

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100118\
 Data File : BF109481.D
 Acq On : 1 Oct 2018 19:06
 Operator : JU/SJ
 Sample : J5155-01 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30S-GW

Quant Time: Oct 02 12:21:08 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

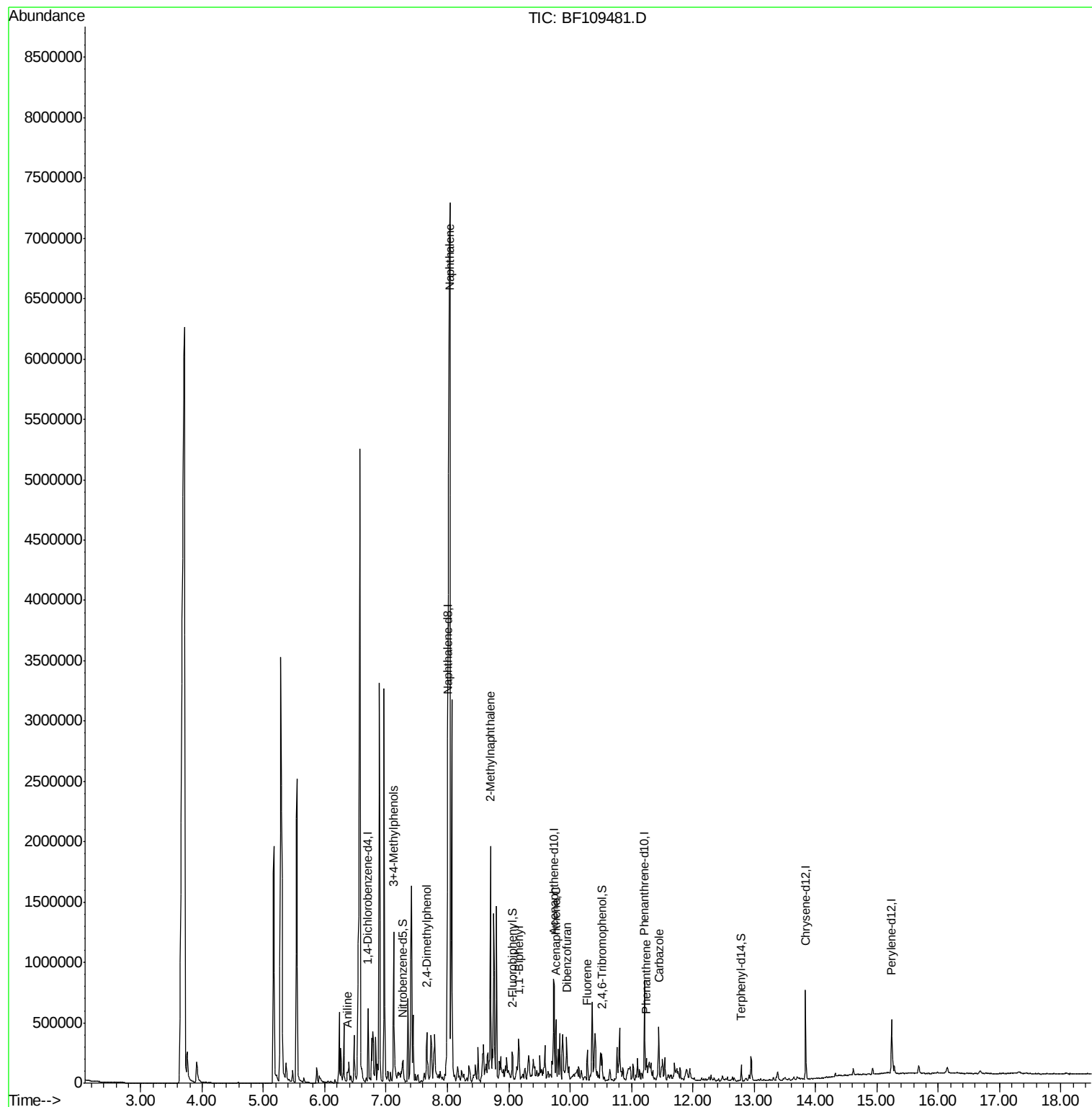
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	102208	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	340948	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	163641	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	274762	20.00	ng	0.00
75) Chrysene-d12	13.84	240	245474	20.00	ng	0.00
86) Perylene-d12	15.24	264	185267	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	8546	1.38	ng	0.01
7) Phenol-d6	6.37	99	12431	1.57	ng	0.01
23) Nitrobenzene-d5	7.26	82	35905	6.22	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	9688	6.01	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	68397	6.30	ng	-0.02
78) Terphenyl-d14	12.79	244	41654	4.16	ng	-0.01
Target Compounds						
6) Aniline	6.37	93	30144	2.976	ng	93
20) 3+4-Methylphenols	7.13	107	52264	7.753	ng	90
27) 2,4-Dimethylphenol	7.66	122	66182	14.604	ng	97
31) Naphthalene	8.04	128	7141841	448.259	ng	# 94
37) 2-Methylnaphthalene	8.70	142	519236	50.554	ng	98
45) 1,1'-Biphenyl	9.16	154	75092	5.632	ng	96
51) Acenaphthene	9.77	154	89724	9.236	ng	97
54) Dibenzofuran	9.94	168	110136	7.623	ng	98
57) Fluorene	10.28	166	48040	4.660	ng	99
70) Phenanthrene	11.24	178	59596	4.344	ng	97
72) Carbazole	11.45	167	116391	8.407	ng	97

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

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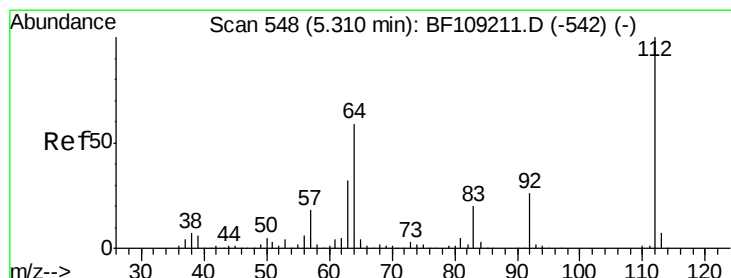
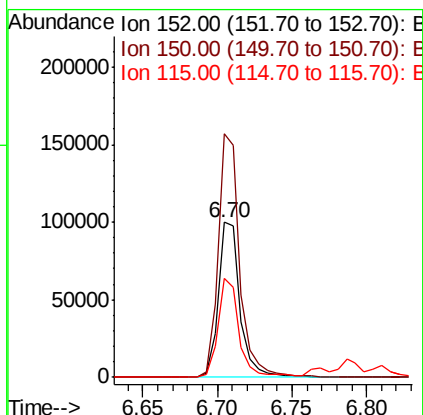
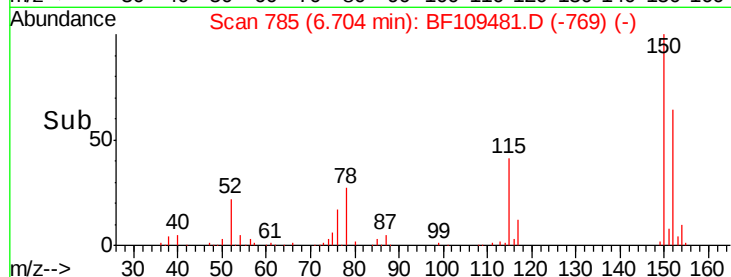
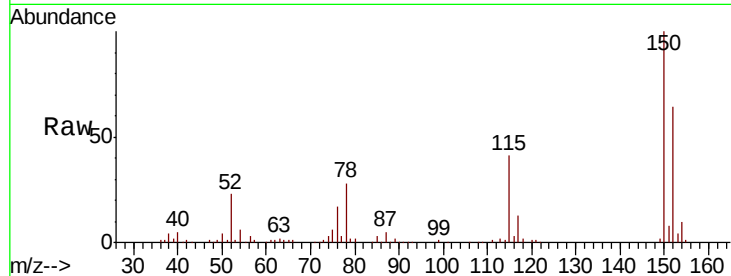


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109481.D
Acq: 1 Oct 2018 19:06

