

Data File : BF109361.D
Acq On : 27 Sep 2018 2:44
Operator : JU/SJ
Sample : J5053-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RFK-RMAB-MW10-GW

Quant Time: Sep 27 05:42:49 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	6.71	152	93966	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	311414	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	144409	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	245098	20.00	ng	0.00
75) Chrysene-d12	13.84	240	266364	20.00	ng	0.00
86) Perylene-d12	15.24	264	223408	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	399866	70.09	ng	0.00
7) Phenol-d6	6.35	99	346054	47.54	ng	-0.01
23) Nitrobenzene-d5	7.27	82	447060	84.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	167678	117.79	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	782242	81.70	ng	0.00
78) Terphenyl-d14	12.80	244	801047	73.81	ng	0.00

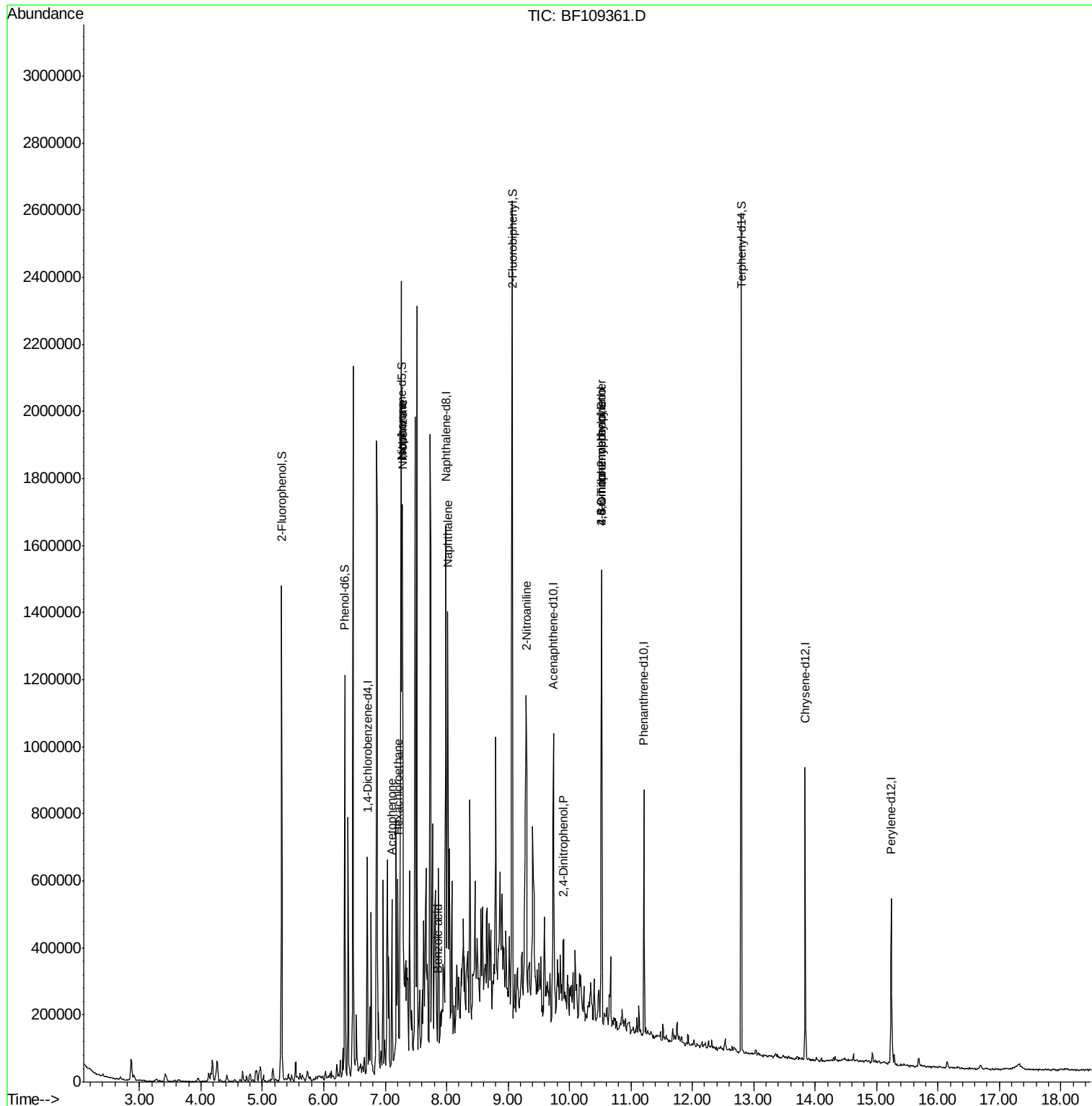
Target Compounds				Qvalue		
18) Hexachloroethane	7.20	117	13717	5.291	ng	# 1
22) Acetophenone	7.11	105	159058	22.092	ng	# 58
24) Nitrobenzene	7.29	77	25149	4.484	ng	# 6
25) Isophorone	7.27	82	400267	42.135	ng	# 64
31) Naphthalene	8.01	128	47601	3.271	ng	# 58
32) Benzoic acid	7.85	122	879	7.065	ng	# 1
47) 2-Nitroaniline	9.30	65	29009	10.885	ng	# 22
53) 2,4-Dinitrophenol	9.89	184	109	8.634	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.53	198	365	6.841	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	10431	3.833	ng	# 1

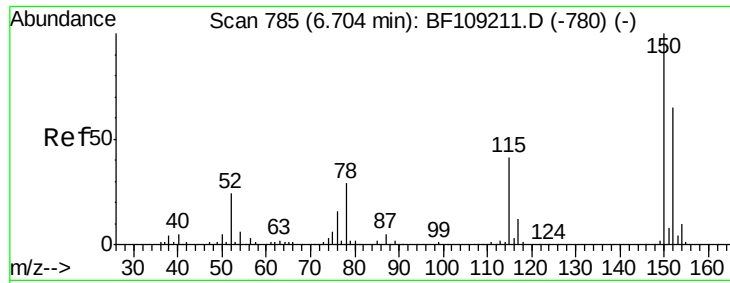
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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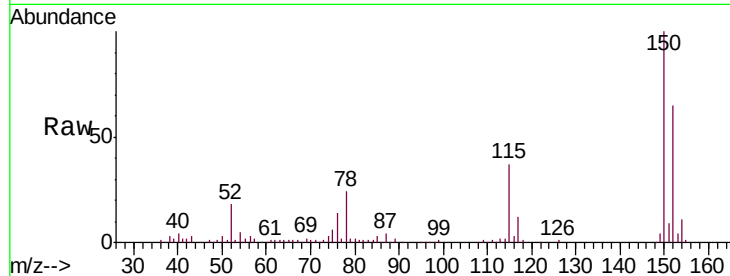




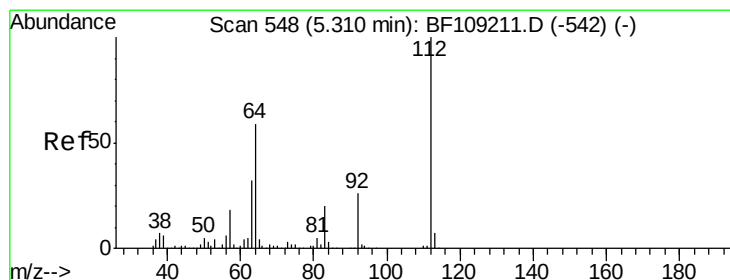
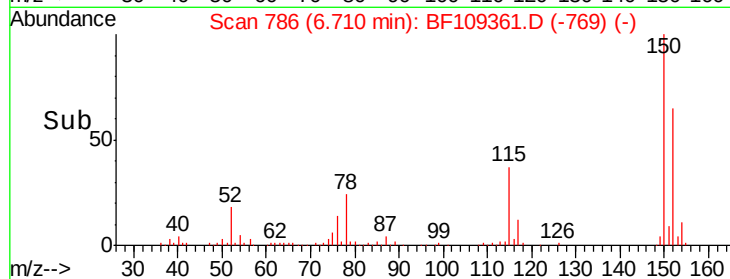
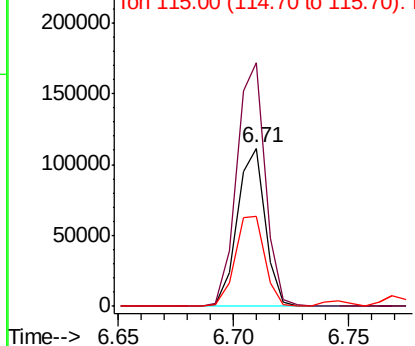
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF109361.D
 Acq: 27 Sep 2018 2:44

