

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
 Data File : BF109547.D
 Acq On : 3 Oct 2018 15:40
 Operator : JU/SJ
 Sample : J5220-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 17:15:25 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

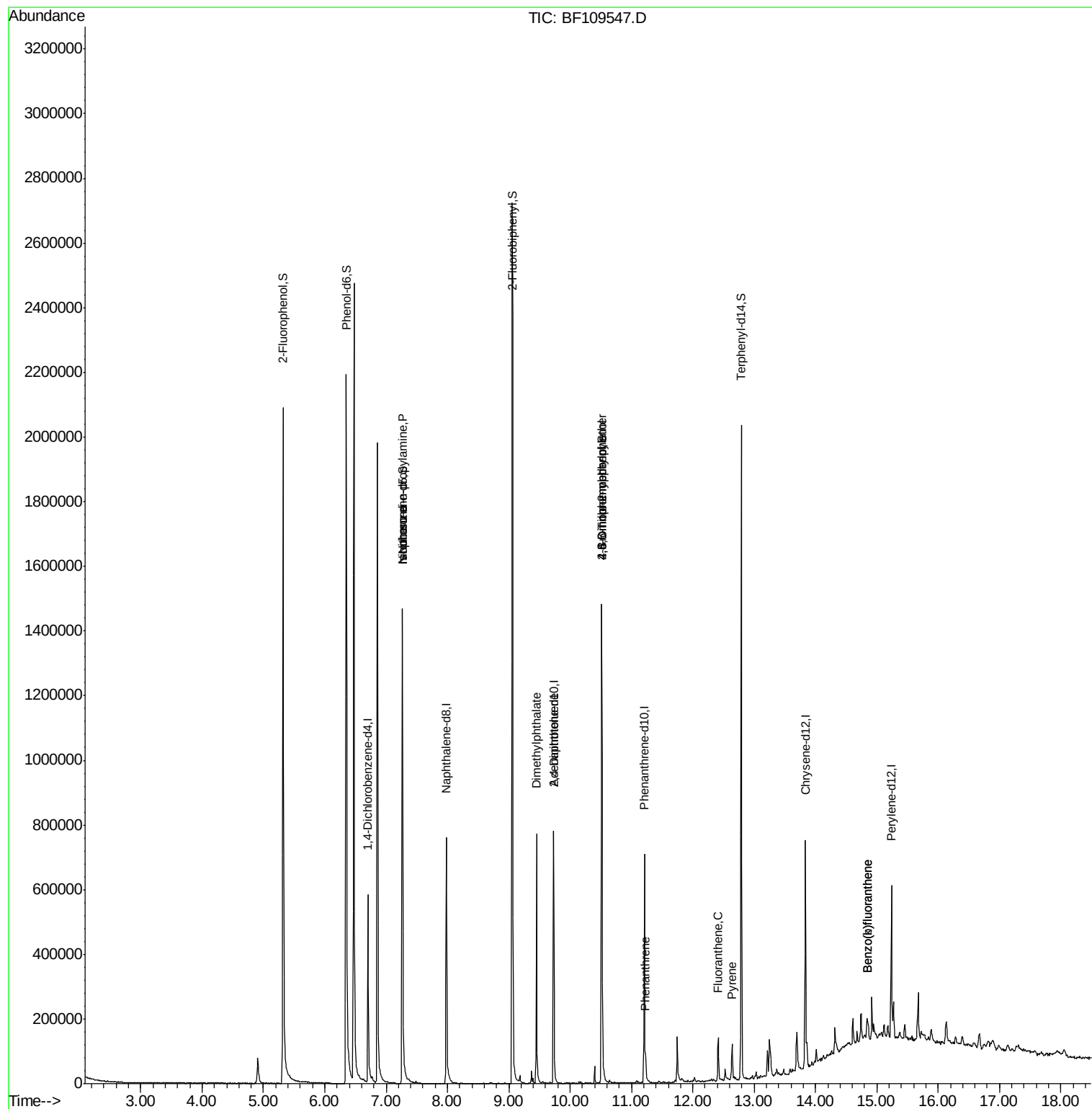
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	111677	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	410858	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	172981	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	274913	20.00	ng	0.00
75) Chrysene-d12	13.84	240	252709	20.00	ng	0.00
86) Perylene-d12	15.24	264	226010	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	725323	106.97	ng	0.00
7) Phenol-d6	6.35	99	962381	111.23	ng	0.00
23) Nitrobenzene-d5	7.27	82	617219	88.68	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	195066	114.39	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	971345	84.69	ng	-0.02
78) Terphenyl-d14	12.79	244	712143	69.16	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	82380	14.531	ng	# 77
25) Isophorone	7.27	82	599681	47.848	ng	# 64
49) Dimethylphthalate	9.45	163	311313	24.744	ng	100
56) 2,4-Dinitrotoluene	9.73	165	21183	6.719	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.52	198	162	6.647	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	11954	3.916	ng	# 1
70) Phenanthrene	11.23	178	27611	2.012	ng	95
74) Fluoranthene	12.42	202	60853	4.148	ng	93
77) Pyrene	12.64	202	47172	2.605	ng	97
87) Benzo(b)fluoranthene	14.84	252	44296	3.567	ng	# 91
88) Benzo(k)fluoranthene	14.84	252	44296	3.759	ng	94

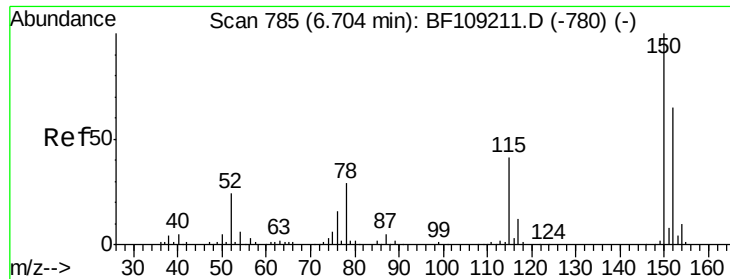
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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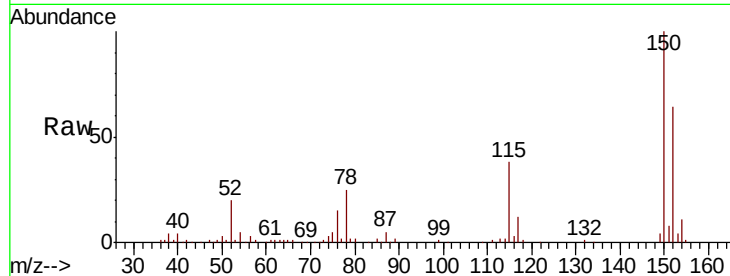


#1

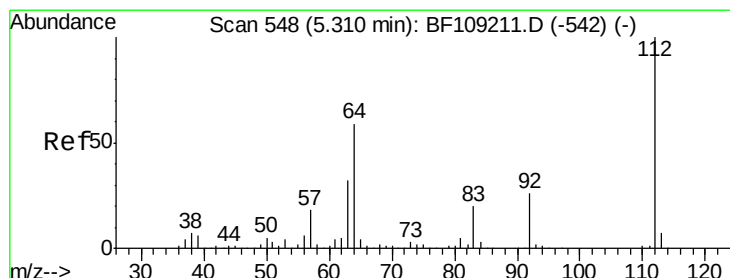
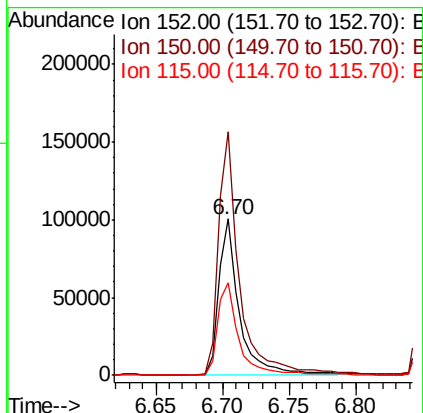
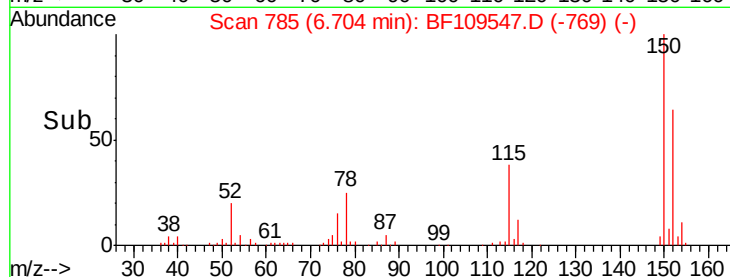
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109547.D
Acq: 3 Oct 2018 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 111677
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 58.9 50.1 75.1



