

Data File : BF109364.D
Acq On : 27 Sep 2018 4:03
Operator : JU/SJ
Sample : J5053-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RFK-RMAB-MW13-GW

Quant Time: Sep 27 05:43:33 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	86491	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	296656	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	128325	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	241349	20.00	ng	0.00
75) Chrysene-d12	13.84	240	273280	20.00	ng	0.00
86) Perylene-d12	15.24	264	232061	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	271090	51.62	ng	0.00
7) Phenol-d6	6.34	99	217436	32.45	ng	-0.02
23) Nitrobenzene-d5	7.27	82	410864	81.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	154617	122.23	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	702086	82.52	ng	-0.01
78) Terphenyl-d14	12.80	244	757148	67.99	ng	0.00

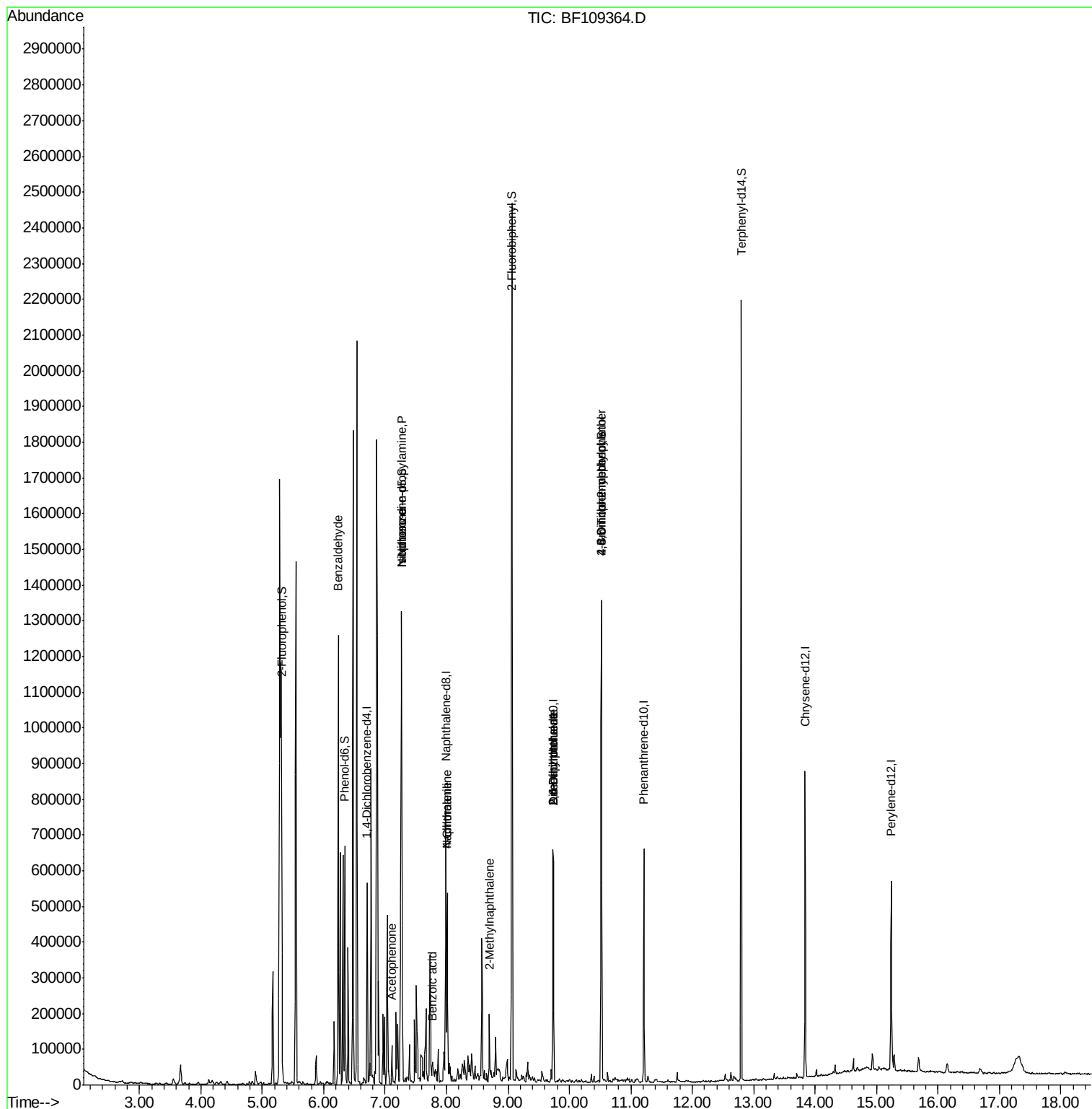
Target Compounds				Qvalue		
9) Benzaldehyde	6.24	77	54242	12.601	ng	# 1
19) n-Nitroso-di-n-propylamine	7.27	70	55013	12.530	ng	# 76
22) Acetophenone	7.11	105	34320	5.004	ng	# 73
25) Isophorone	7.27	82	392844	43.411	ng	# 64
31) Naphthalene	8.01	128	191421	13.808	ng	# 98
32) Benzoic acid	7.78	122	1787	7.369	ng	# 10
33) 4-Chloroaniline	8.01	127	25235	4.167	ng	# 32
37) 2-Methylnaphthalene	8.70	142	34448	3.855	ng	# 96
49) Dimethylphthalate	9.74	163	37048	3.969	ng	# 1
50) 2,6-Dinitrotoluene	9.73	165	15789	8.541	ng	# 25
56) 2,4-Dinitrotoluene	9.73	165	15789	6.751	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	161	6.664	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	9710	3.623	ng	# 1