Instrument :
 BNA_F
 ClientSampleId :
 RFK-RMAB-MW10-GW

Tgt Ion:152 Resp: 93966
 Ion Ratio Lower Upper
 152 100
 150 154.0 124.6 186.8
 115 56.8 50.1 75.1

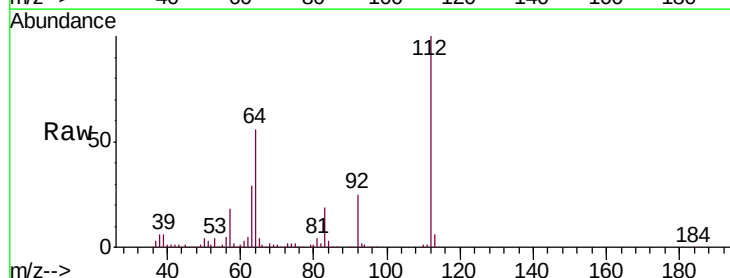


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

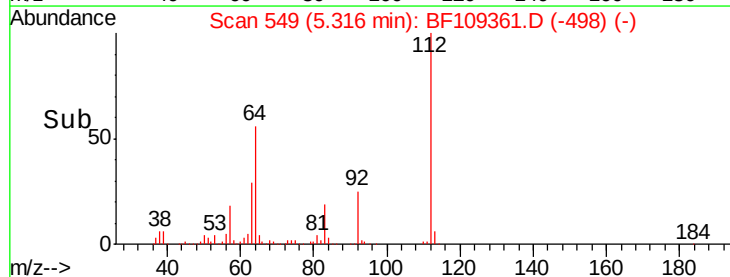
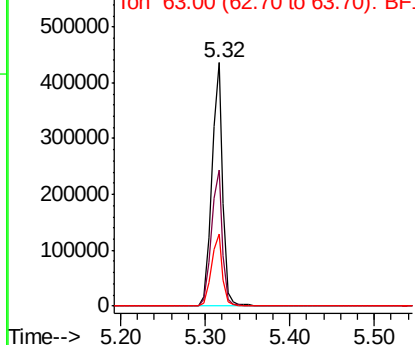


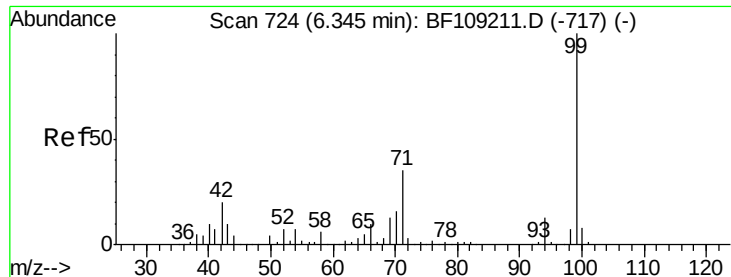
#5
 2-Fluorophenol
 Concen: 70.090 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: BF109361.D
 Acq: 27 Sep 2018 2:44

Tgt Ion:112 Resp: 399866
 Ion Ratio Lower Upper
 112 100
 64 56.0 47.9 71.9
 63 29.5 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: 47.536 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109361.D

Acq: 27 Sep 2018 2:44

Instrument :

BNA_F

ClientSampleId :

RFK-RMAB-MW10-GW

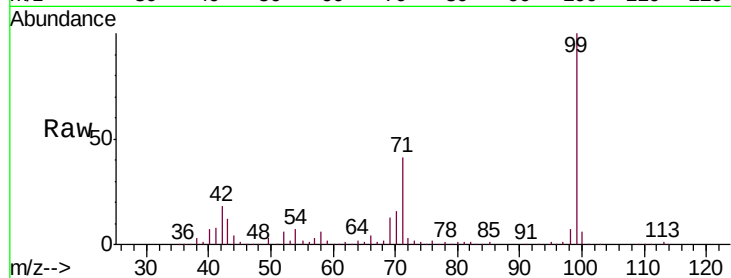
Tgt Ion: 99 Resp: 346054

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

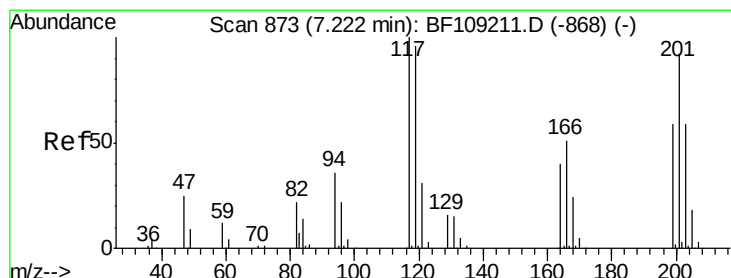
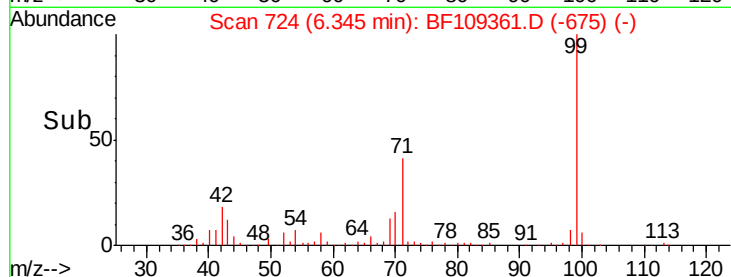
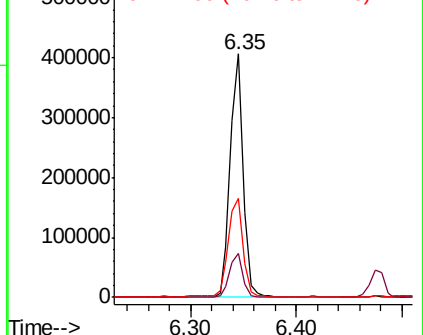
71 40.9 25.4 38.0#



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



#18

Hexachloroethane

Concen: 5.291 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.02 min

Lab File: BF109361.D

Acq: 27 Sep 2018 2:44

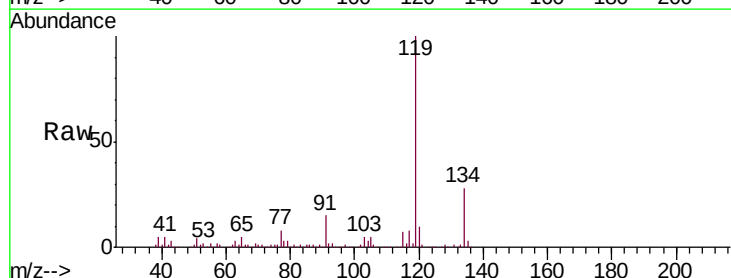
Tgt Ion: 117 Resp: 13717

Ion Ratio Lower Upper

117 100

119 1237.2 75.8 113.8#

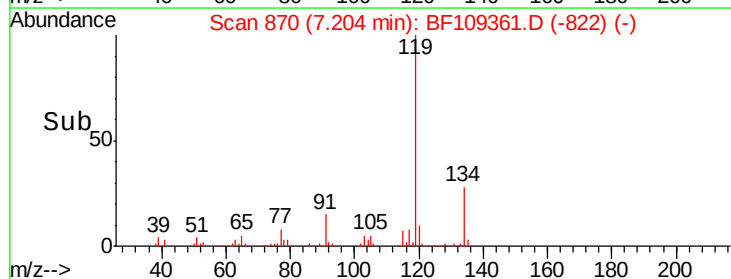
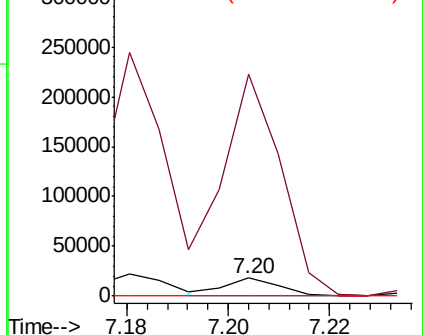
201 0.0 75.7 113.5#