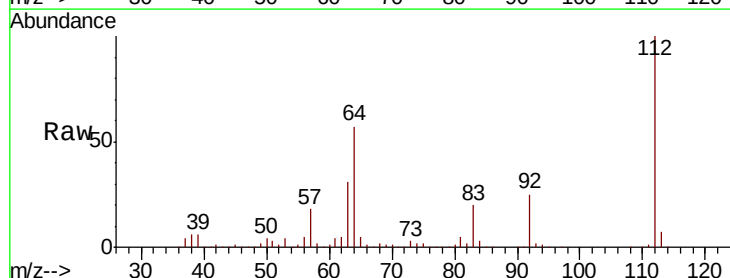
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



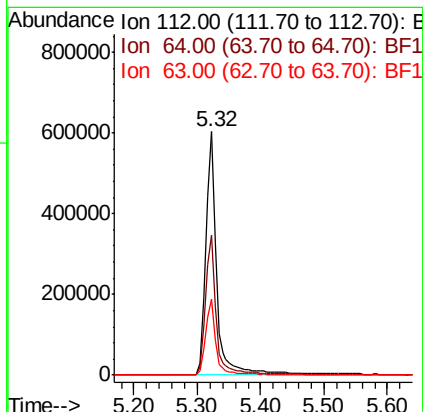
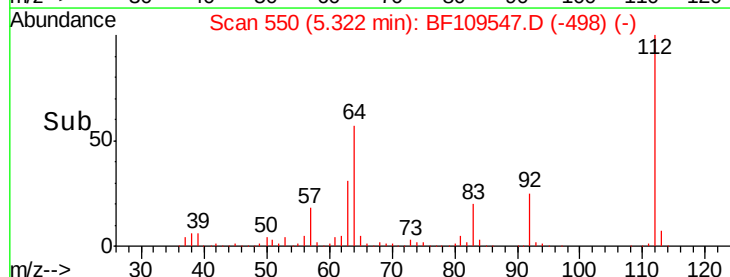
#5

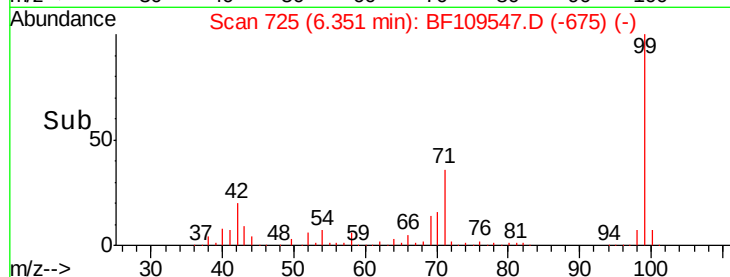
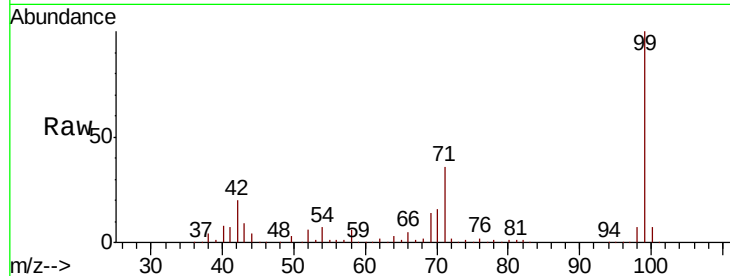
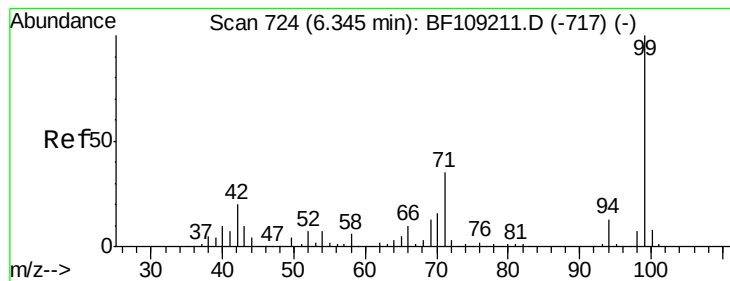
2-Fluorophenol
Concen: 106.975 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF109547.D
Acq: 3 Oct 2018 15:40

Tgt Ion:112 Resp: 725323
Ion Ratio Lower Upper
112 100
64 57.3 47.9 71.9
63 31.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 111.233 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109547.D

Acq: 3 Oct 2018 15:40

Instrument :

BNA_F

ClientSampled :

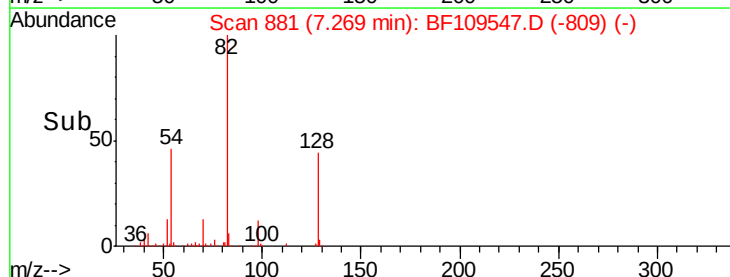
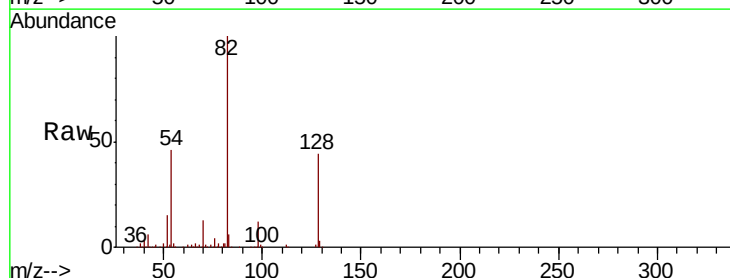
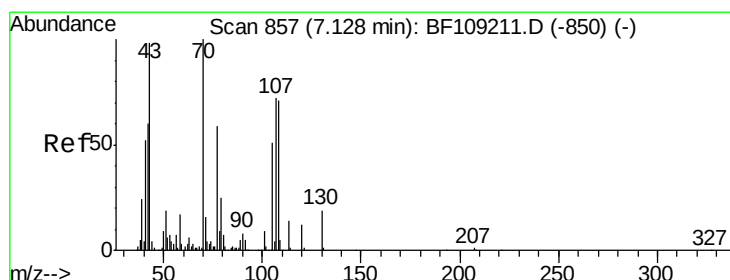
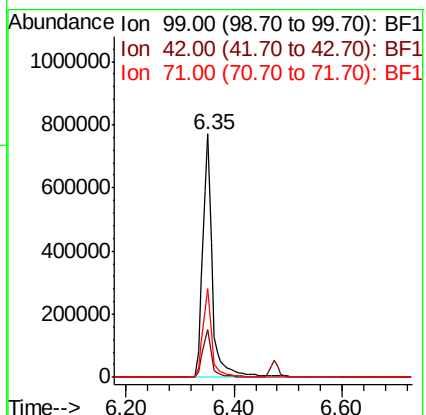
Tot Ion: 99 Resp: 962381

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 36.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.531 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109547.D