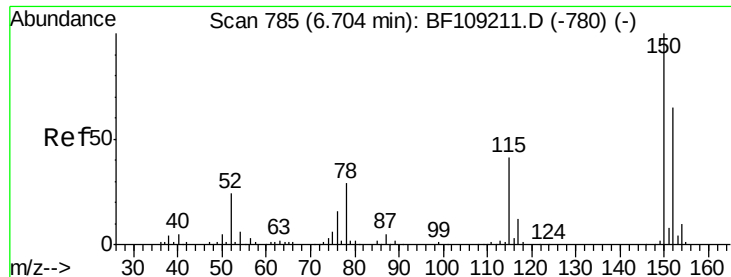
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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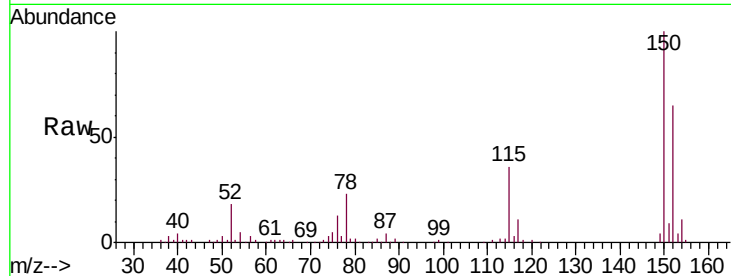




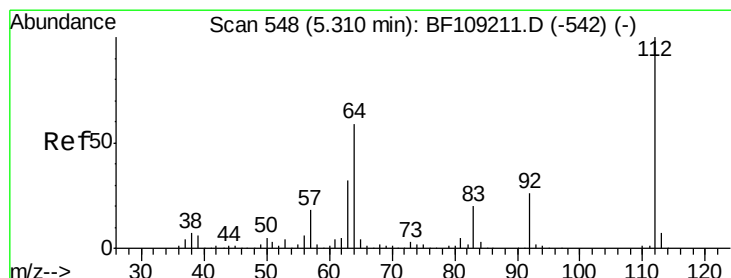
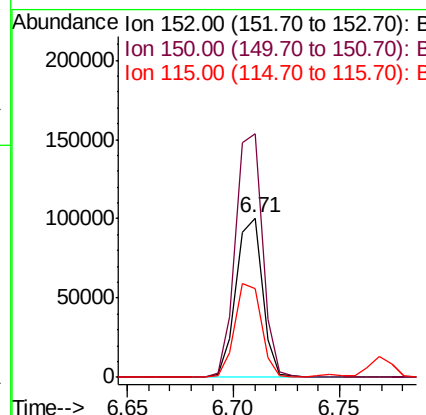
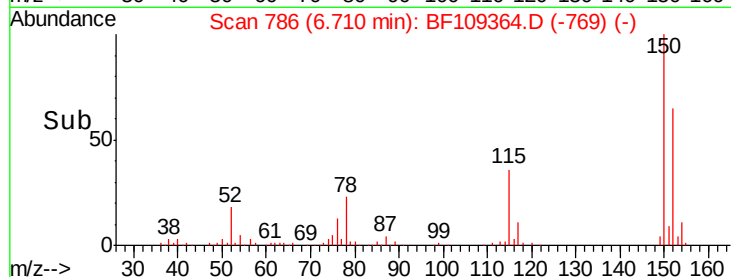
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF109364.D
 Acq: 27 Sep 2018 4:03