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30S-GW

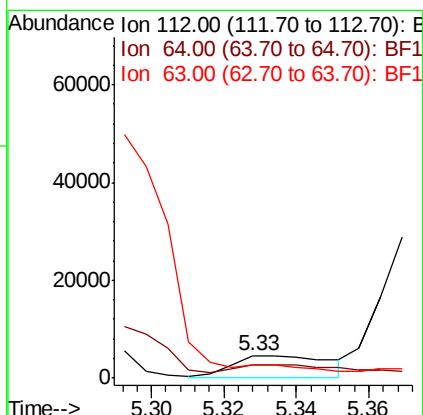
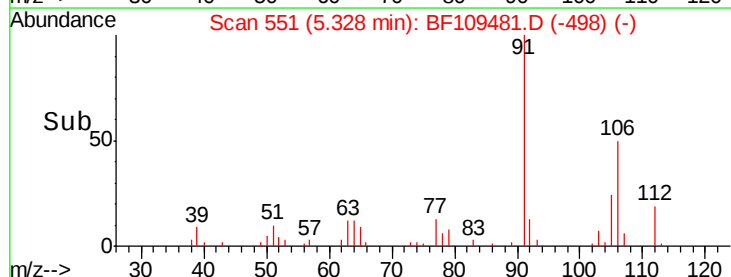
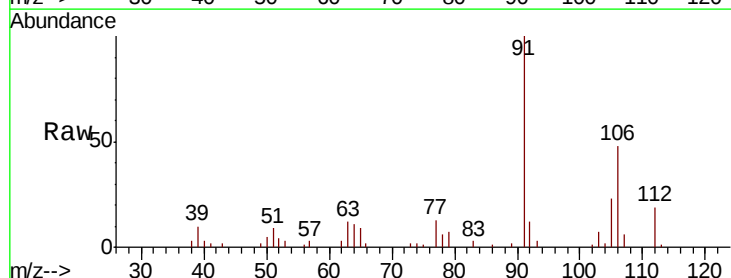
Tot Ion:152 Resp: 102208
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 63.9 50.1 75.1

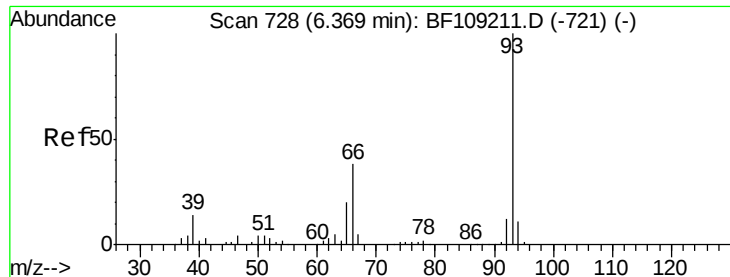


#5

2-Fluorophenol
Concen: 1.377 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109481.D
Acq: 1 Oct 2018 19:06

Tgt Ion:112 Resp: 8546
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 61.2 23.7 35.5#





#6

Aniline

Concen: 2.976 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF109481.D

Acq: 1 Oct 2018 19:06

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30S-GW

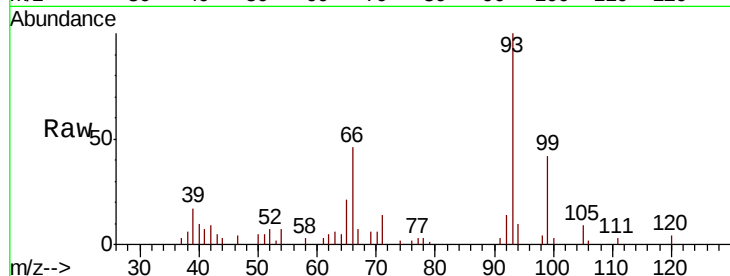
Tot Ion: 93 Resp: 30144

Ion Ratio Lower Upper

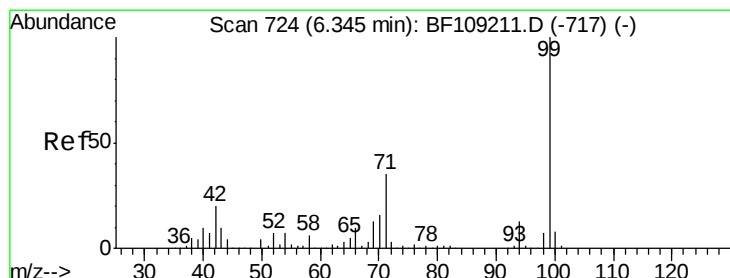
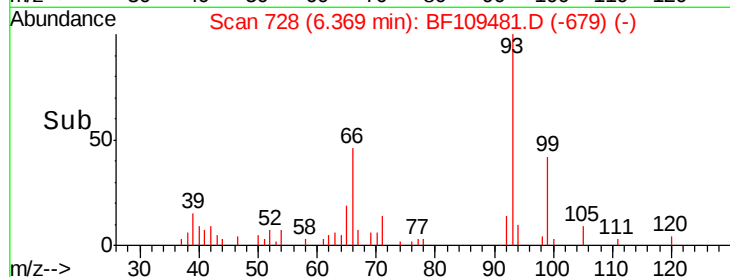
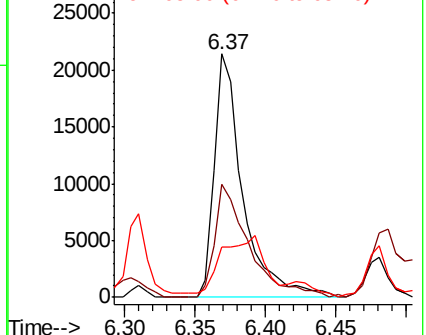
93 100

66 46.3 32.2 48.2

65 20.9 16.4 24.6



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 1.570 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF109481.D

Acq: 1 Oct 2018 19:06

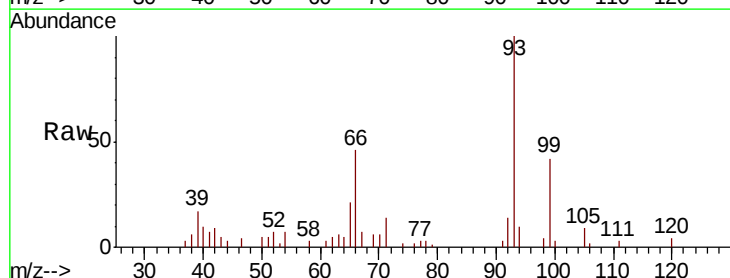
Tgt Ion: 99 Resp: 12431

Ion Ratio Lower Upper

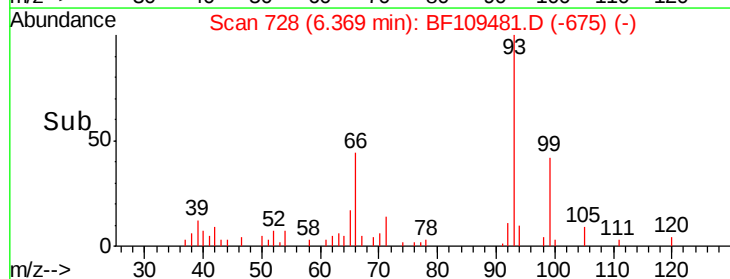
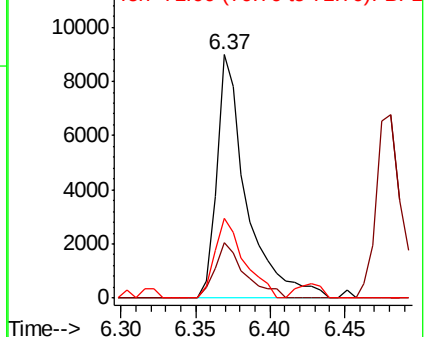
99 100