Acq: 3 Oct 2018 15:40

Tgt Ion: 70 Resp: 82380

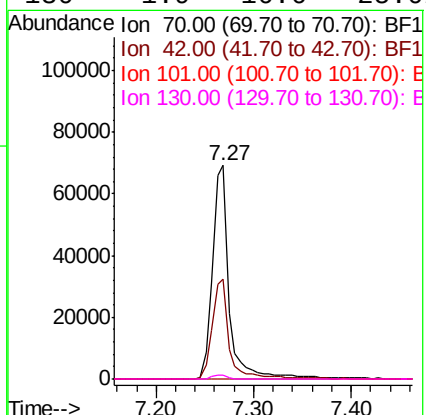
Ion Ratio Lower Upper

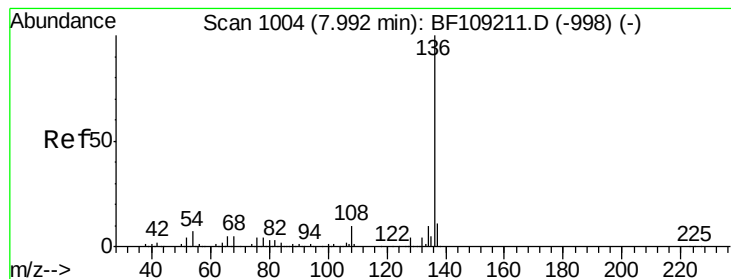
70 100

42 46.5 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF109547.D

Acq: 3 Oct 2018 15:40

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 410858

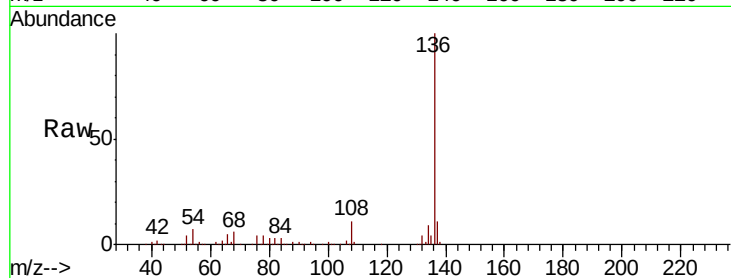
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.3 6.6 9.8

68 5.7 5.0 7.4

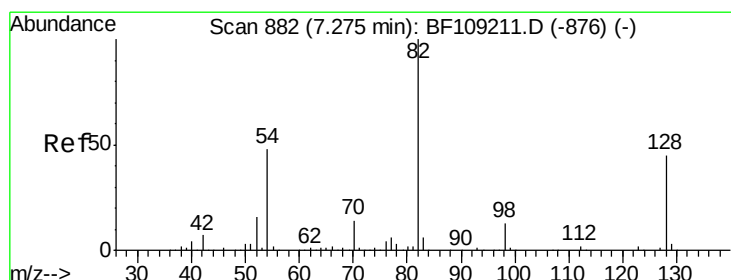
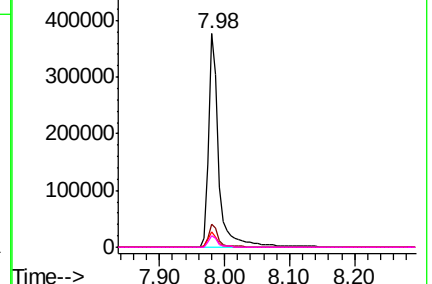
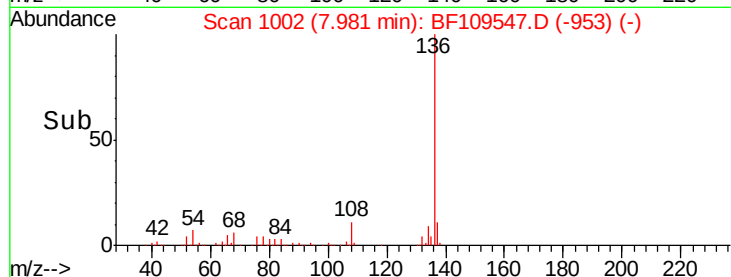


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.681 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109547.D

Acq: 3 Oct 2018 15:40

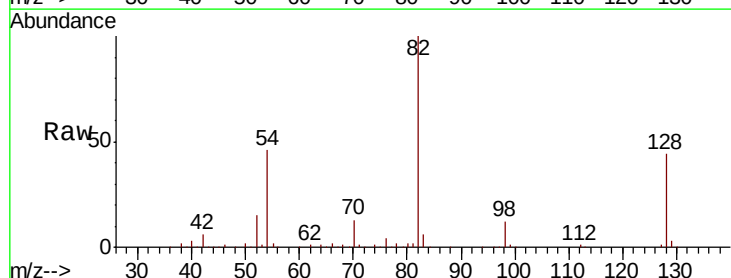
Tgt Ion: 82 Resp: 617219

Ion Ratio Lower Upper

82 100

128 44.3 36.1 54.1

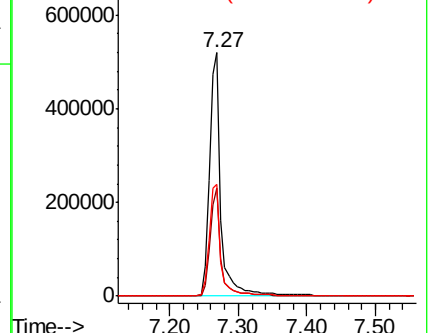
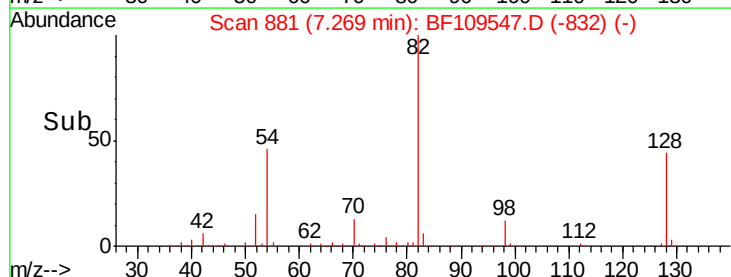
54 46.0 41.4 62.2

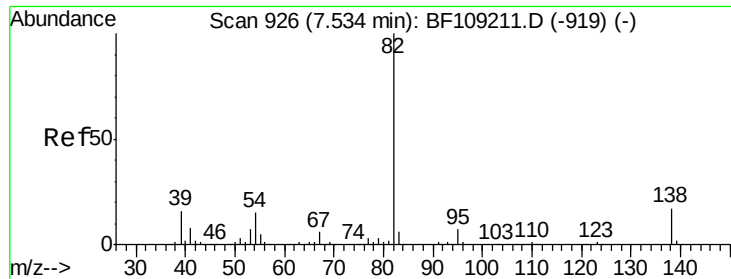


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

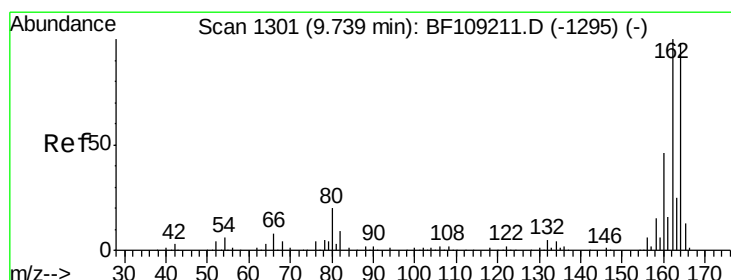
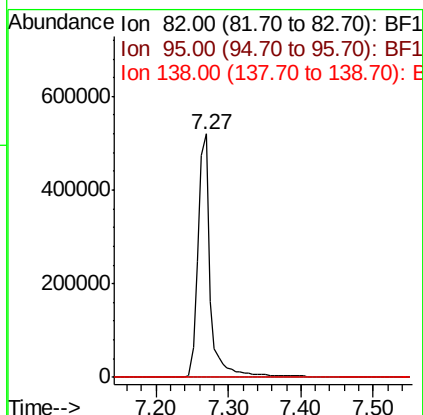
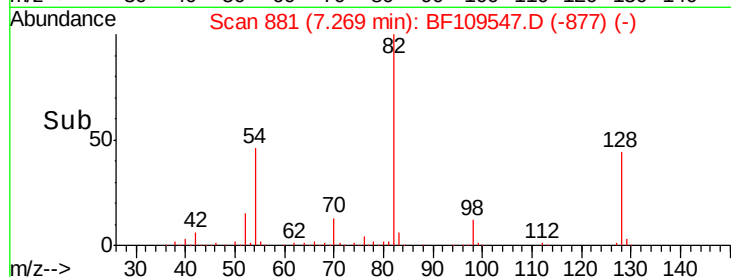
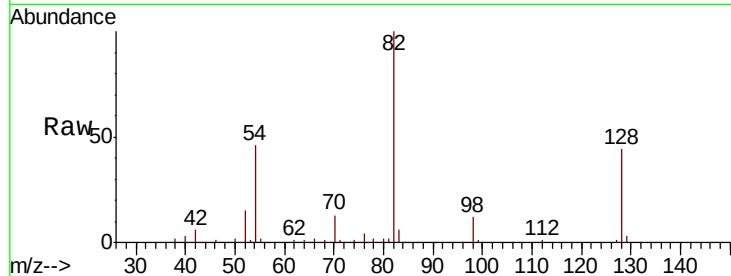