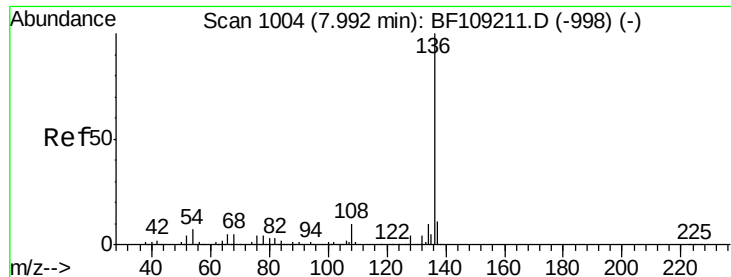


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

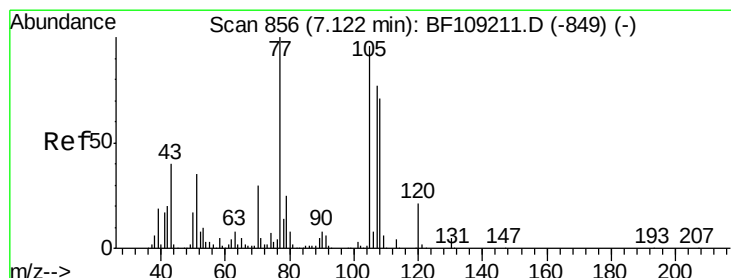
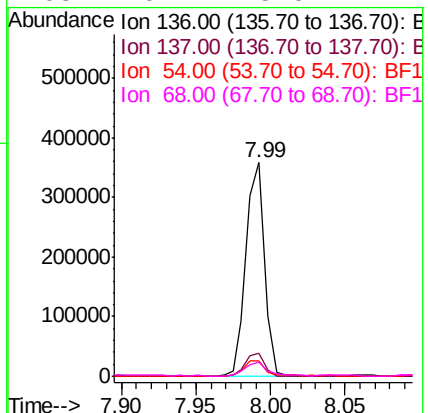
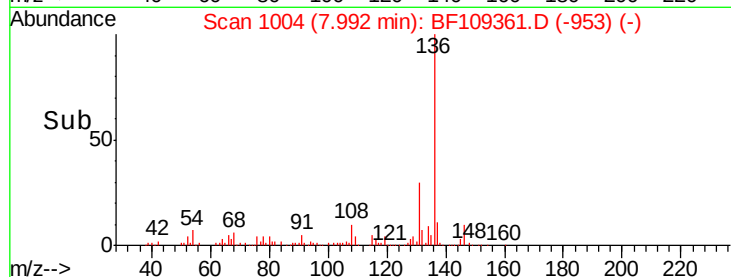
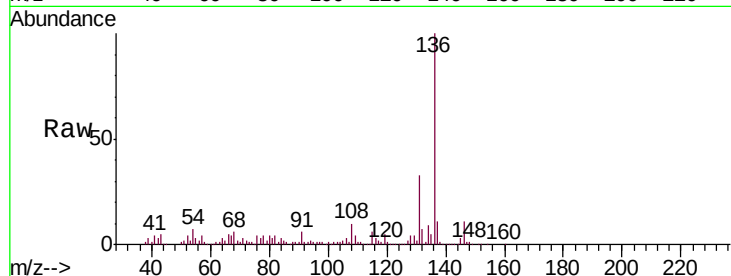




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF109361.D
Acq: 27 Sep 2018 2:44

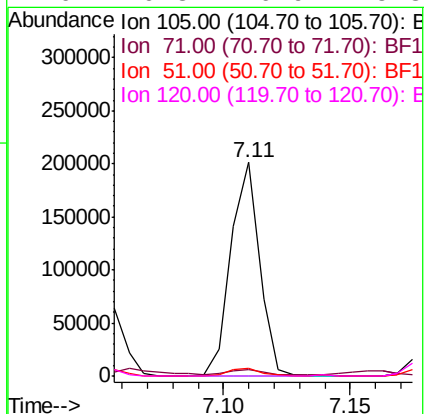
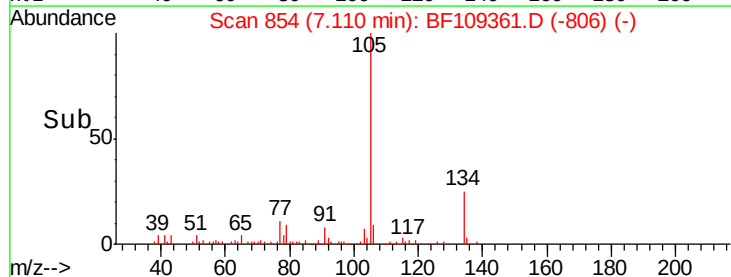
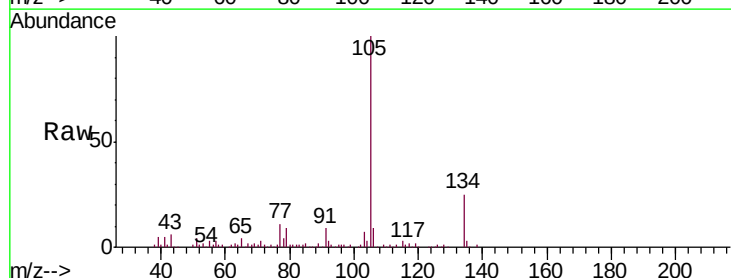
Instrument :
BNA_F
ClientSampleId :
RFK-RMAB-MW10-GW

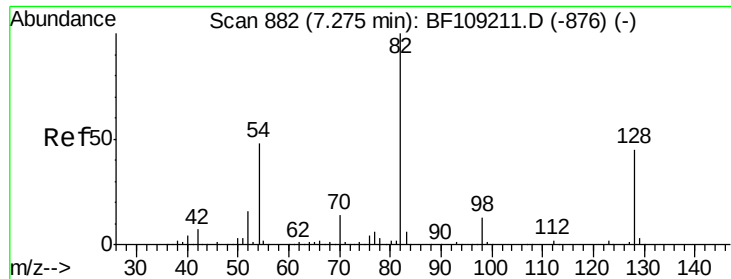
Tgt Ion:	136	Resp:	311414
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.5	6.6	9.8
68	6.4	5.0	7.4



#22
Acetophenone
Concen: 22.092 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.02 min
Lab File: BF109361.D
Acq: 27 Sep 2018 2:44

Tgt Ion:	105	Resp:	159058
Ion	Ratio	Lower	Upper
105	100		
71	2.8	4.4	6.6#
51	3.7	22.3	33.5#
120	0.3	16.9	25.3#

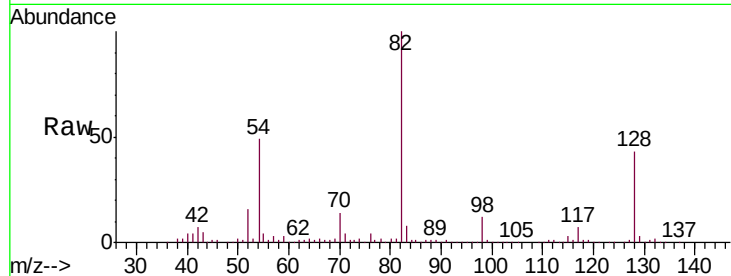




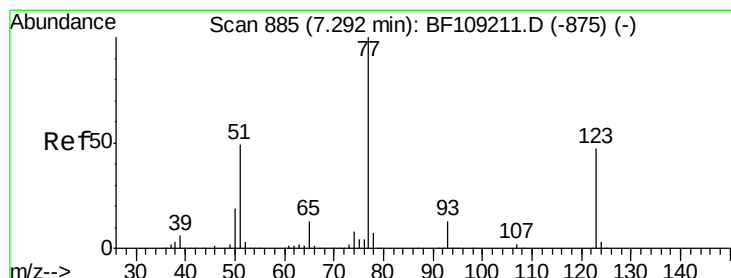
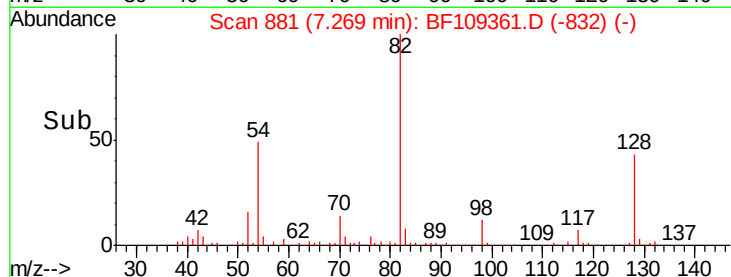
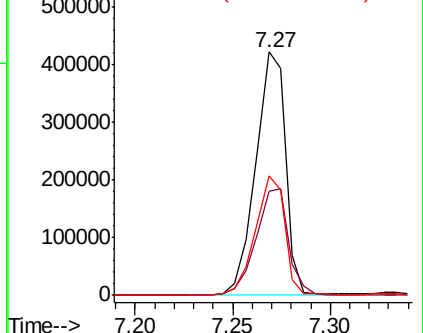
#23
 Nitrobenzene-d5
 Concen: 84.745 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF109361.D
 Acq: 27 Sep 2018 2:44