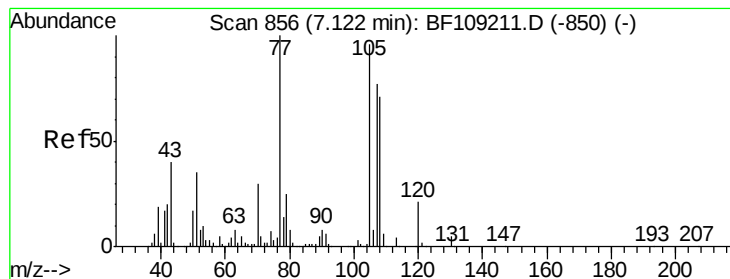
42 22.6 14.5 21.7#

71 32.7 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





#20

3+4-Methylphenols

Concen: 7.753 ng

RT: 7.13 min Scan# 858

Delta R.T. 0.00 min

Lab File: BF109481.D

Acq: 1 Oct 2018 19:06

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30S-GW

Tot Ion:107 Resp: 52264

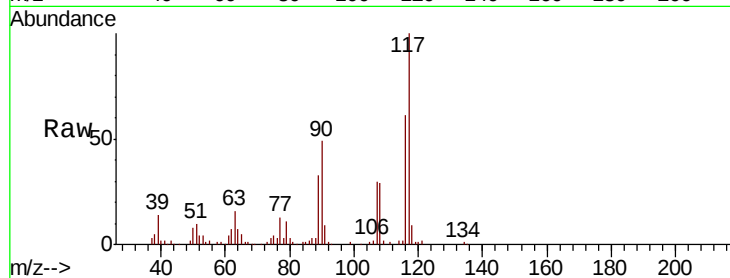
Ion Ratio Lower Upper

107 100

108 97.2 68.2 108.2

77 42.6 26.7 66.7

79 35.4 6.3 46.3

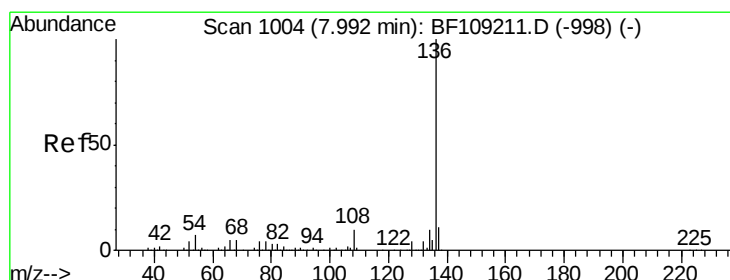
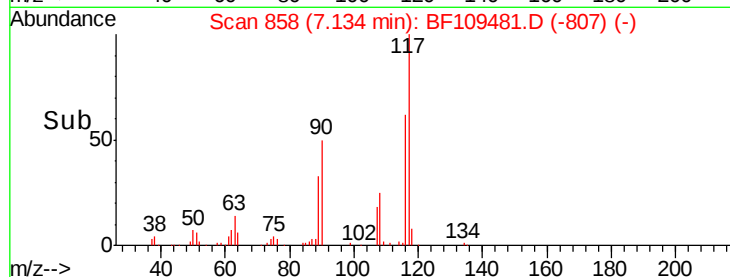
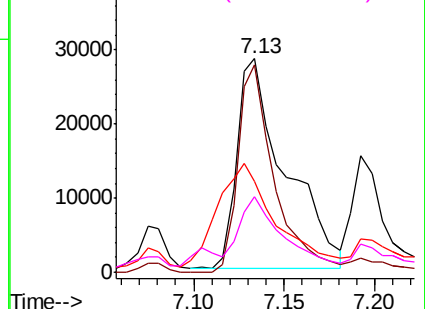


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.01 min

Lab File: BF109481.D

Acq: 1 Oct 2018 19:06

Tgt Ion:136 Resp: 340948

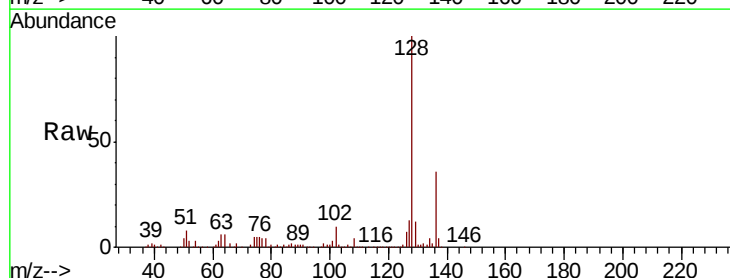
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.2 6.6 9.8

68 5.7 5.0 7.4

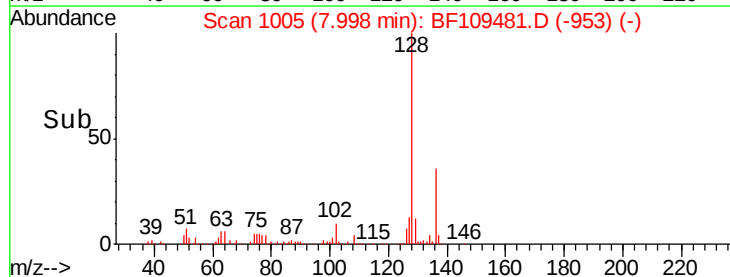
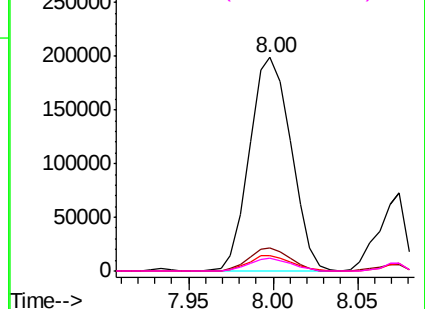


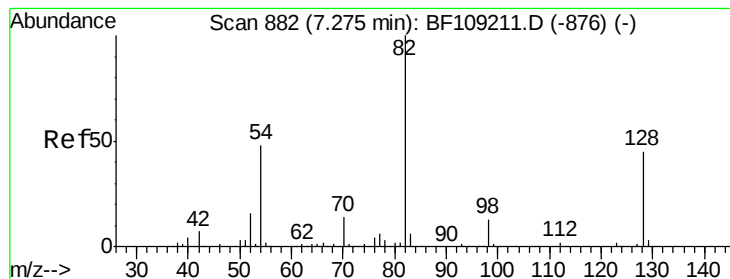
Abundance Ion 136.00 (135.70 to 136.70): E

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: 6.217 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109481.D

Acq: 1 Oct 2018 19:06

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30S-GW

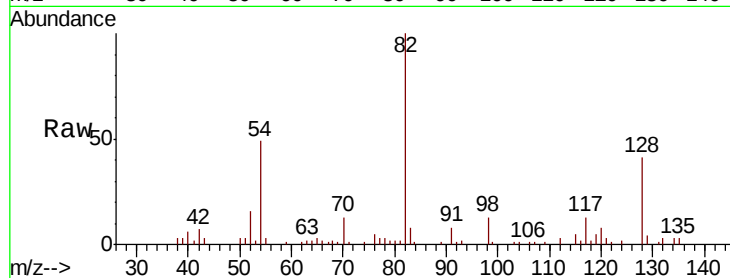
Tot Ion: 82 Resp: 35905

Ion Ratio Lower Upper

82 100

128 40.8 36.1 54.1

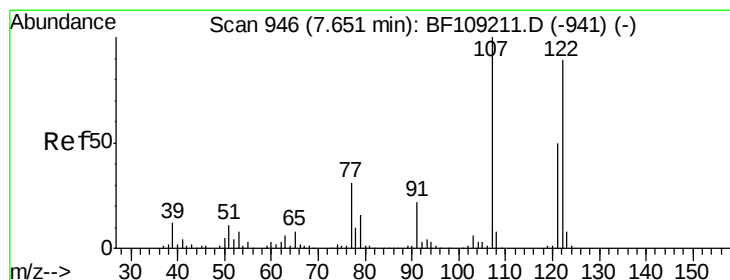
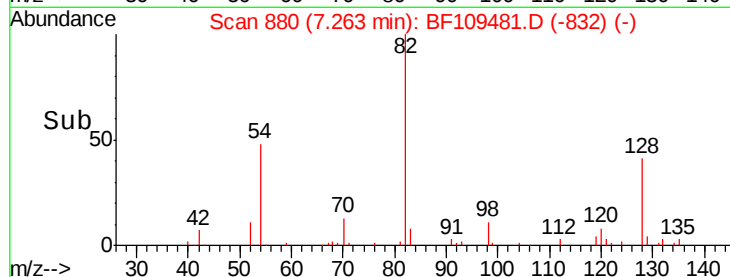
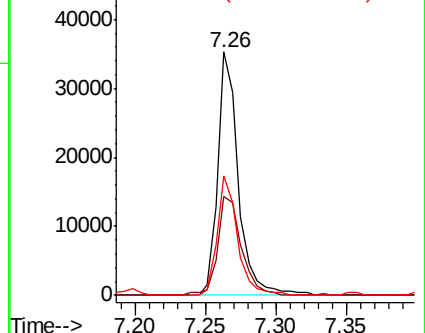
54 49.1 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#27