#25
Isophorone
Concen: 47.848 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF109547.D
Acq: 3 Oct 2018 15:40

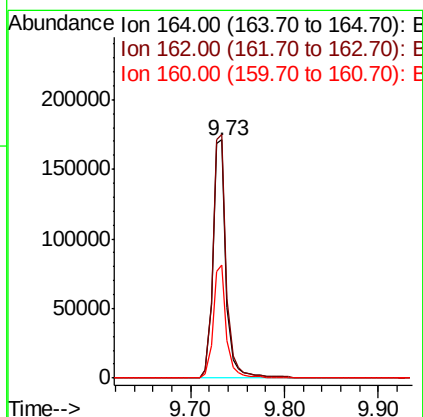
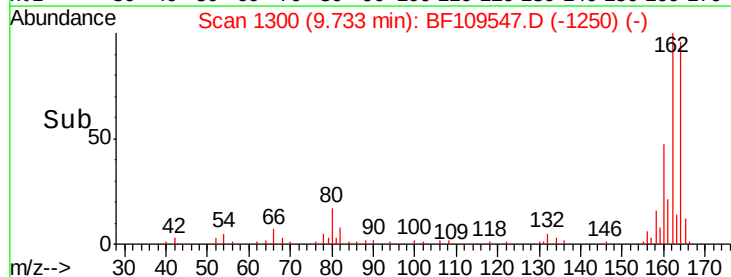
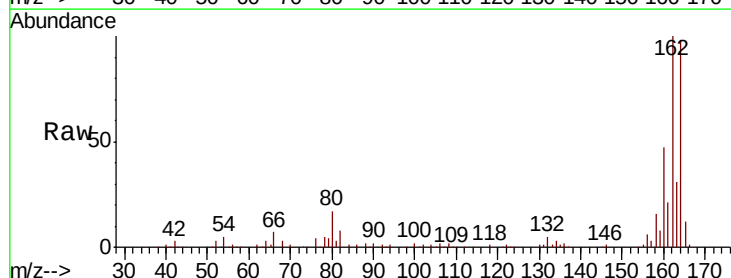
Instrument :
BNA_F
ClientSampleId :

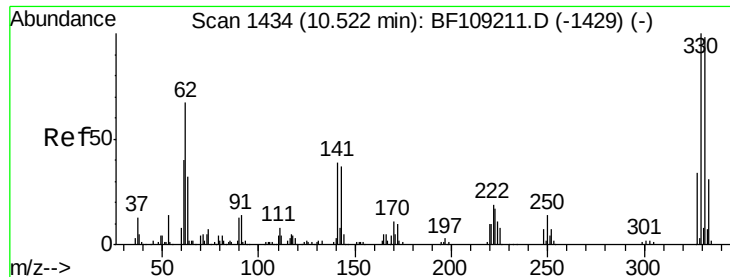
Tot Ion: 82 Resp: 599681
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109547.D
Acq: 3 Oct 2018 15:40

Tgt Ion: 164 Resp: 172981
Ion Ratio Lower Upper
164 100
162 102.2 86.1 129.1
160 47.7 38.3 57.5

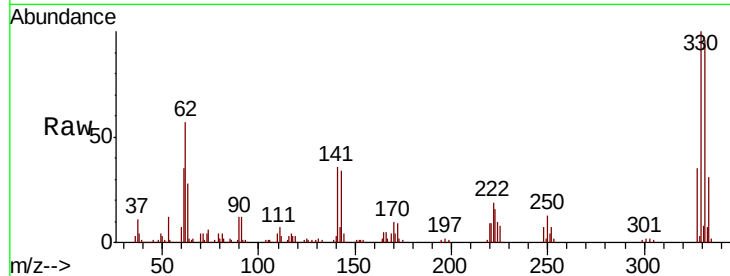




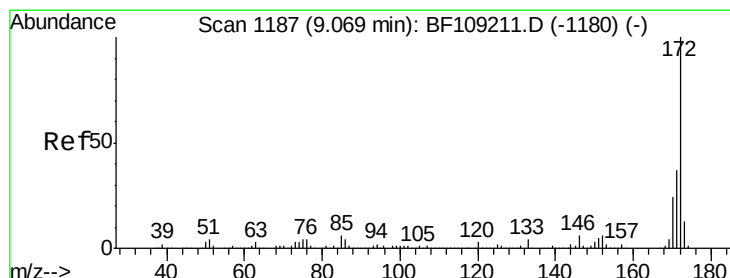
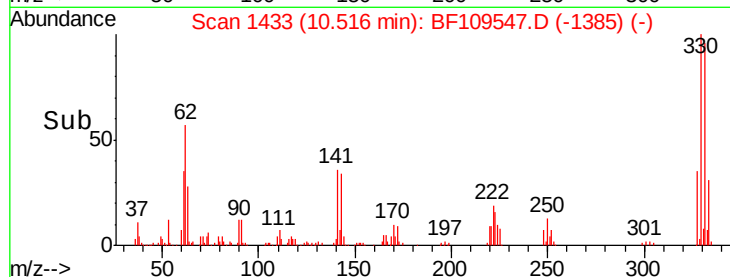
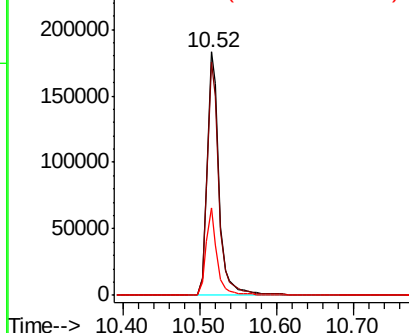
#41
 2,4,6-Tribromophenol
 Concen: 114.393 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109547.D
 Acq: 3 Oct 2018 15:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 195066
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 33.3 29.9 44.9

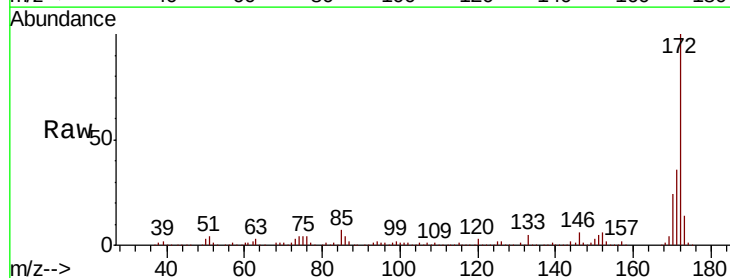


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

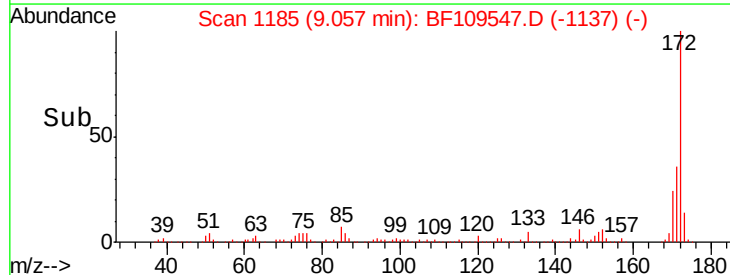
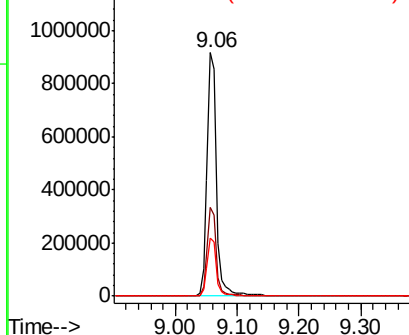


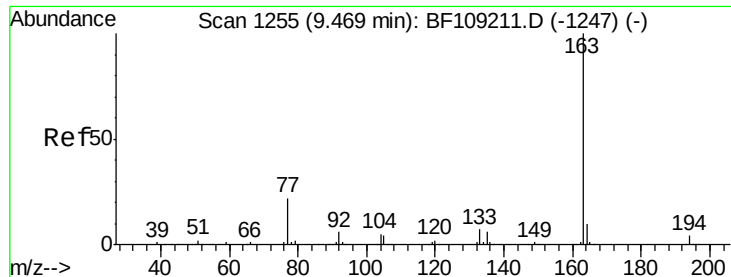
#44
 2-Fluorobiphenyl
 Concen: 84.690 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109547.D
 Acq: 3 Oct 2018 15:40

