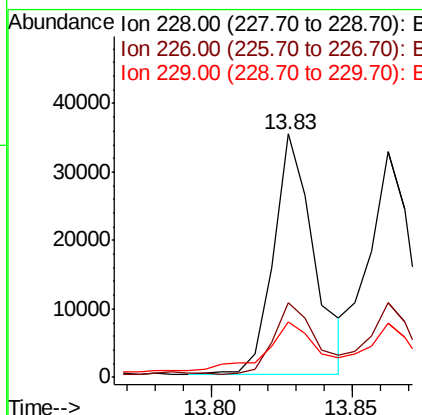
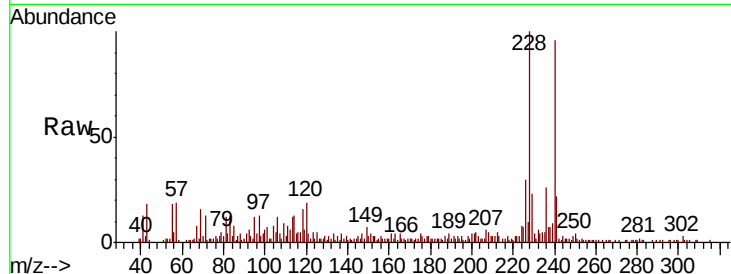




#80
Benzo(a)anthracene
Concen: 2.468 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

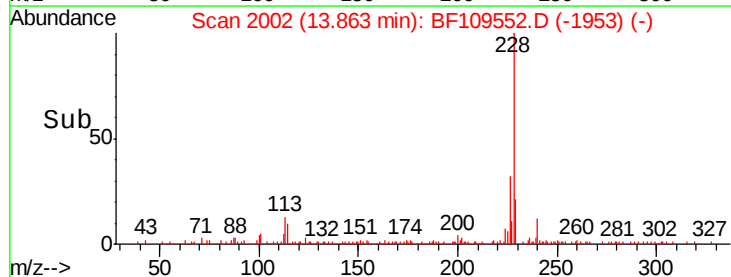
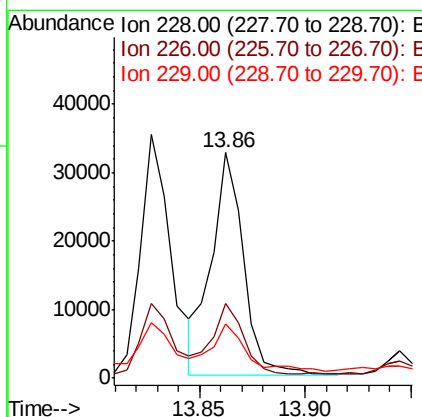
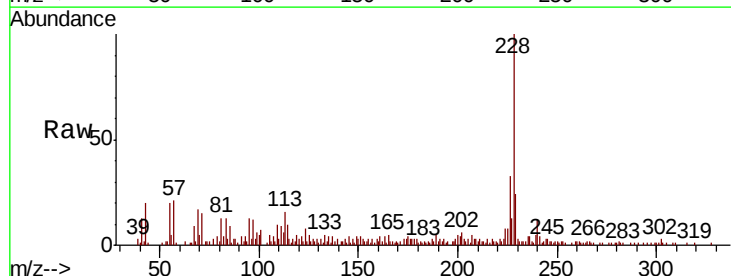
Instrument :
BNA_F
ClientSampleId :

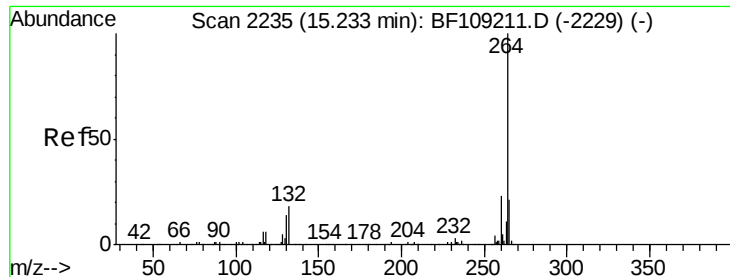
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	22.8	15.8	23.6



#82
Chrysene
Concen: 2.461 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	25.0	37.6
229	24.1	16.2	24.4