2,4-Dimethylphenol

Concen: 14.604 ng

RT: 7.66 min Scan# 948

Delta R.T. 0.01 min

Lab File: BF109481.D

Acq: 1 Oct 2018 19:06

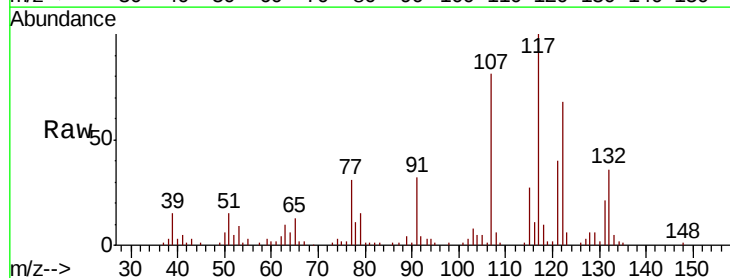
Tgt Ion: 122 Resp: 66182

Ion Ratio Lower Upper

122 100

107 118.7 91.2 136.8

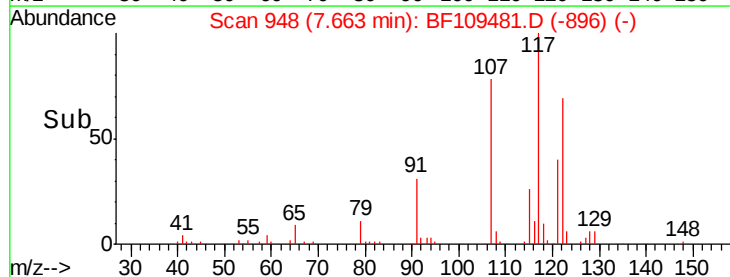
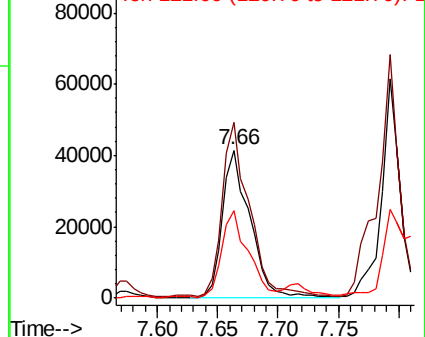
121 58.7 47.2 70.8

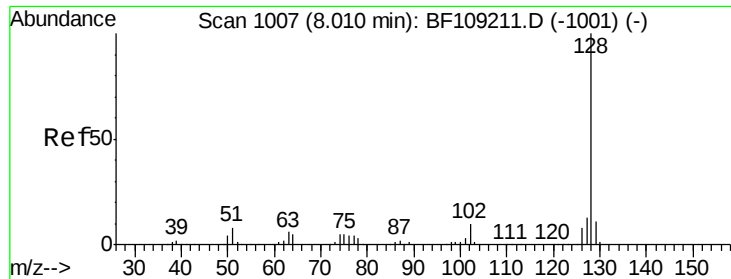


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

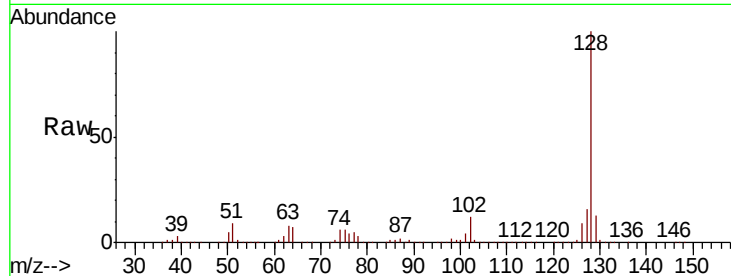




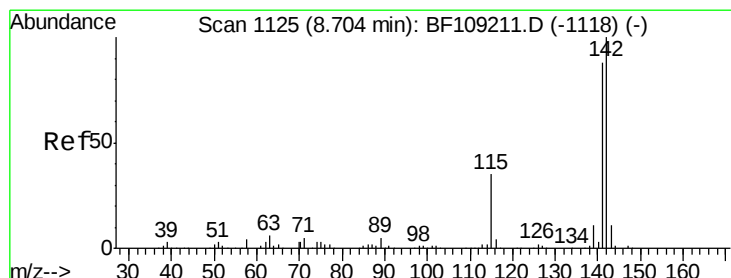
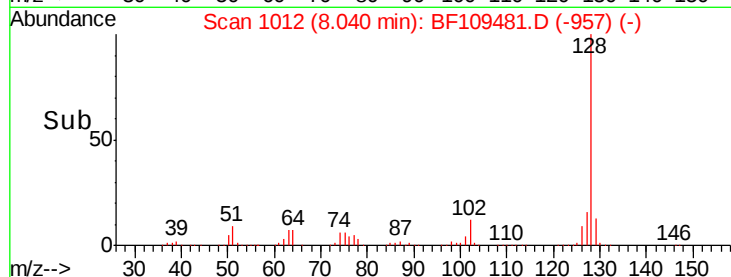
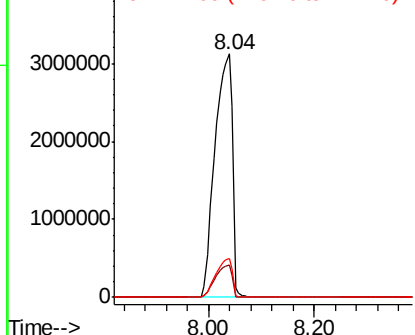
#31
Naphthalene
Concen: 448.259 ng
RT: 8.04 min Scan# 1012
Delta R.T. 0.02 min
Lab File: BF109481.D
Acq: 1 Oct 2018 19:06

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30S-GW

Tot Ion:128 Resp: 7141841
Ion Ratio Lower Upper
128 100
129 13.4 8.8 13.2#
127 15.9 10.9 16.3

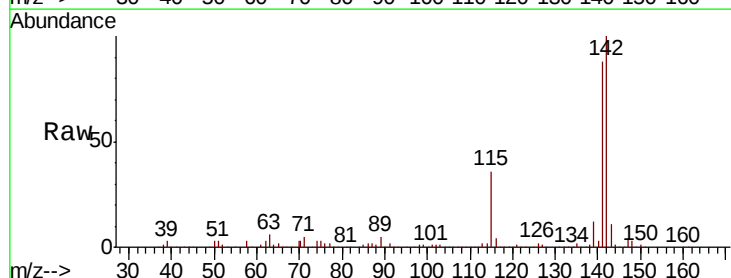


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

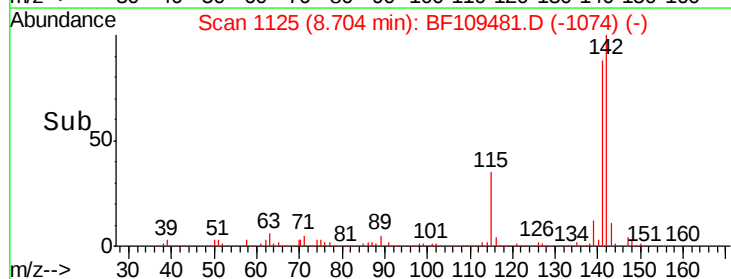
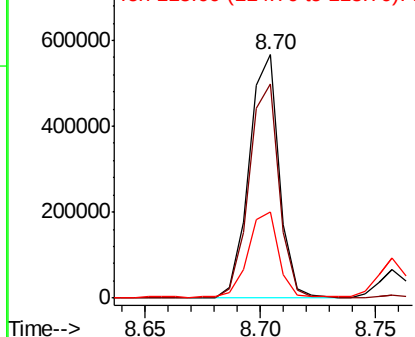


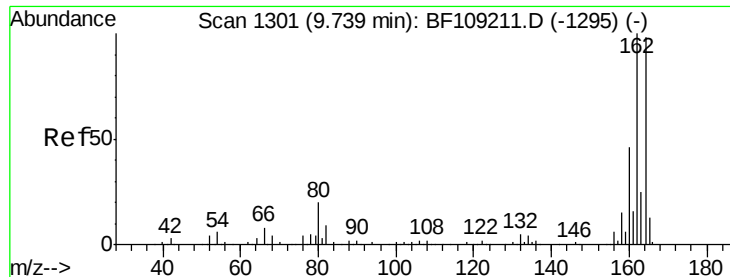
#37
2-Methylnaphthalene
Concen: 50.554 ng
RT: 8.70 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BF109481.D
Acq: 1 Oct 2018 19:06