Tgt Ion:172 Resp: 971345
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 23.9 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

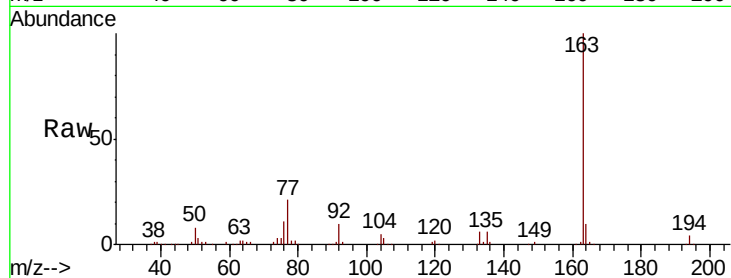




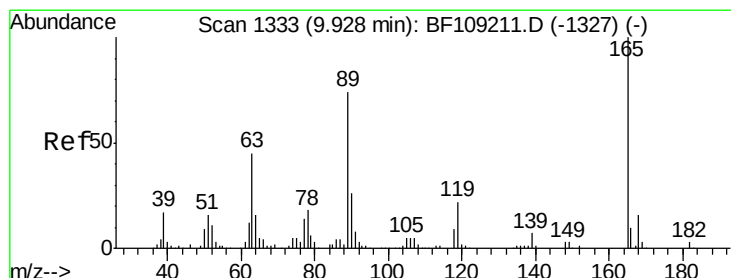
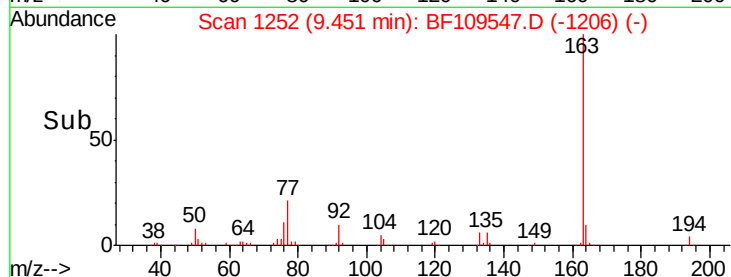
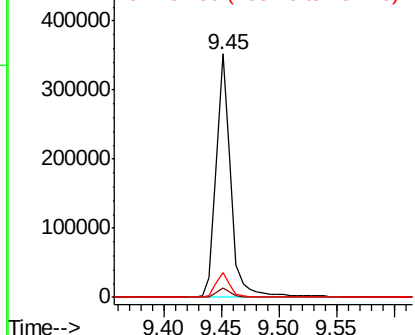
#49
Dimethylphthalate
Concen: 24.744 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109547.D
Acq: 3 Oct 2018 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 311313
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.3 8.2 12.2

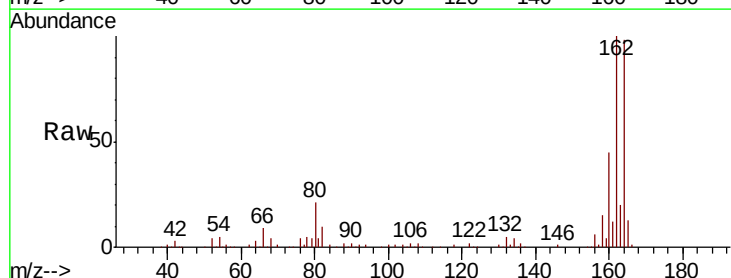


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

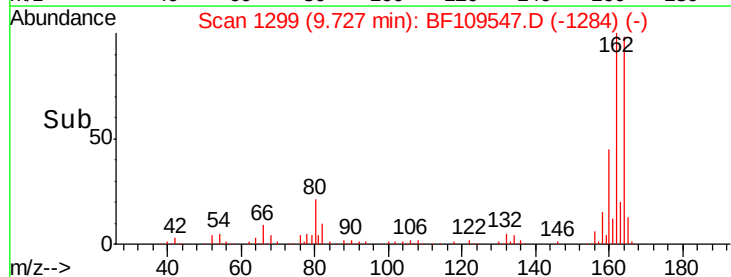
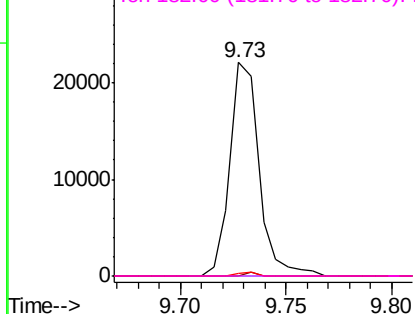


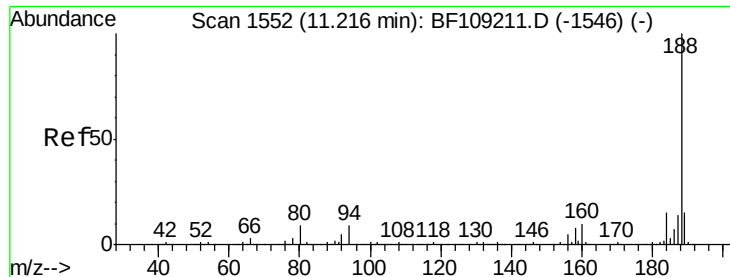
#56
2,4-Dinitrotoluene
Concen: 6.719 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.21 min
Lab File: BF109547.D
Acq: 3 Oct 2018 15:40

Tgt Ion:165 Resp: 21183
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 1.5 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: BF109547.D

Acq: 3 Oct 2018 15:40

Instrument :

BNA_F

ClientSampleId :

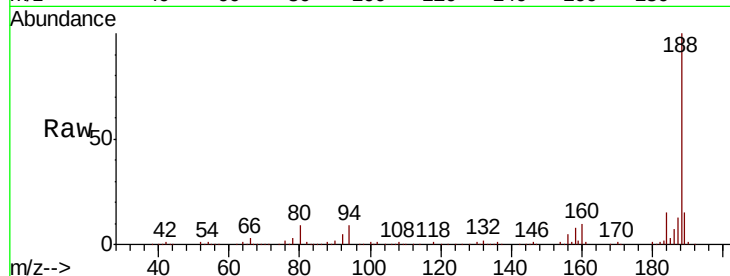
Tot Ion:188 Resp: 274913

Ion Ratio Lower Upper

188 100

94 8.8 8.5 12.7

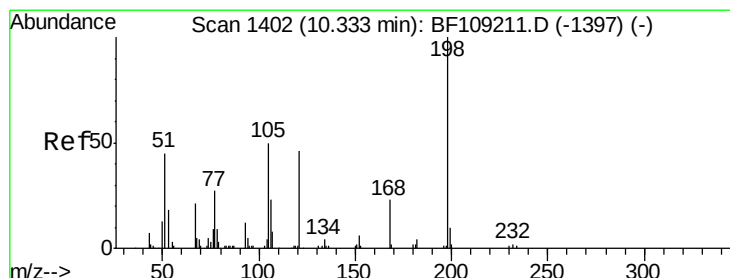
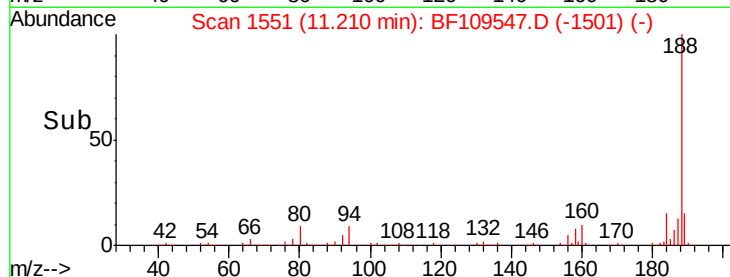
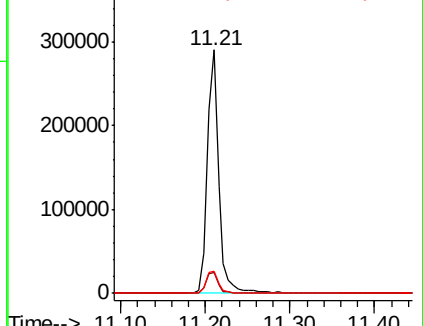
80 9.0 9.2 13.8#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 6.647 ng