Instrument :
 BNA_F
 ClientSampleId :
 RFK-RMAB-MW10-GW

Tgt Ion: 82 Resp: 447060
 Ion Ratio Lower Upper
 82 100
 128 42.8 36.1 54.1
 54 49.2 41.4 62.2

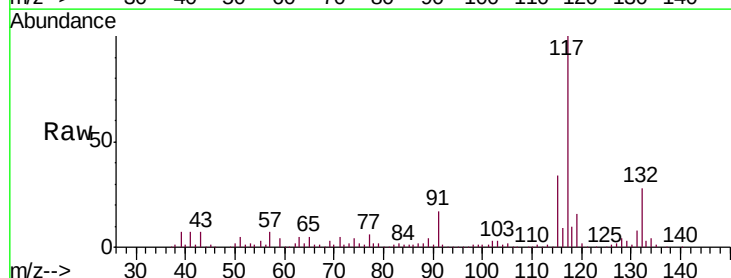


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

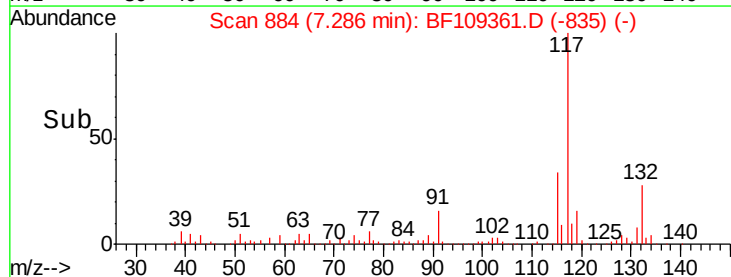
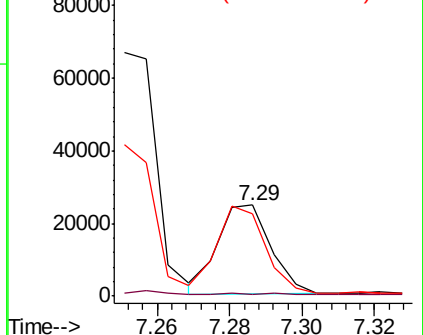


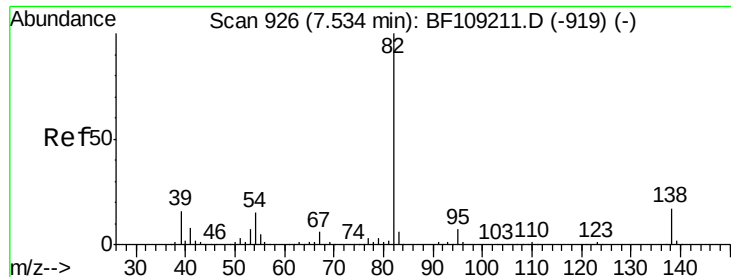
#24
 Nitrobenzene
 Concen: 4.484 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF109361.D
 Acq: 27 Sep 2018 2:44

Tgt Ion: 77 Resp: 25149
 Ion Ratio Lower Upper
 77 100
 123 2.2 37.9 56.9#
 65 89.6 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 42.135 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109361.D

Acq: 27 Sep 2018 2:44

Instrument :

BNA_F

ClientSampleId :

RFK-RMAB-MW10-GW

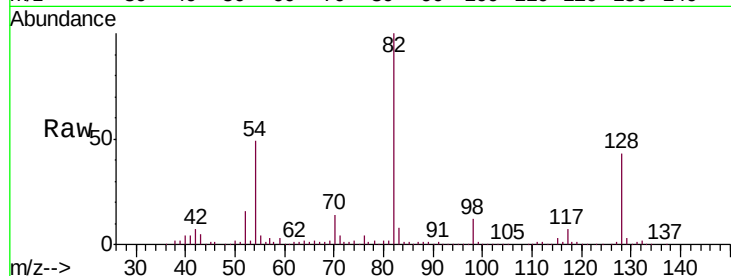
Tgt Ion: 82 Resp: 400267

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

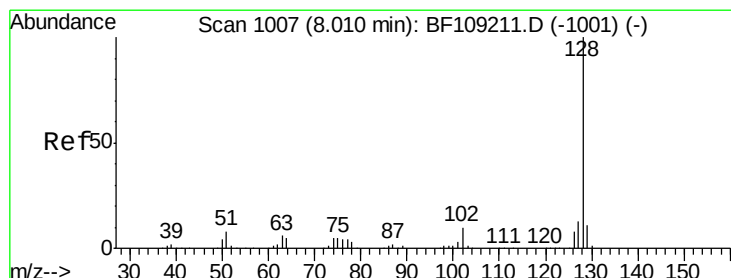
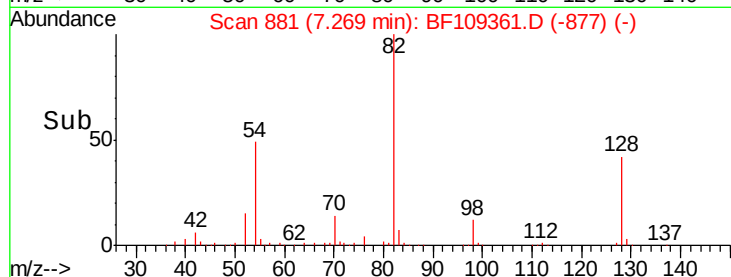
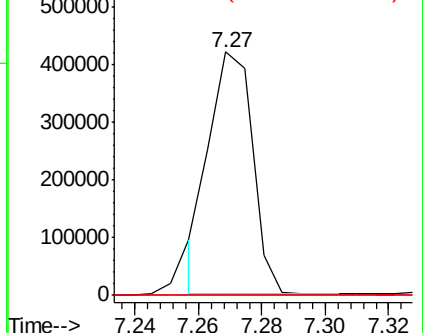
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 3.271 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF109361.D

Acq: 27 Sep 2018 2:44

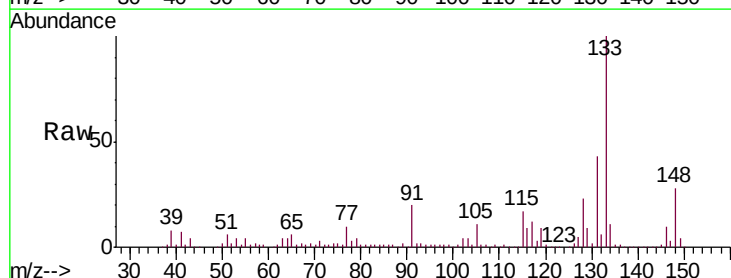
Tgt Ion: 128 Resp: 47601

Ion Ratio Lower Upper

128 100

129 37.7 8.8 13.2#

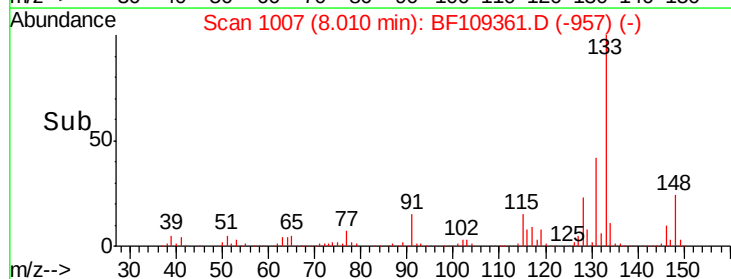
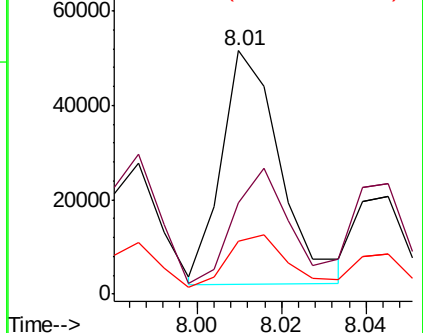
127 21.5 10.9 16.3#