Instrument :
 BNA_F
 ClientSampleId :
 RFK-RMAB-MW13-GW

Tgt Ion:152 Resp: 86491
 Ion Ratio Lower Upper
 152 100
 150 153.0 124.6 186.8
 115 55.4 50.1 75.1

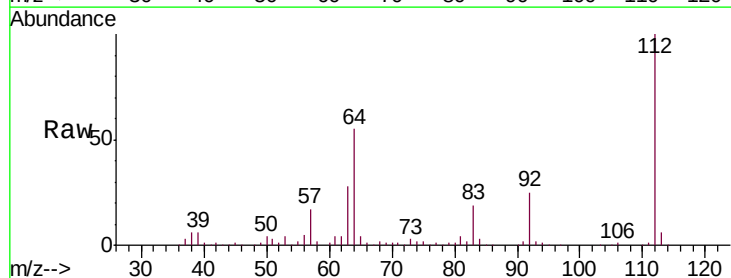


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

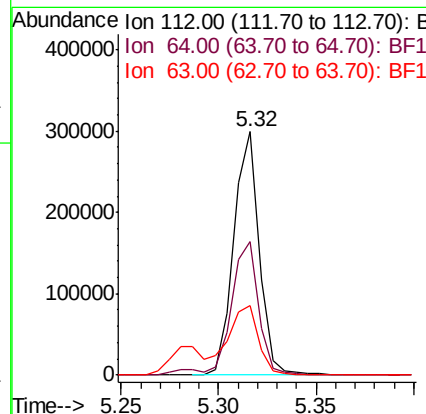
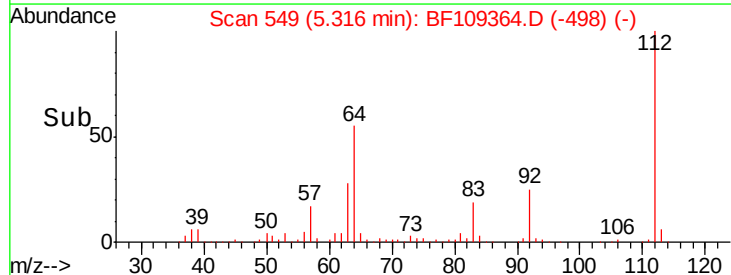


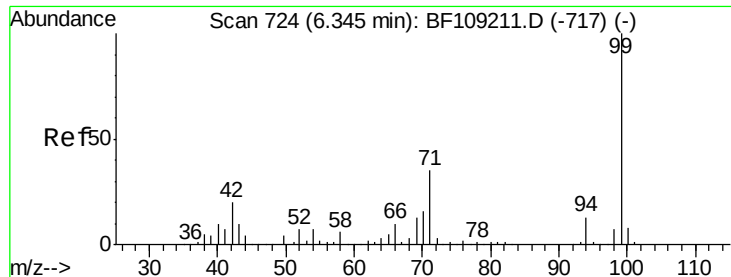
#5
 2-Fluorophenol
 Concen: 51.625 ng
 RT: 5.32 min Scan# 549
 Delta R.T. 0.00 min
 Lab File: BF109364.D
 Acq: 27 Sep 2018 4:03

Tgt Ion:112 Resp: 271090
 Ion Ratio Lower Upper
 112 100
 64 55.0 47.9 71.9
 63 28.5 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: 32.450 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109364.D

Acq: 27 Sep 2018 4:03

Instrument :

BNA_F

ClientSampleId :