RT: 10.52 min Scan# 1433

Delta R.T. 0.17 min

Lab File: BF109547.D

Acq: 3 Oct 2018 15:40

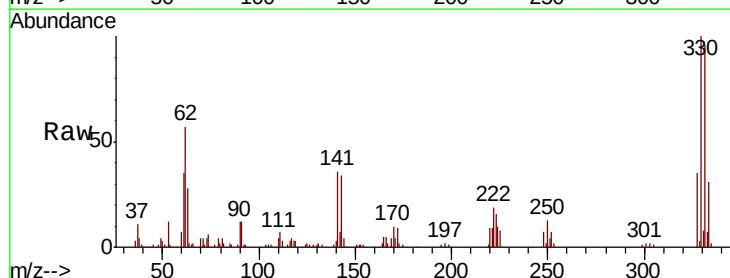
Tgt Ion:198 Resp: 162

Ion Ratio Lower Upper

198 100

51 247.2 37.7 77.7#

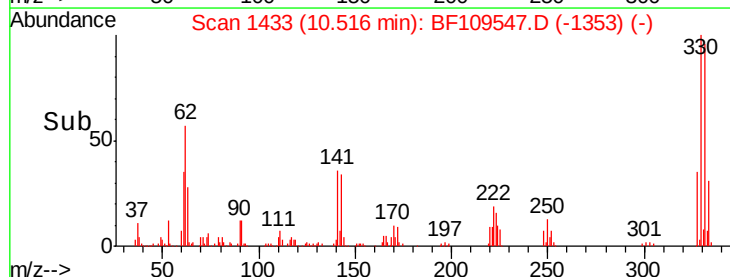
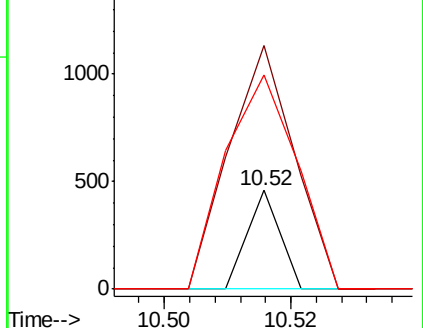
105 216.8 36.3 76.3#

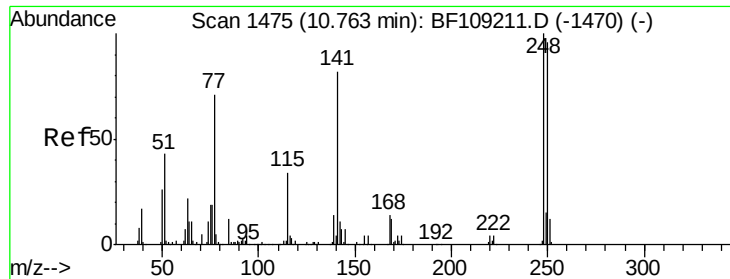


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

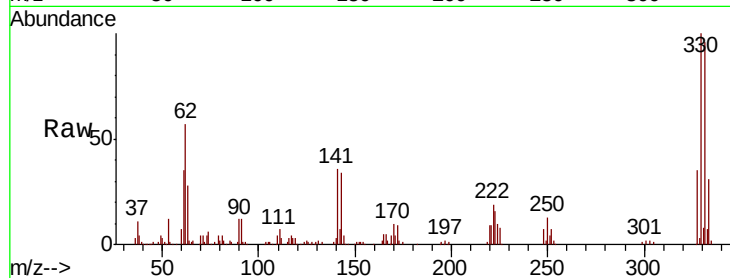




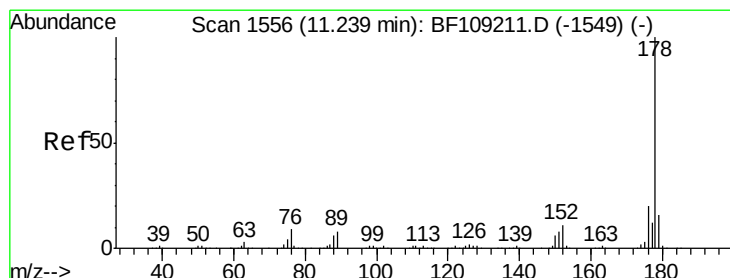
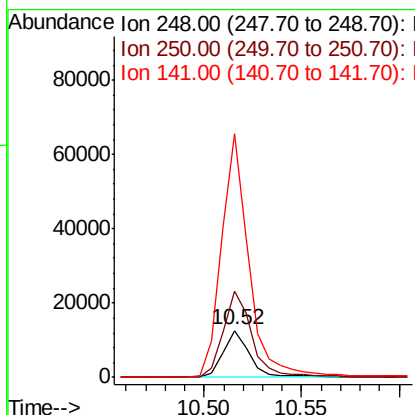
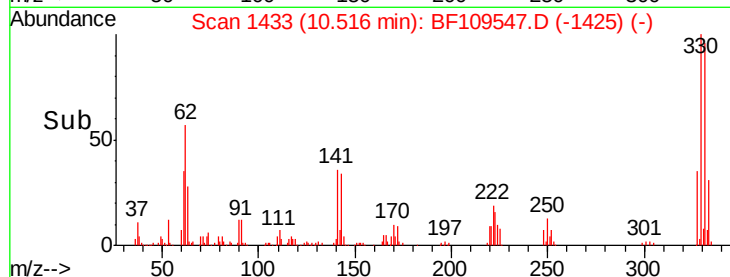
#66
4-Bromophenyl-phenylether
Concen: 3.916 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.25 min
Lab File: BF109547.D
Acq: 3 Oct 2018 15:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 11954
Ion Ratio Lower Upper
248 100
250 183.0 76.9 115.3#
141 519.4 74.4 111.6#

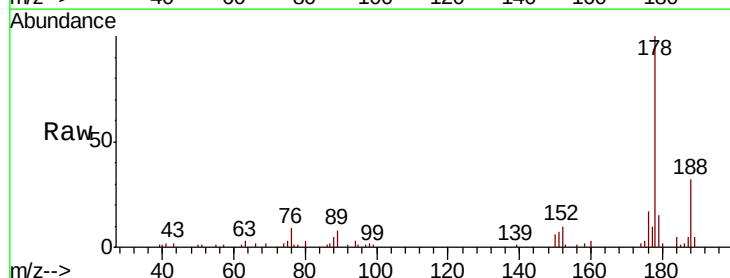


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

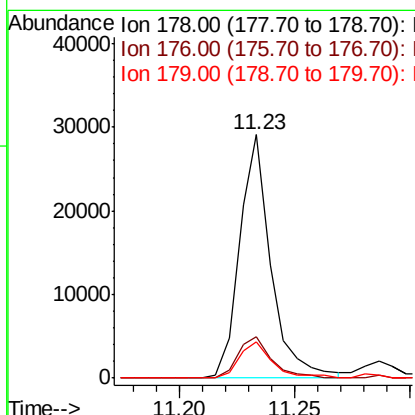
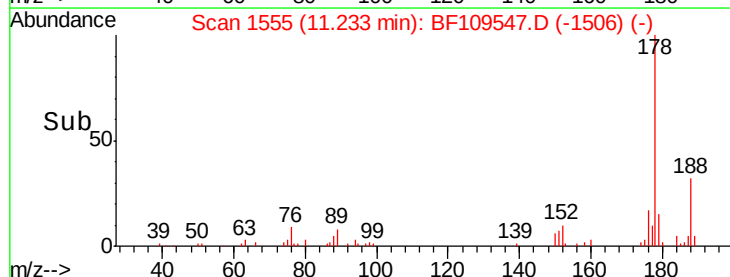


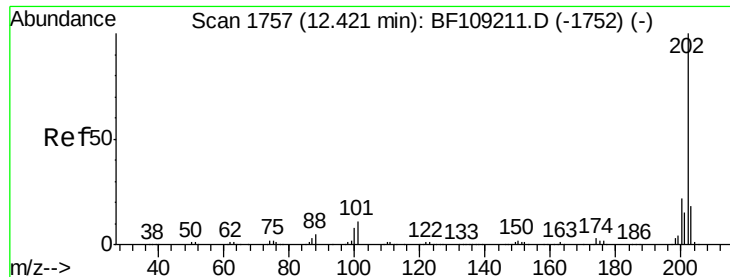
#70
Phenanthrene
Concen: 2.012 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109547.D
Acq: 3 Oct 2018 15:40

Tgt Ion:178 Resp: 27611
Ion Ratio Lower Upper
178 100
176 16.9 15.8 23.8
179 15.1 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