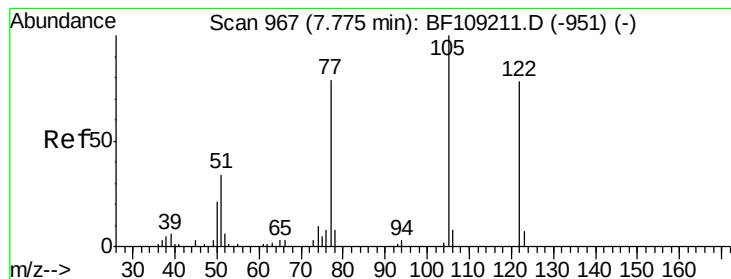


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 7.065 ng

RT: 7.85 min Scan# 980

Delta R.T. 0.03 min

Lab File: BF109361.D

Acq: 27 Sep 2018 2:44

Instrument :

BNA_F

ClientSampleId :

RFK-RMAB-MW10-GW

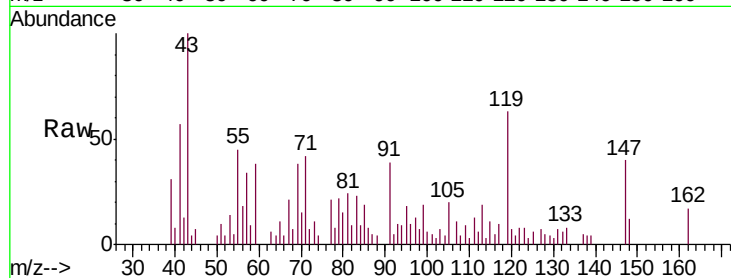
Tgt Ion:122 Resp: 879

Ion Ratio Lower Upper

122 100

105 261.8 101.1 141.1#

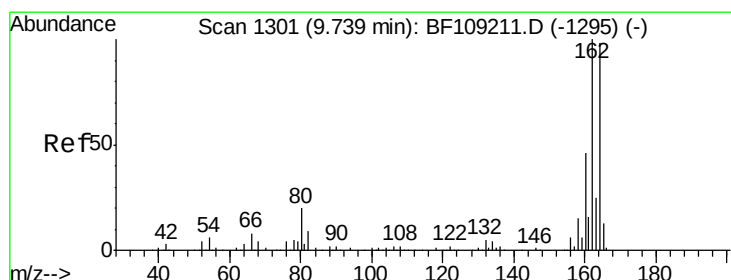
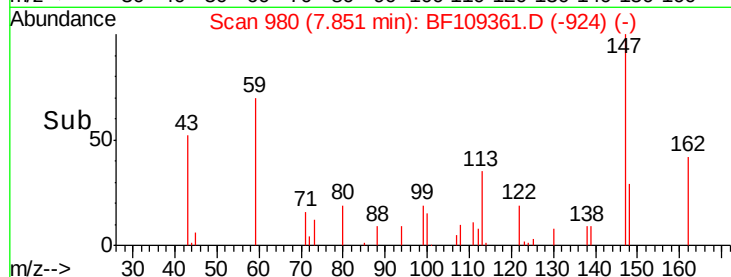
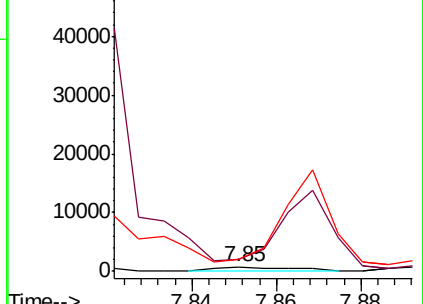
77 274.9 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BF109361.D

Acq: 27 Sep 2018 2:44

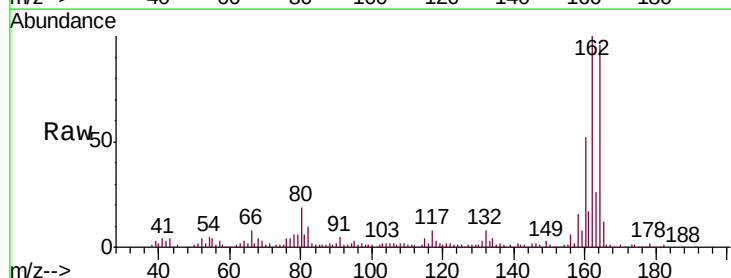
Tgt Ion:164 Resp: 144409

Ion Ratio Lower Upper

164 100

162 103.7 86.1 129.1

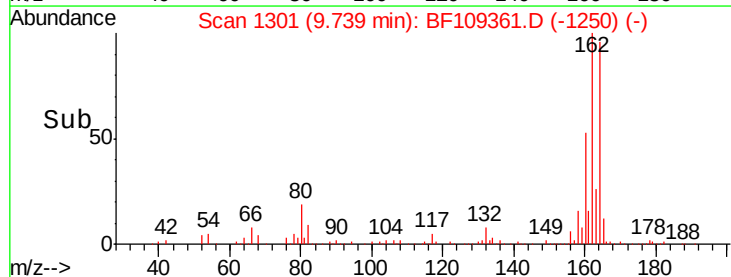
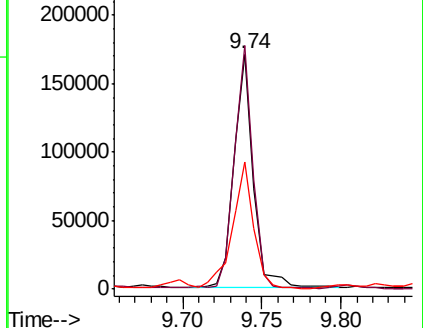
160 54.0 38.3 57.5

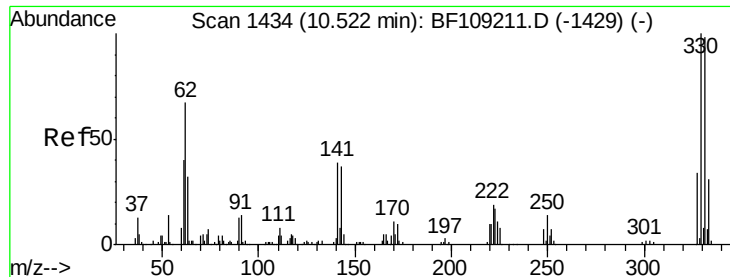


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

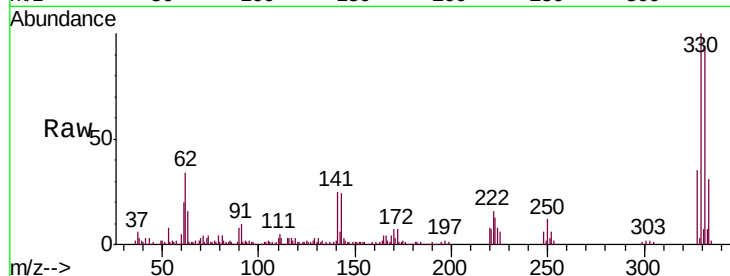




#41
 2,4,6-Tribromophenol
 Concen: 117.787 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF109361.D
 Acq: 27 Sep 2018 2:44