Tgt Ion:142 Resp: 519236
Ion Ratio Lower Upper
142 100
141 88.0 70.8 106.2
115 35.5 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

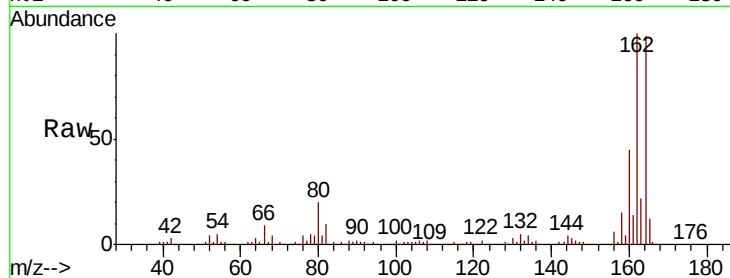




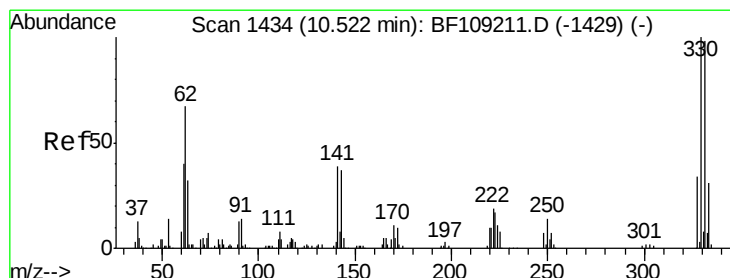
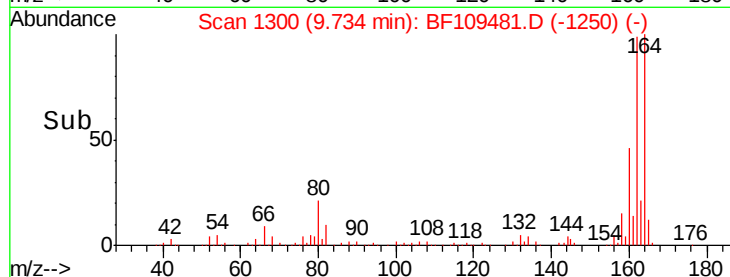
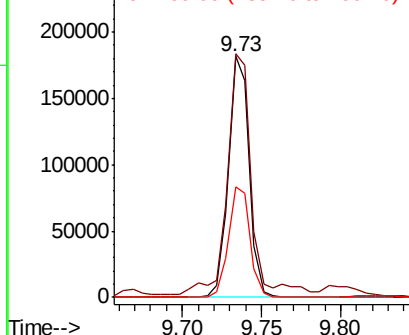
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF109481.D
 Acq: 1 Oct 2018 19:06

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30S-GW

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	86.1	129.1
160	45.8	38.3	57.5

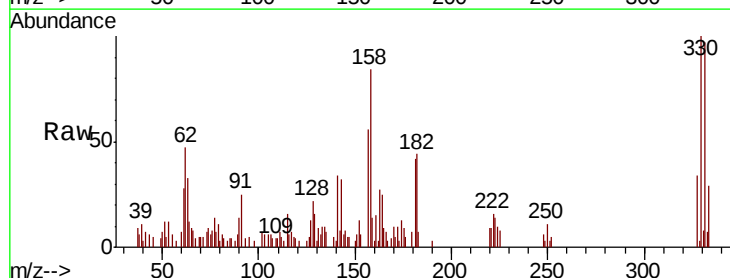


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

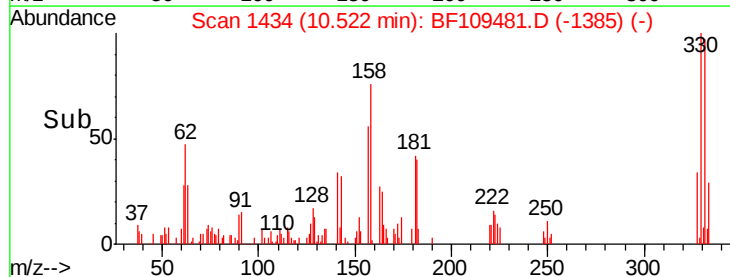
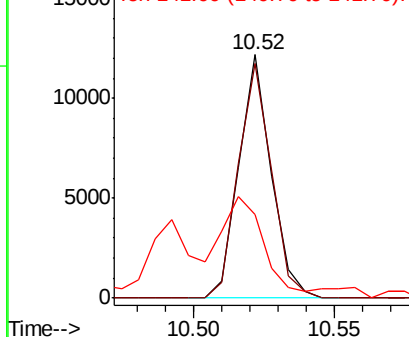


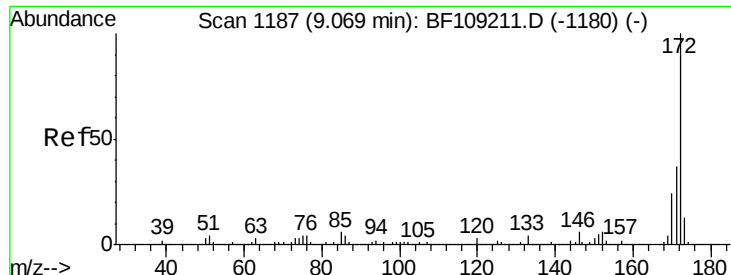
#41
 2,4,6-Tribromophenol
 Concen: 6.006 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109481.D
 Acq: 1 Oct 2018 19:06

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.7	77.0	115.6
141	47.7	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

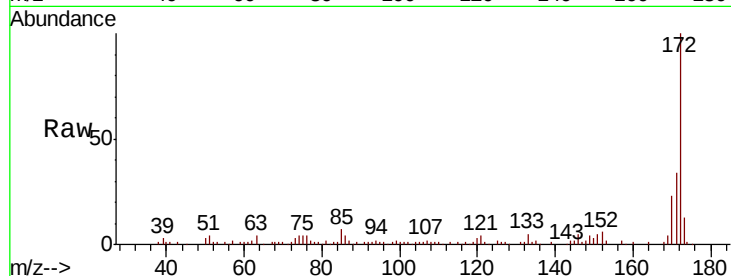




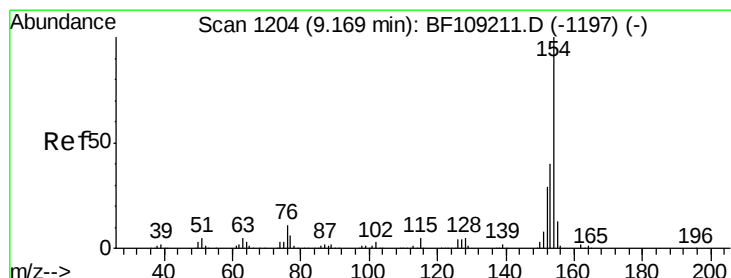
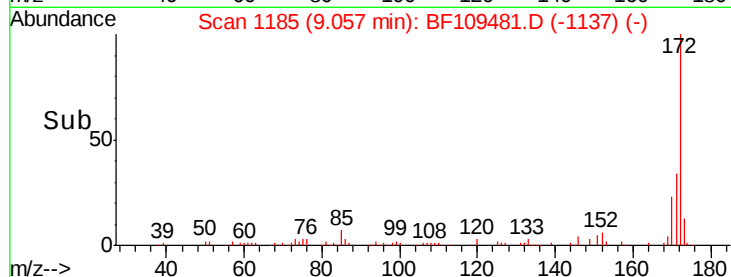
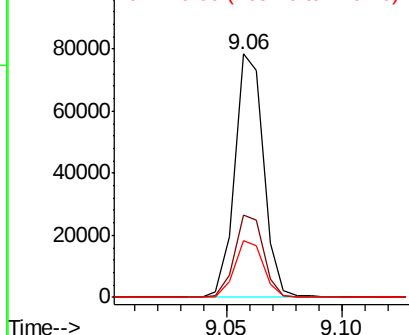
#44
2-Fluorobiphenyl
Concen: 6.304 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF109481.D
Acq: 1 Oct 2018 19:06