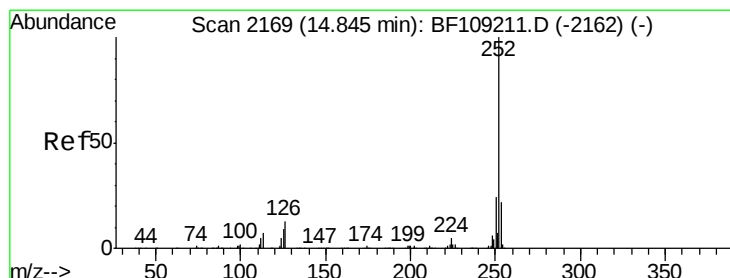
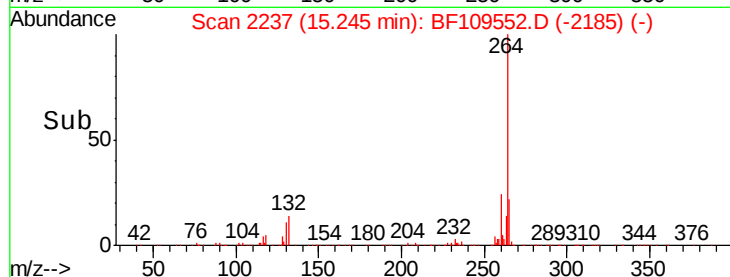
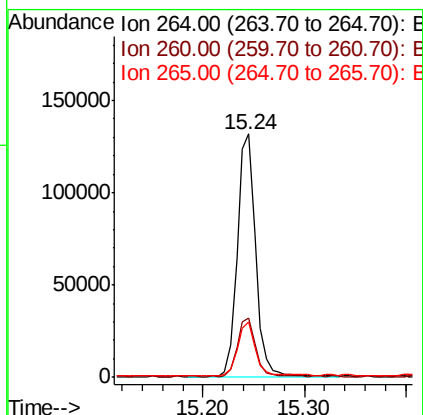
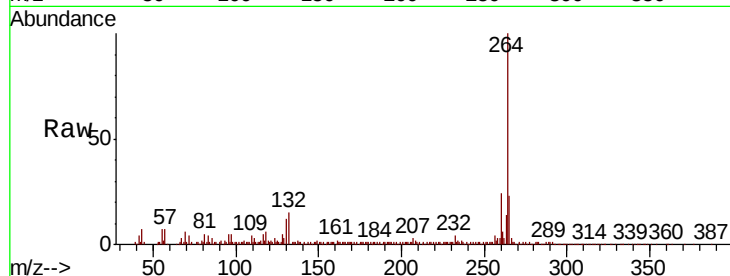


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 162992

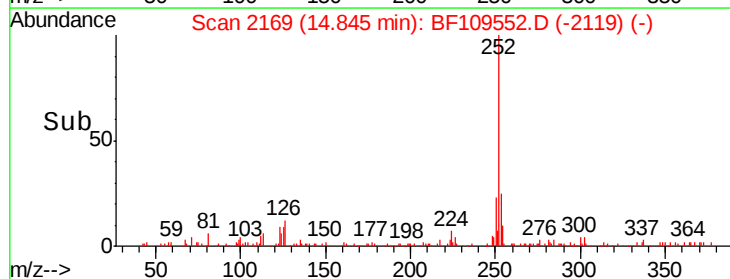
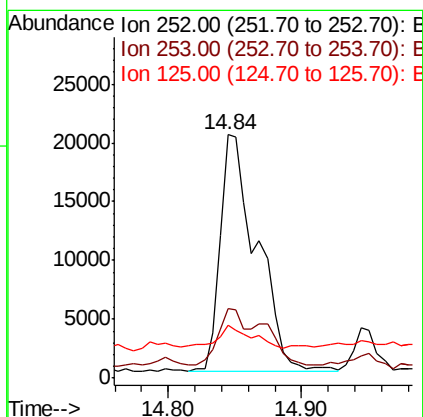
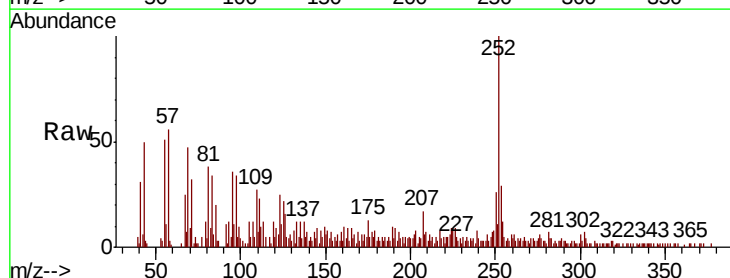
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	23.0	17.5	26.3