Instrument :
 BNA_F
 ClientSampleId :
 RFK-RMAB-MW10-GW

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	32.2	29.9	44.9

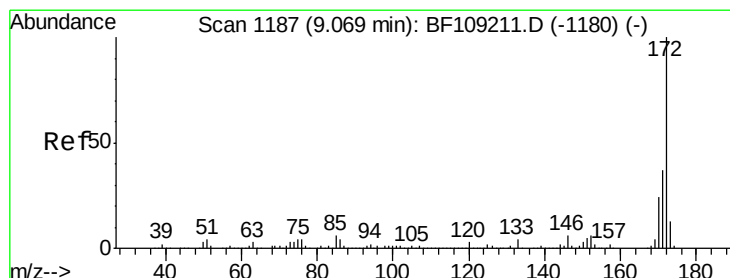
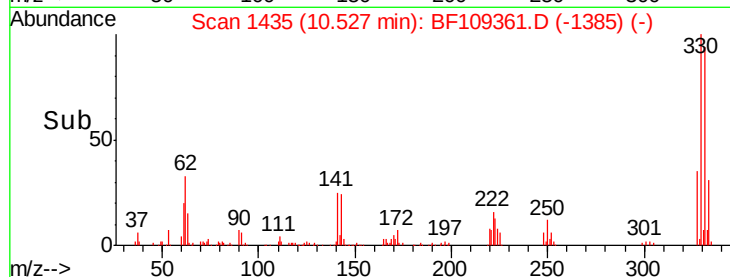
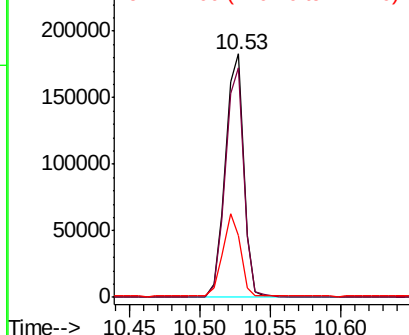


Abundance

Ion 329.80 (329.50 to 330.50): E

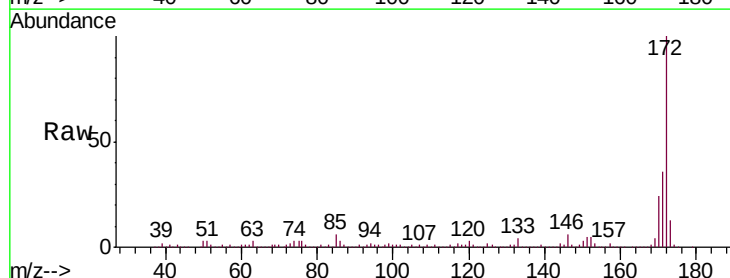
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 81.697 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF109361.D
 Acq: 27 Sep 2018 2:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	24.0	19.6	29.4

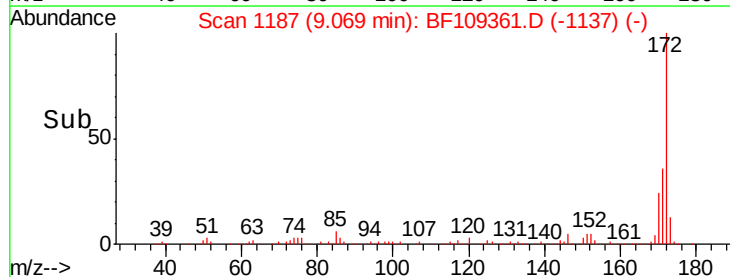
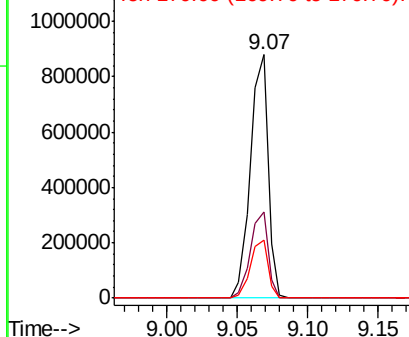


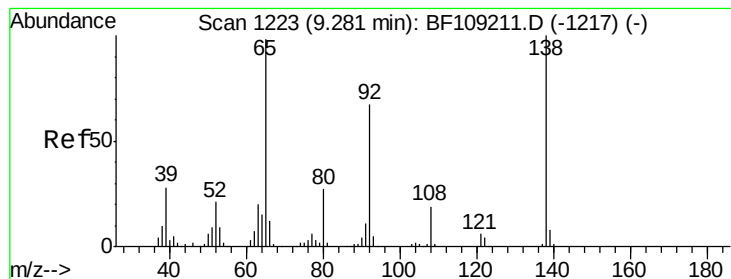
Abundance

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





#47

2-Nitroaniline

Concen: 10.885 ng

RT: 9.30 min Scan# 1226

Delta R.T. 0.01 min

Lab File: BF109361.D

Acq: 27 Sep 2018 2:44

Instrument :

BNA_F

ClientSampleId :

RFK-RMAB-MW10-GW

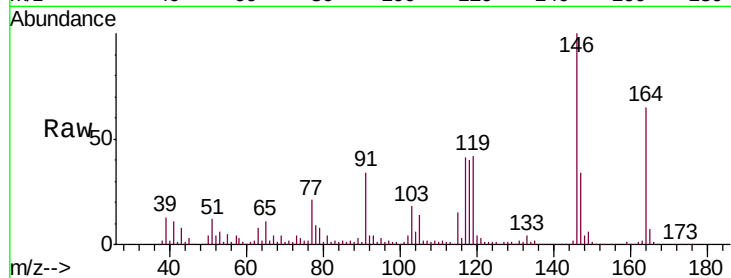
Tgt Ion: 65 Resp: 29009

Ion Ratio Lower Upper

65 100

92 39.0 55.8 83.6#

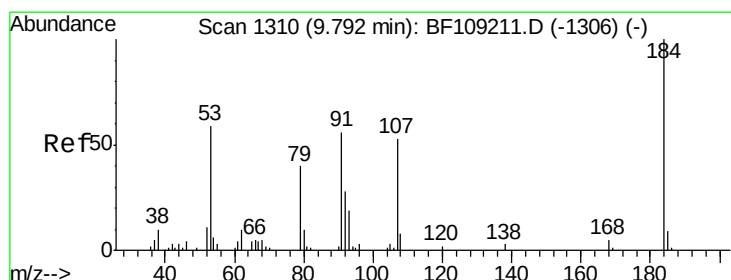
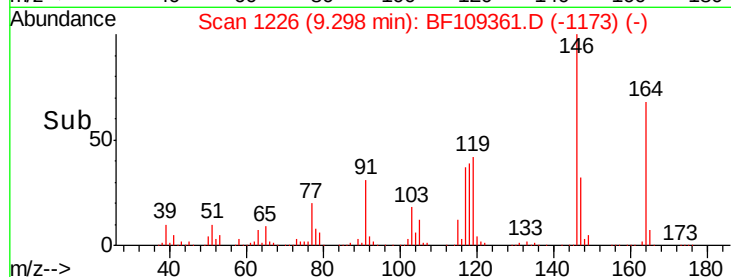
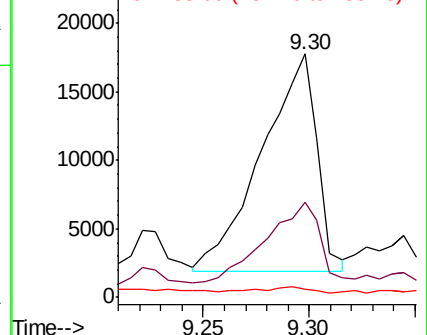
138 3.2 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#53

2,4-Dinitrophenol

Concen: 8.634 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.09 min

Lab File: BF109361.D

Acq: 27 Sep 2018 2:44

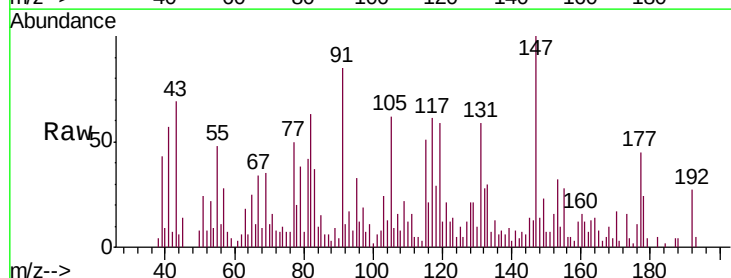
Tgt Ion: 184 Resp: 109

Ion Ratio Lower Upper

184 100

63 804.5 54.2 81.2#

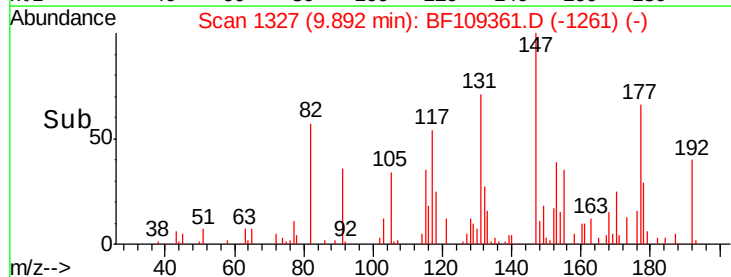
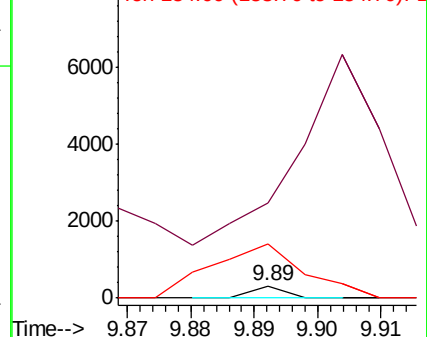
154 457.6 184.0 276.0#