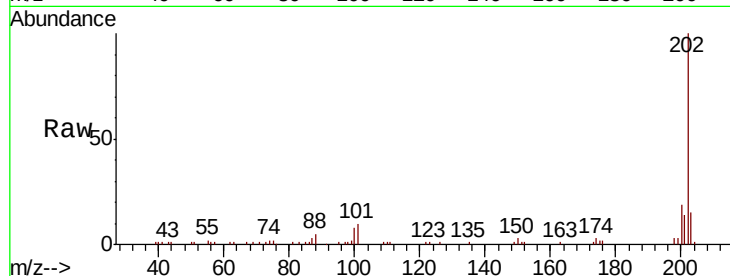




#74
Fluoranthene
Concen: 4.148 ng
RT: 12.42 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF109547.D
Acq: 3 Oct 2018 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	34.1
203	15.5	0.0	38.1

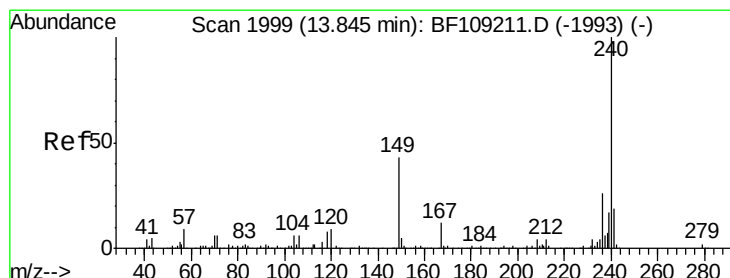
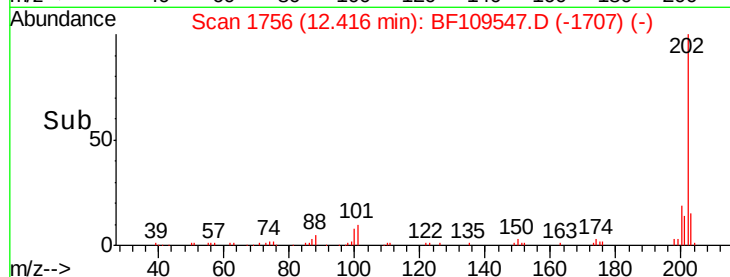
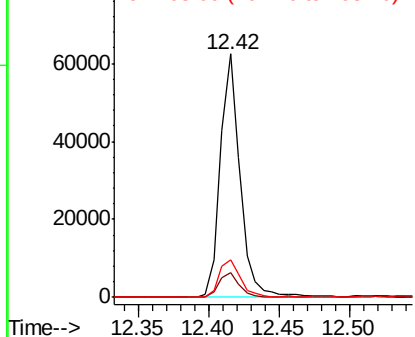


Abundance

Ion 202.00 (201.70 to 202.70): E

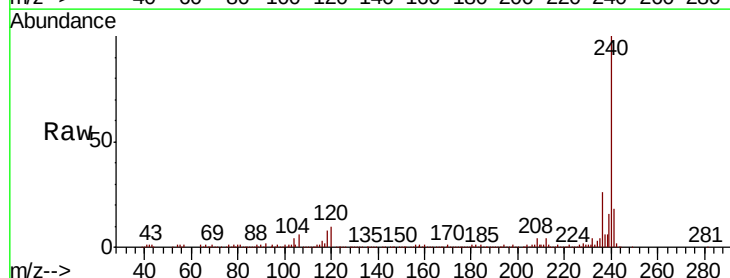
Ion 101.00 (100.70 to 101.70): E

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: BF109547.D
Acq: 3 Oct 2018 15:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.5	9.5	14.3#
236	25.7	20.7	31.1

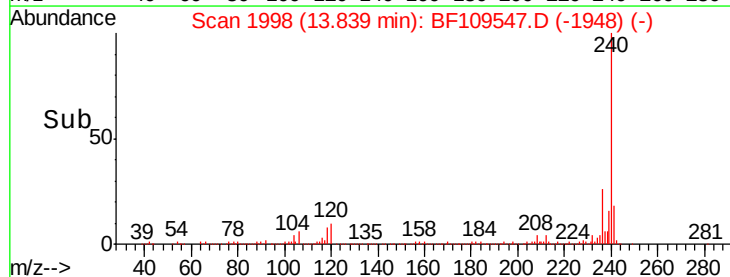
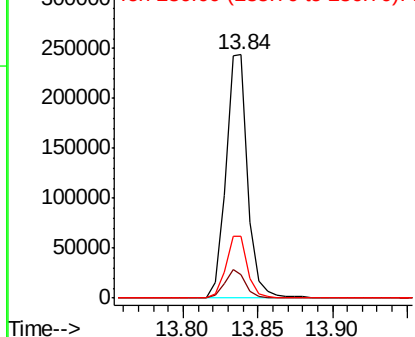


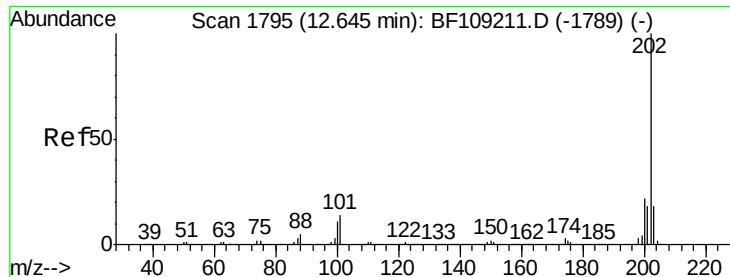
Abundance

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

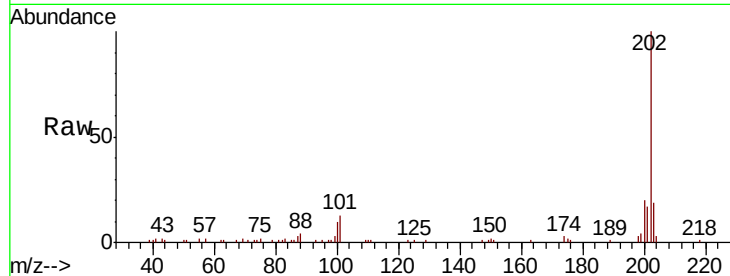




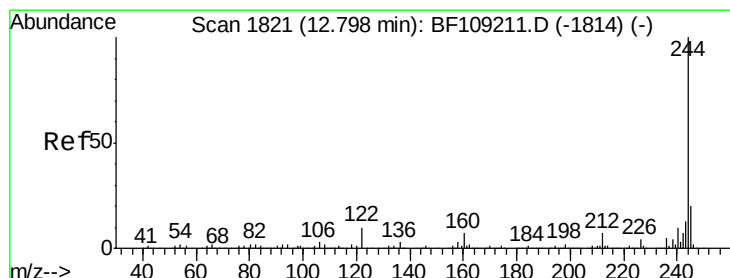
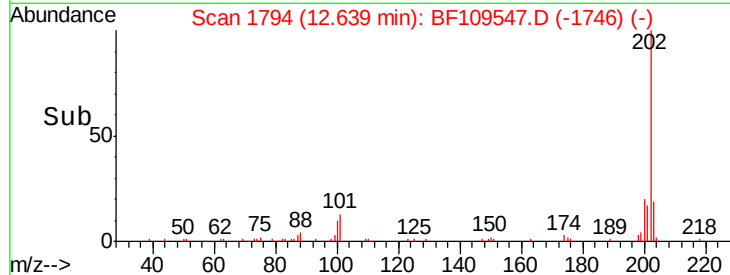
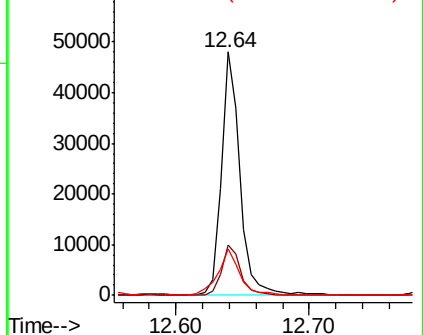
#77
Pvrene
Concen: 2.605 ng
RT: 12.64 min Scan# 1794
Delta R.T. -0.02 min
Lab File: BF109547.D
Acq: 3 Oct 2018 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 47172
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.2
203 19.0 14.3 21.5