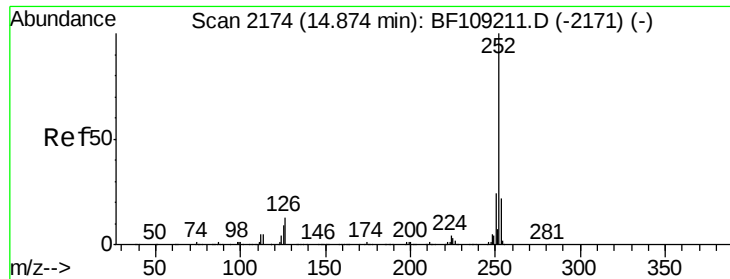


#87
Benzo(b)fluoranthene
Concen: 4.308 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion:252 Resp: 38585

Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.0	25.6#
125	21.5	9.0	13.6#

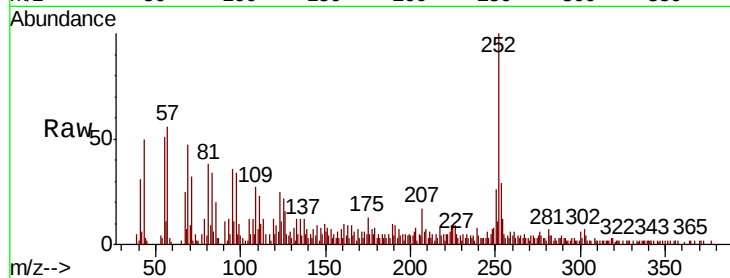




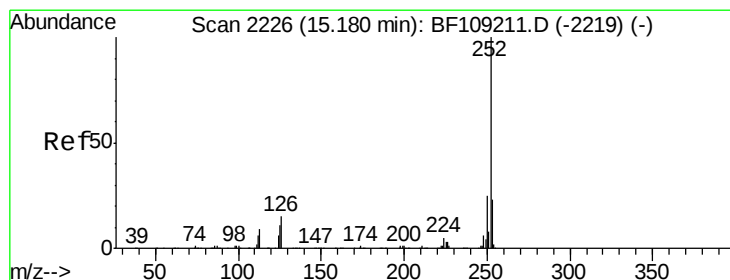
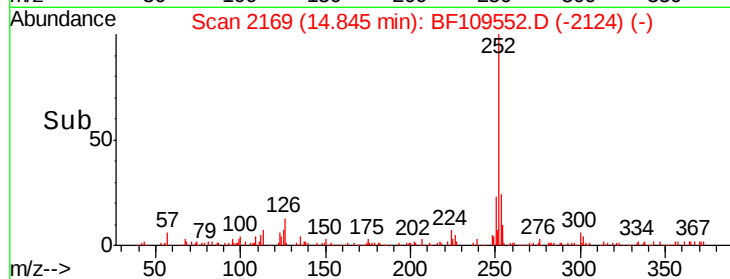
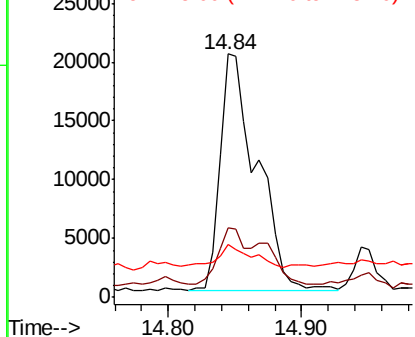
#88
Benzo(k)fluoranthene
Concen: 4.540 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.9	26.9#
125	21.5	10.2	15.2#

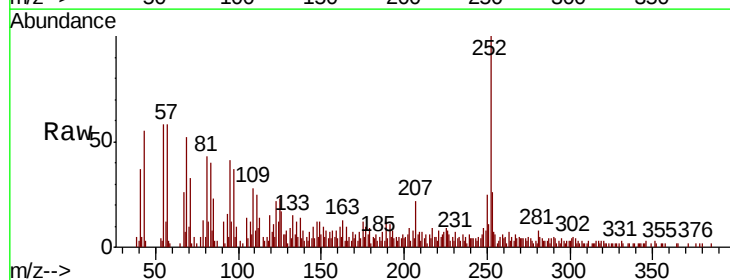


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.406 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF109552.D
Acq: 3 Oct 2018 17:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.1	25.7#
125	23.2	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