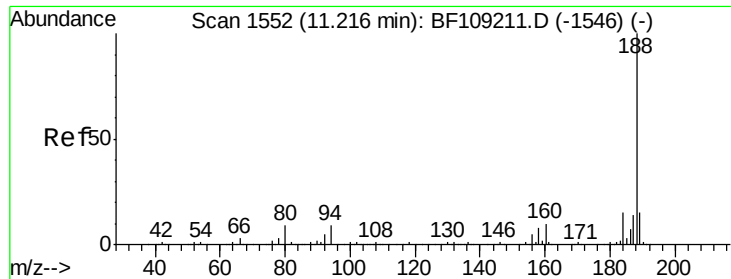


Abundance Ion 184.00 (183.70 to 184.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): BF1

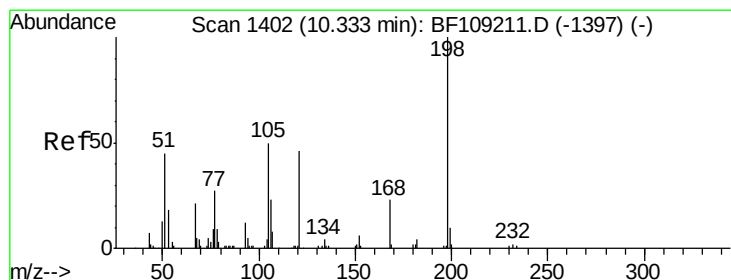
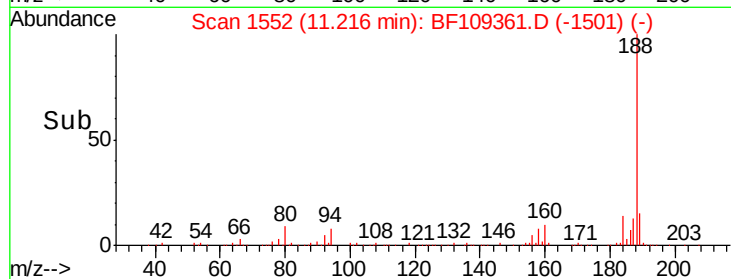
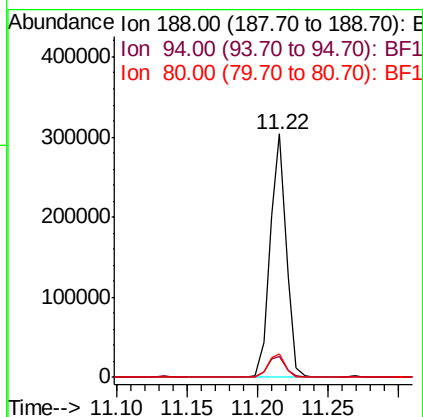
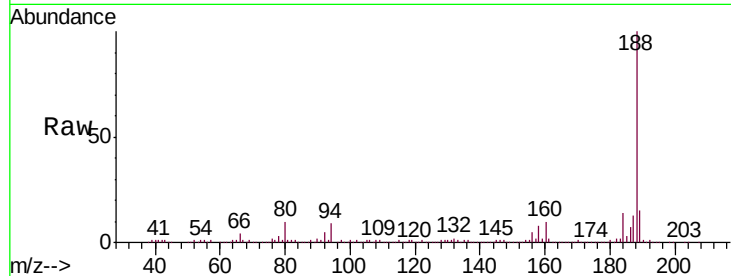




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF109361.D
Acq: 27 Sep 2018 2:44

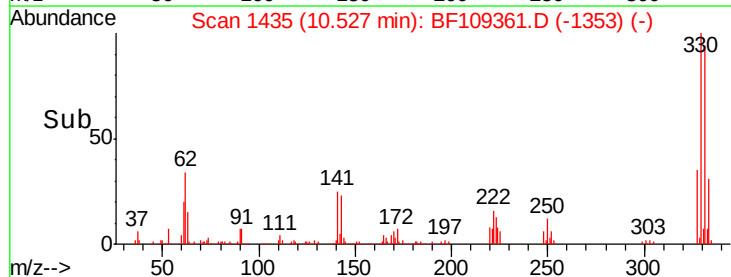
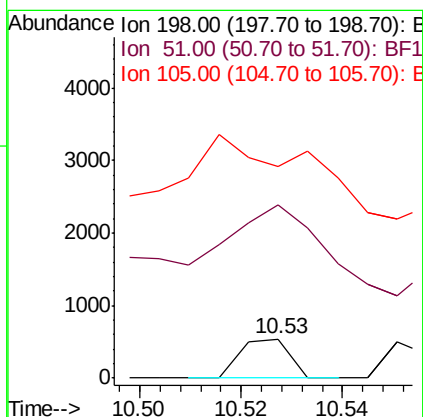
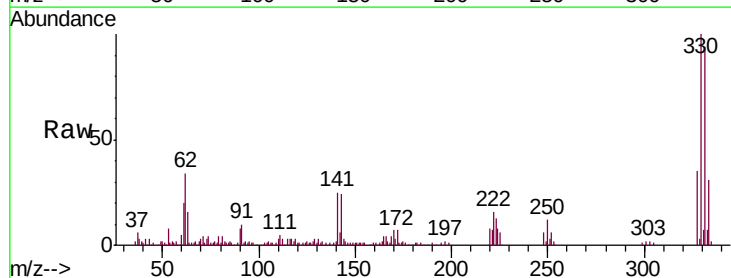
Instrument :
BNA_F
ClientSampleId :
RFK-RMAB-MW10-GW

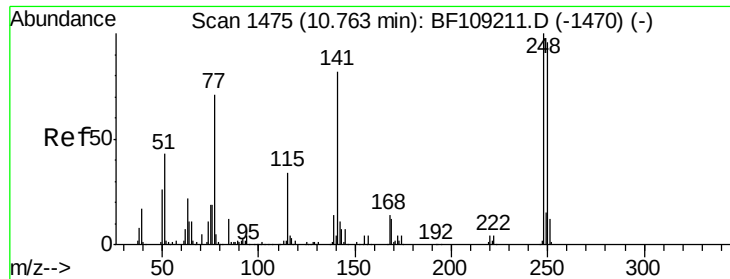
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	9.5	9.2	13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 6.841 ng
RT: 10.53 min Scan# 1435
Delta R.T. 0.18 min
Lab File: BF109361.D
Acq: 27 Sep 2018 2:44