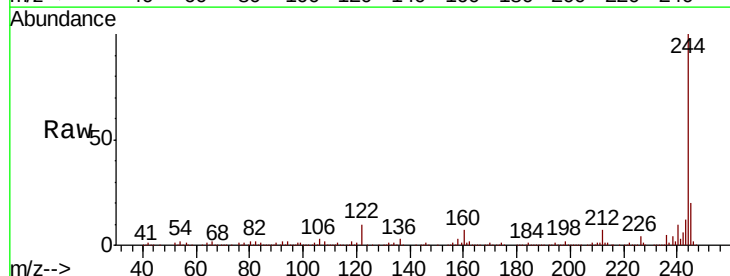


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

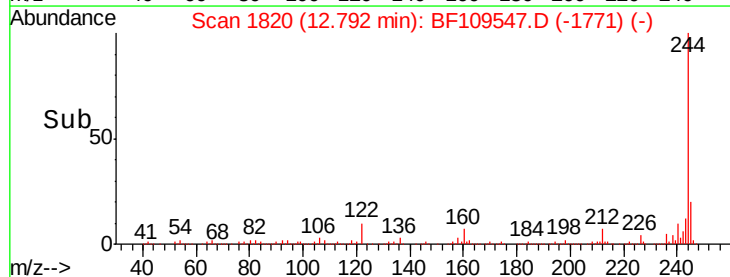
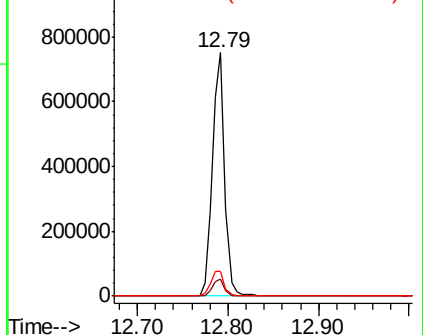


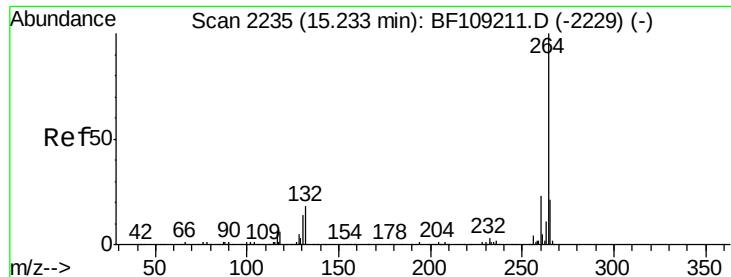
#78
Terphenyl-d14
Concen: 69.159 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF109547.D
Acq: 3 Oct 2018 15:40

Tgt Ion:244 Resp: 712143
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 10.2 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



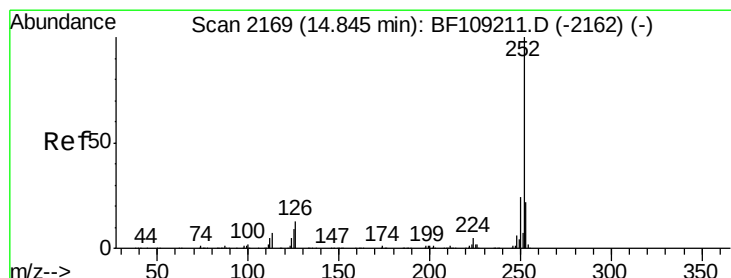
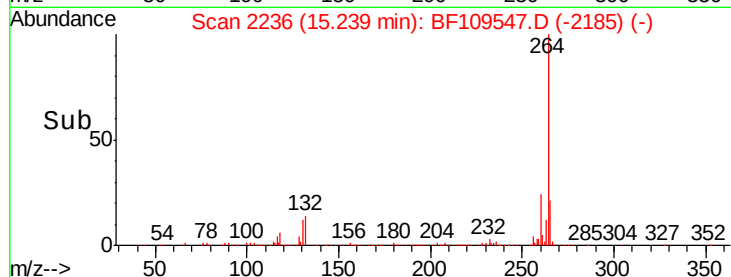
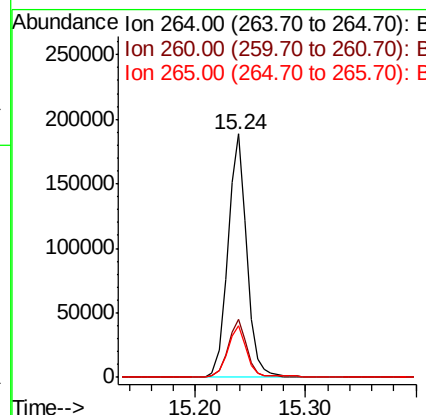
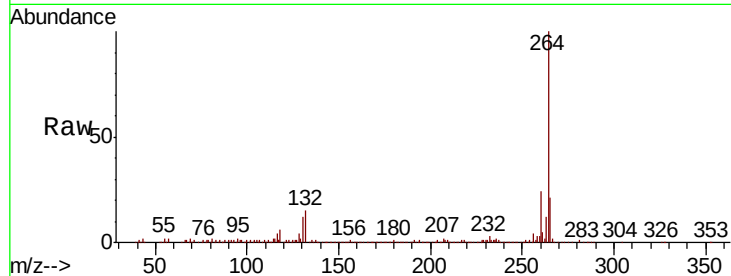


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF109547.D
Acq: 3 Oct 2018 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 226010

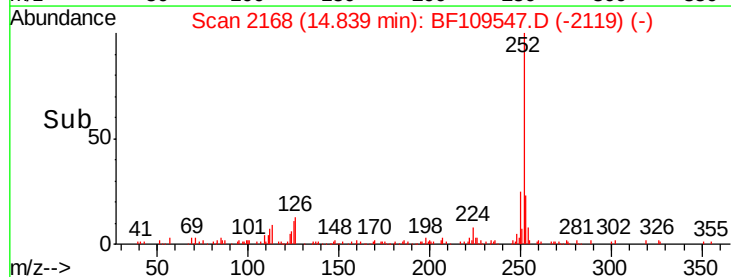
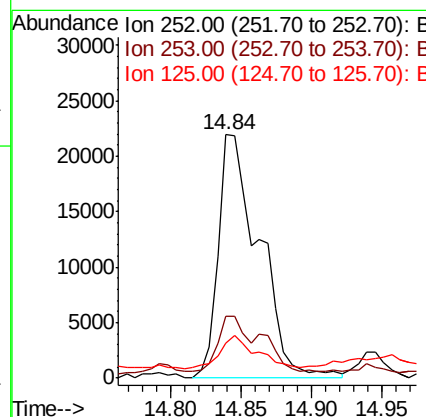
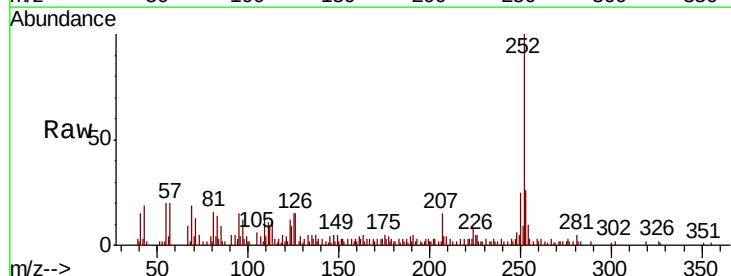
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.2	17.5	26.3

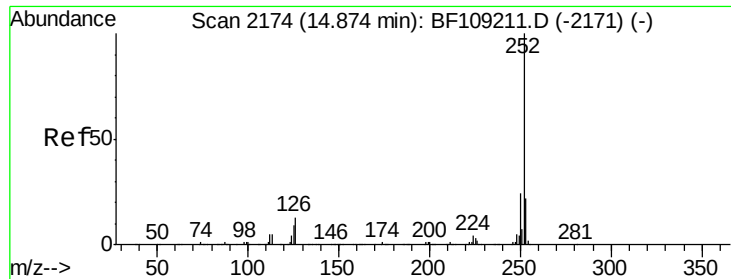


#87
Benzo(b)fluoranthene
Concen: 3.567 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF109547.D
Acq: 3 Oct 2018 15:40

Tgt Ion:252 Resp: 44296

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.0	25.6#
125	14.6	9.0	13.6#





#88
 Benzo(k)fluoranthene
 Concen: 3.759 ng
 RT: 14.84 min Scan# 2168
 Delta R.T. -0.04 min
 Lab File: BF109547.D
 Acq: 3 Oct 2018 15:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.9	26.9
125	14.6	10.2	15.2