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30S-GW

Tot Ion:172 Resp: 68397
Ion Ratio Lower Upper
172 100
171 34.0 29.7 44.5
170 23.4 19.6 29.4

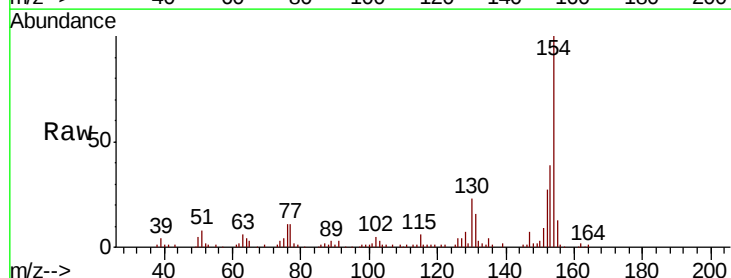


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

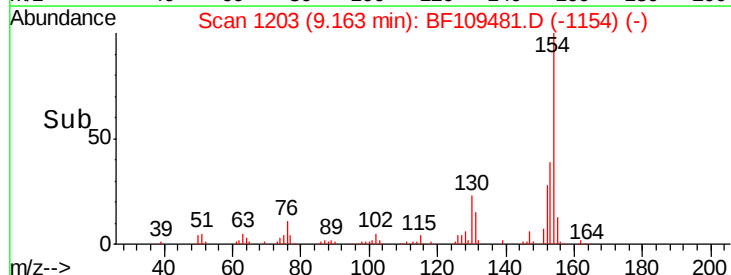
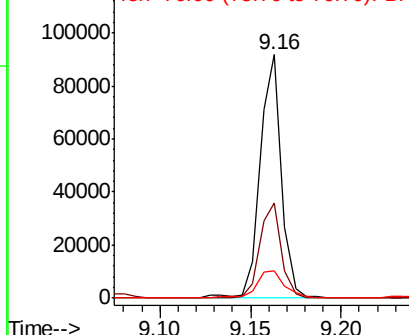


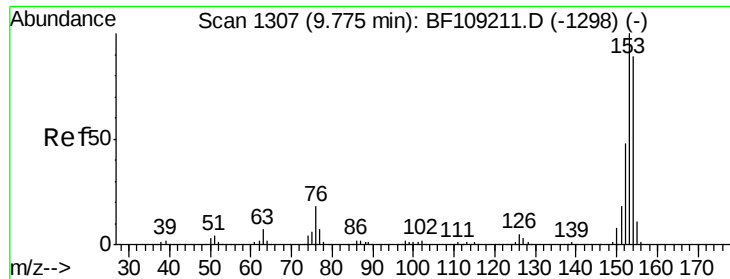
#45
1,1'-Biphenyl
Concen: 5.632 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF109481.D
Acq: 1 Oct 2018 19:06

Tgt Ion:154 Resp: 75092
Ion Ratio Lower Upper
154 100
153 39.2 21.3 61.3
76 11.4 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#51

Acenaphthene

Concen: 9.236 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF109481.D

Acq: 1 Oct 2018 19:06

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30S-GW

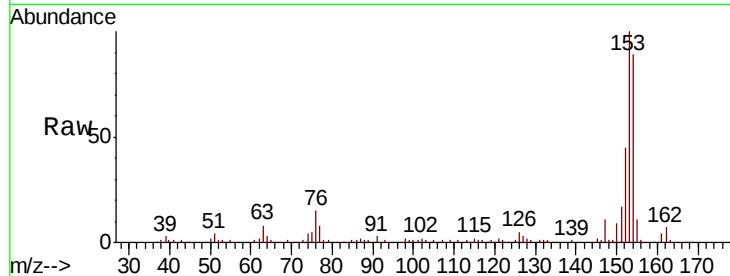
Tot Ion:154 Resp: 89724

Ion Ratio Lower Upper

154 100

153 112.6 91.2 136.8

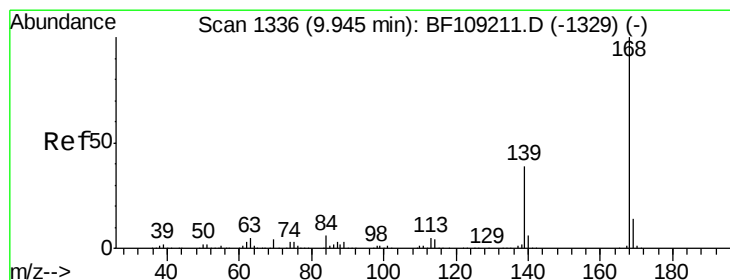
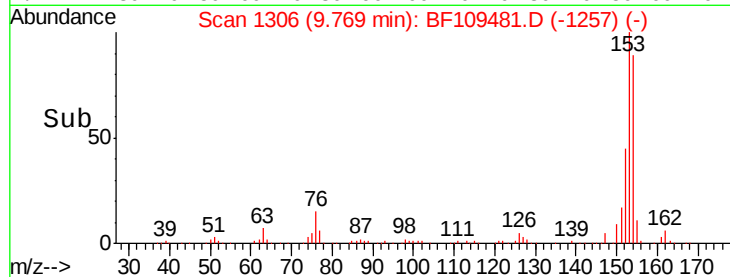
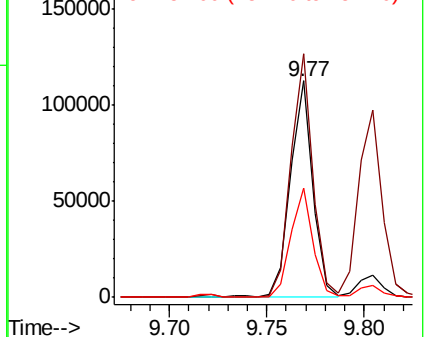
152 50.7 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 7.623 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF109481.D

Acq: 1 Oct 2018 19:06

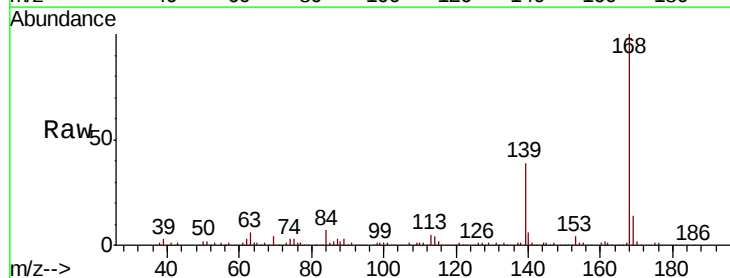
Tgt Ion:168 Resp: 110136

Ion Ratio Lower Upper

168 100

139 39.1 30.1 45.1

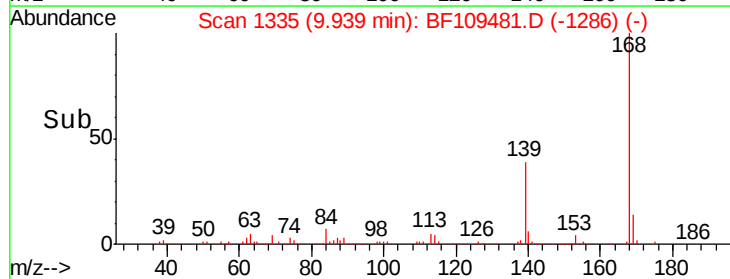
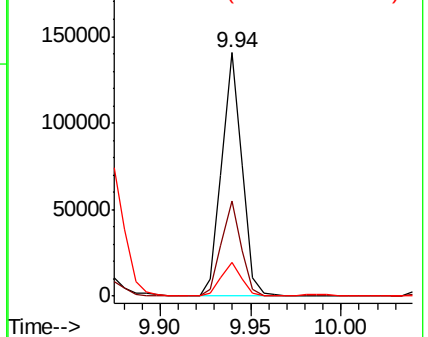
169 14.1 10.9 16.3