Tgt Ion	Ratio	Lower	Upper
198	100		
51	443.9	37.7	77.7#
105	541.4	36.3	76.3#

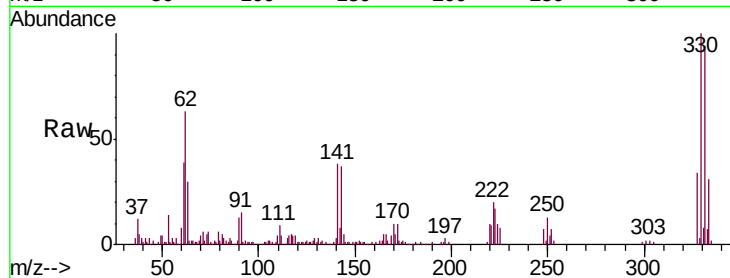




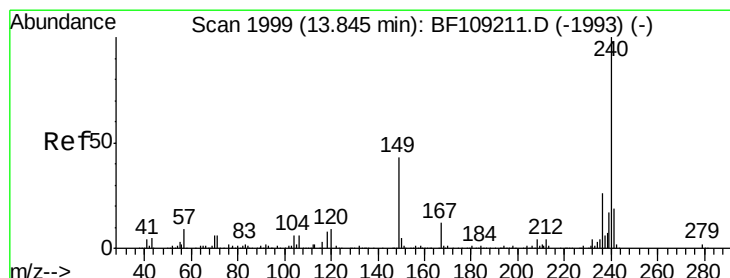
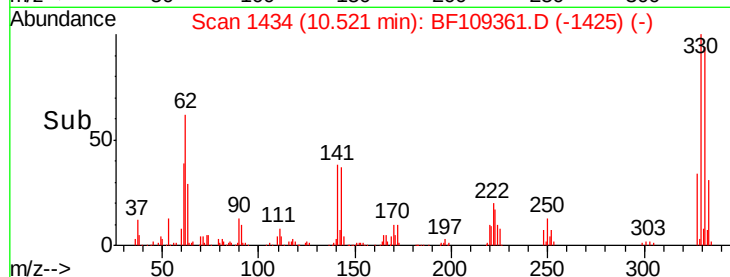
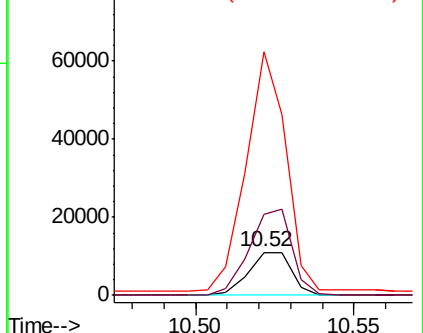
#66
4-Bromophenyl-phenylether
Concen: 3.833 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF109361.D
Acq: 27 Sep 2018 2:44

Instrument :
BNA_F
ClientSampleId :
RFK-RMAB-MW10-GW

Tgt Ion:248 Resp: 10431
Ion Ratio Lower Upper
248 100
250 187.2 76.9 115.3#
141 563.0 74.4 111.6#

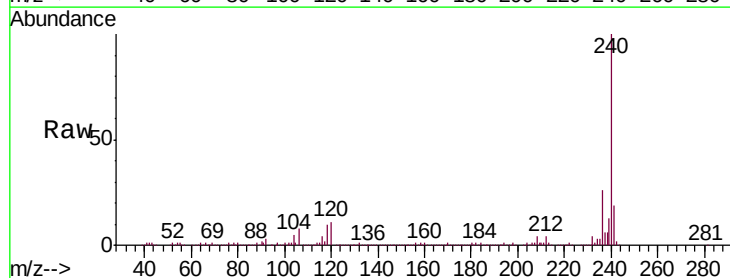


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

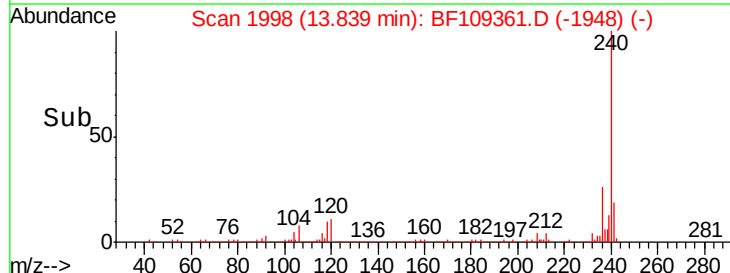
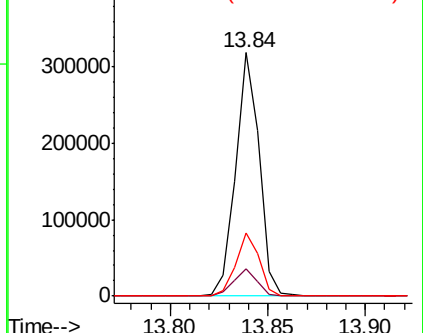


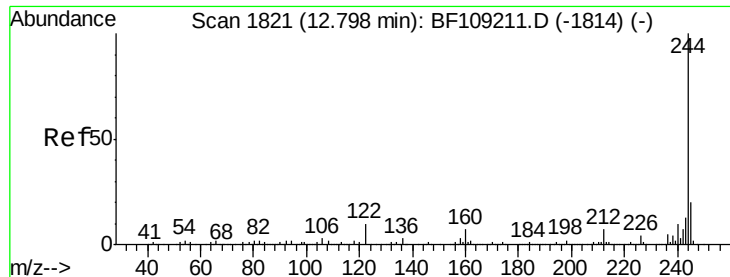
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF109361.D
Acq: 27 Sep 2018 2:44

Tgt Ion:240 Resp: 266364
Ion Ratio Lower Upper
240 100
120 11.0 9.5 14.3
236 26.2 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: 73.805 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109361.D

Acq: 27 Sep 2018 2:44

Instrument :

BNA_F

ClientSampleId :

RFK-RMAB-MW10-GW

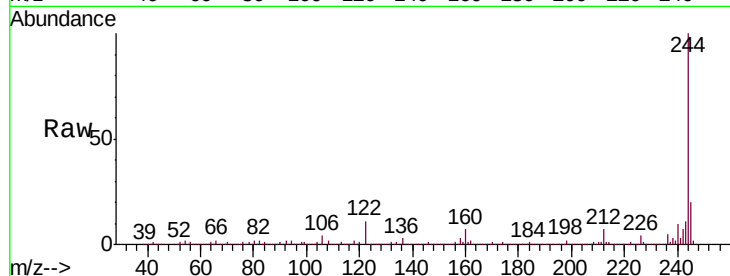
Tgt Ion:244 Resp: 801047

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

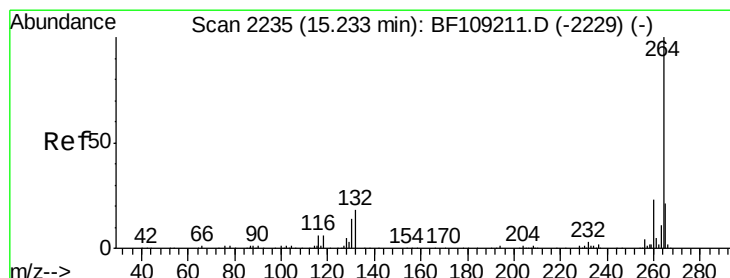
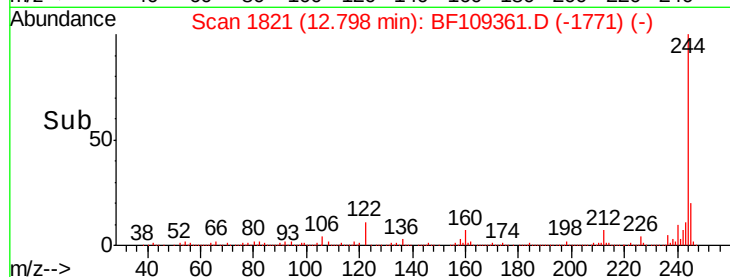
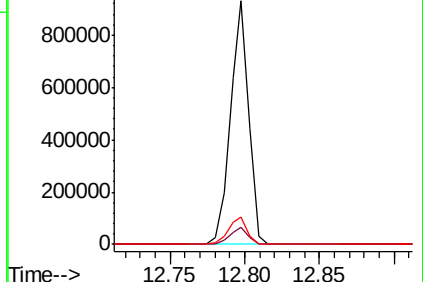
122 11.0 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BF109361.D

Acq: 27 Sep 2018 2:44

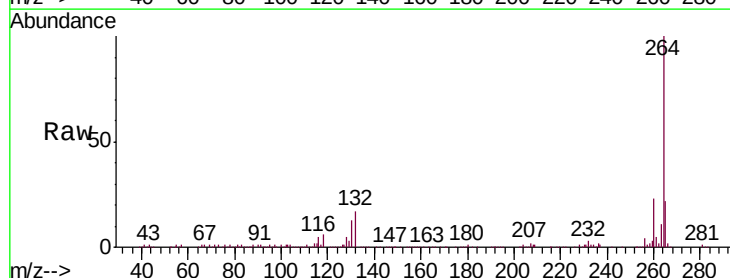
Tgt Ion:264 Resp: 223408

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 22.0 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