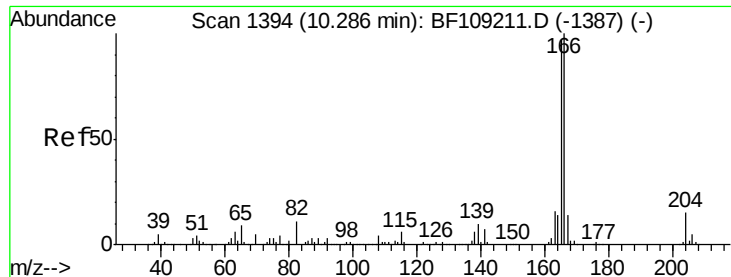


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

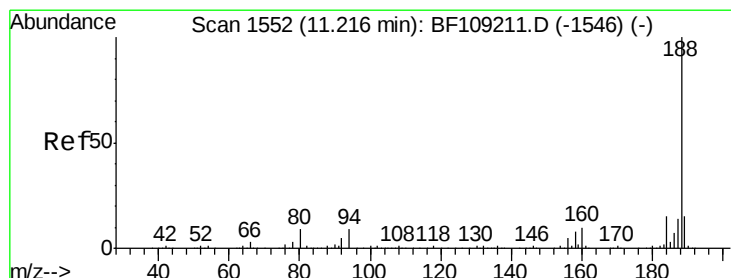
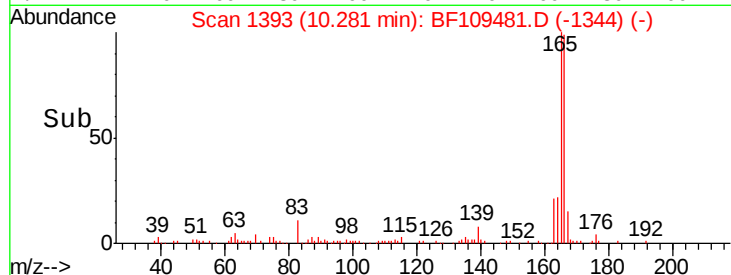
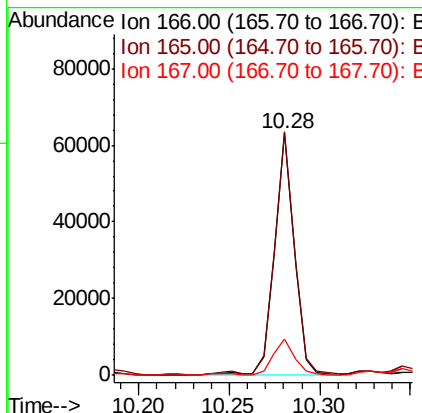
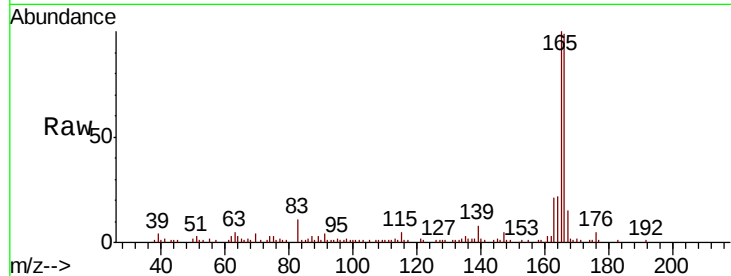




#57
 Fluorene
 Concen: 4.660 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF109481.D
 Acq: 1 Oct 2018 19:06

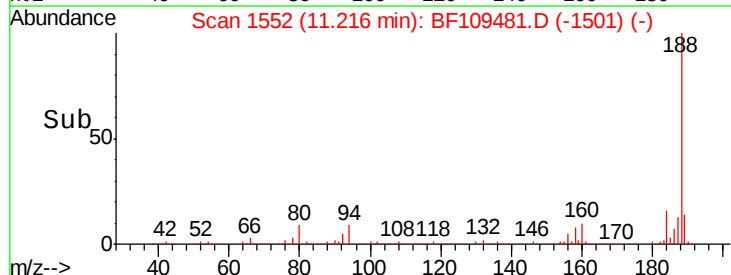
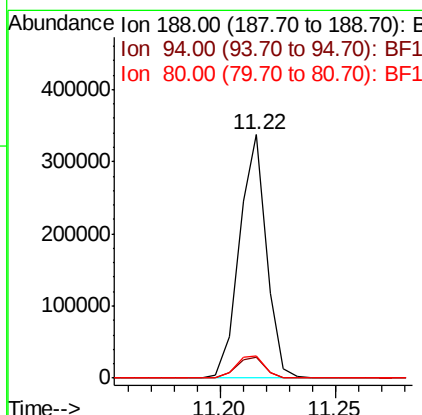
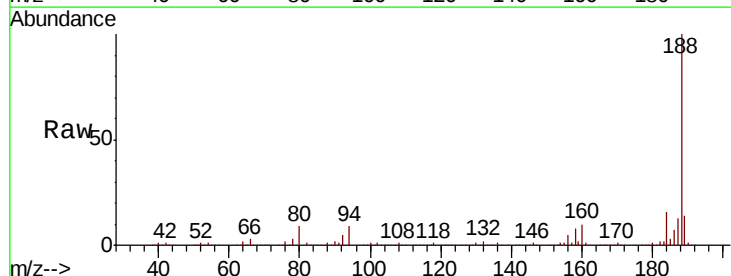
Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30S-GW

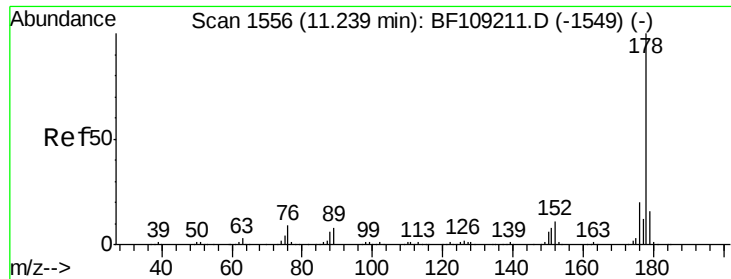
Tot Ion:166 Resp: 48040
 Ion Ratio Lower Upper
 166 100
 165 100.6 79.8 119.8
 167 15.0 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109481.D
 Acq: 1 Oct 2018 19:06

Tgt Ion:188 Resp: 274762
 Ion Ratio Lower Upper
 188 100
 94 8.6 8.5 12.7
 80 8.9 9.2 13.8#

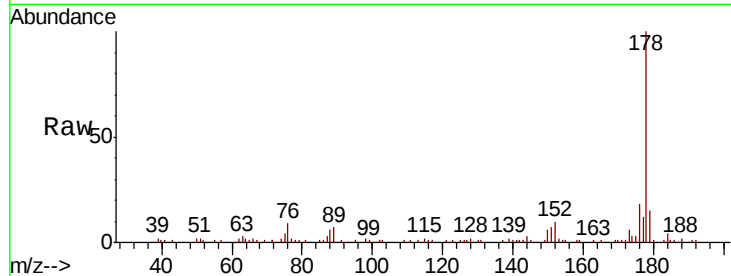




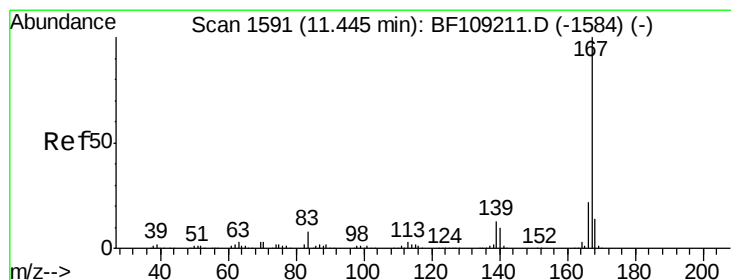
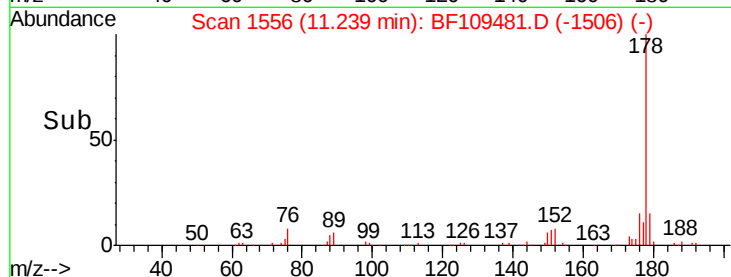
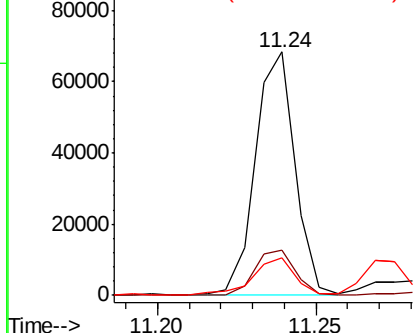
#70
Phenanthrene
Concen: 4.344 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109481.D
Acq: 1 Oct 2018 19:06

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30S-GW

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.5	13.0	19.6

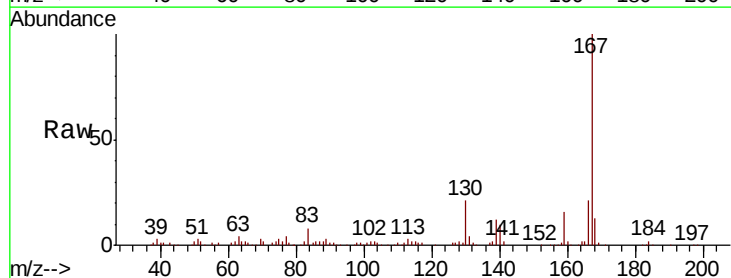


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

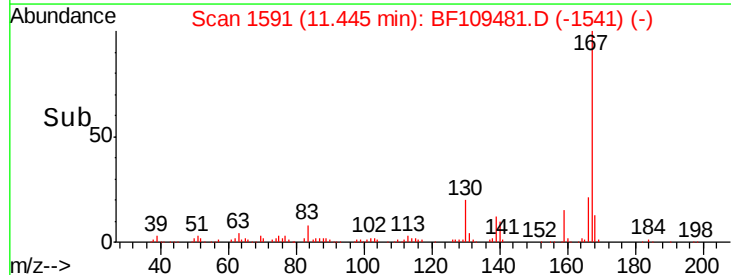
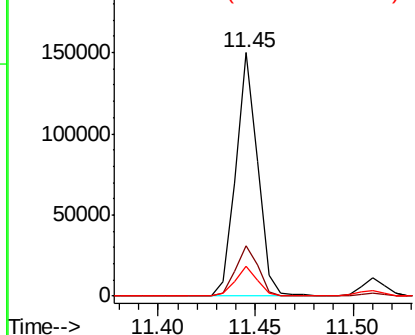


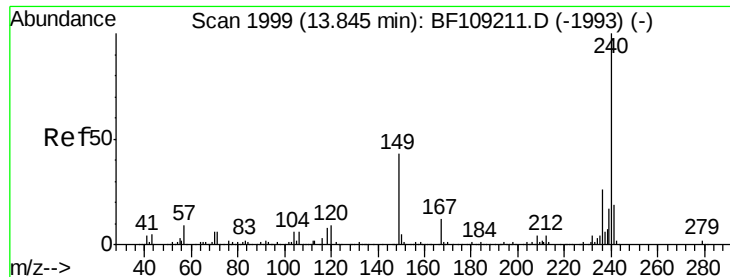
#72
Carbazole
Concen: 8.407 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF109481.D
Acq: 1 Oct 2018 19:06

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.6	26.4
139	12.3	10.9	16.3



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109481.D

Acq: 1 Oct 2018 19:06

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW30S-GW

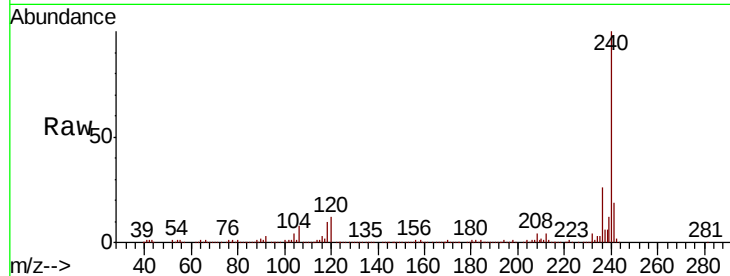
Tot Ion:240 Resp: 245474

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

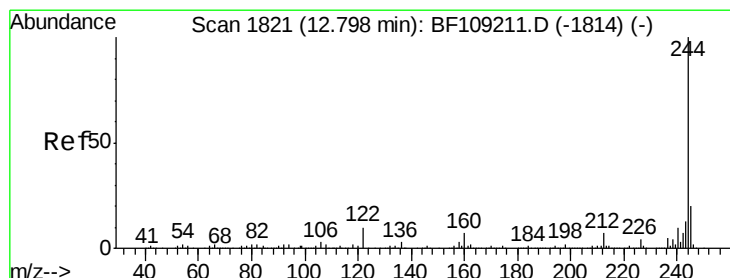
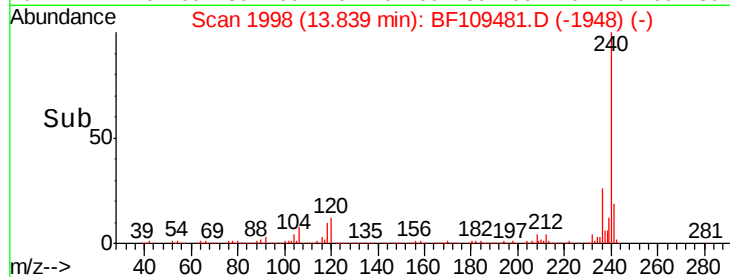
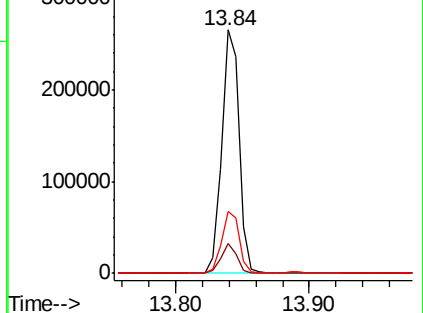
236 25.6 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 4.164 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109481.D

Acq: 1 Oct 2018 19:06

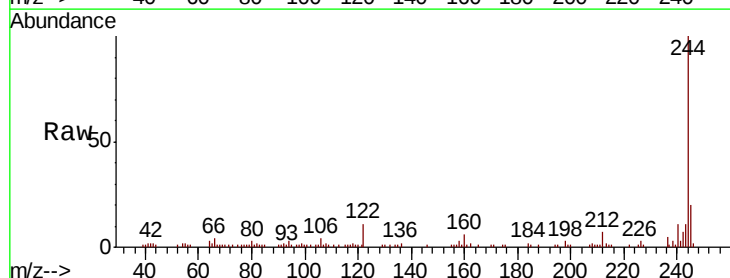
Tgt Ion:244 Resp: 41654

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

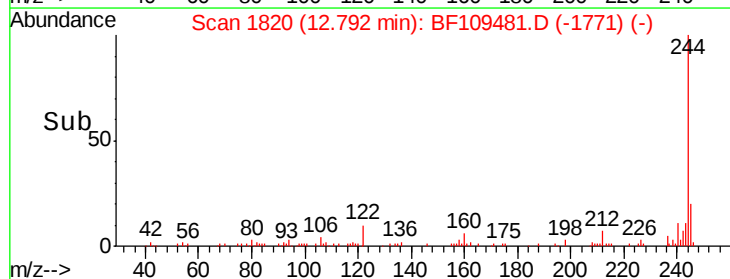
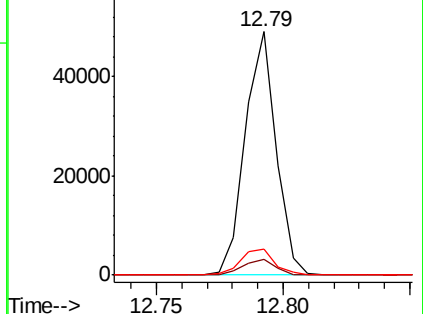
122 10.6 11.0 16.4#

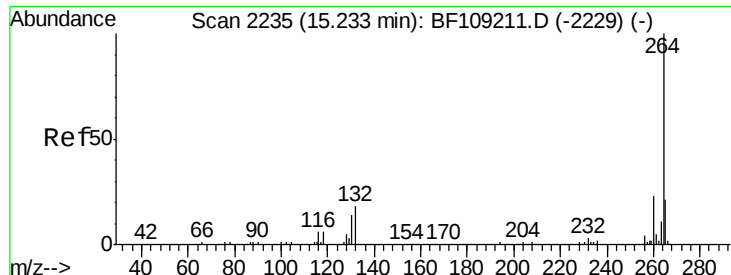


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2237
 Delta R.T. 0.01 min
 Lab File: BF109481.D
 Acq: 1 Oct 2018 19:06

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30S-GW

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.3	17.5	26.3