RFK-RMAB-MW13-GW

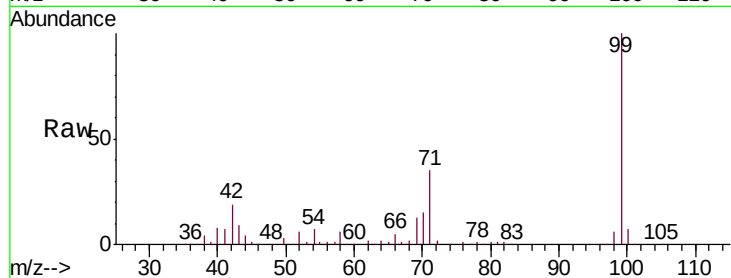
Tgt Ion: 99 Resp: 217436

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

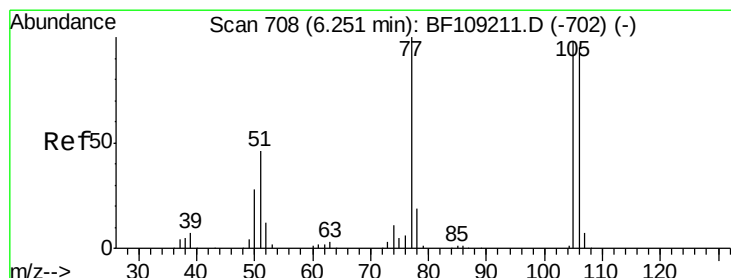
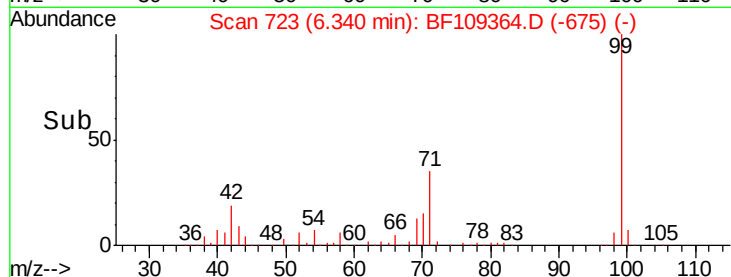
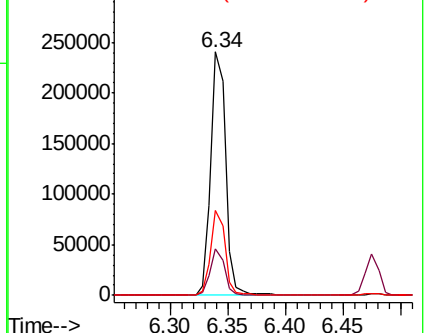
71 35.0 25.4 38.0



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



#9

Benzaldehyde

Concen: 12.601 ng

RT: 6.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF109364.D

Acq: 27 Sep 2018 4:03

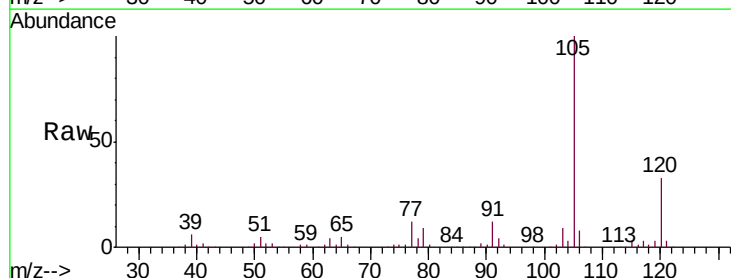
Tgt Ion: 77 Resp: 54242

Ion Ratio Lower Upper

77 100

105 848.0 81.1 121.1#

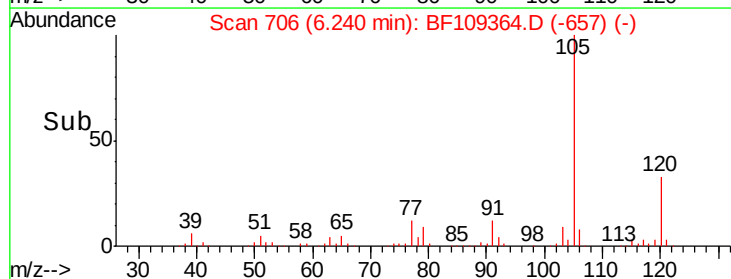
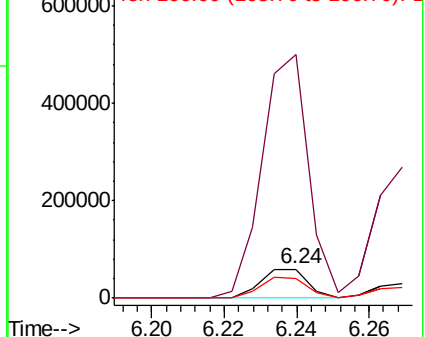
106 70.5 74.5 114.5#

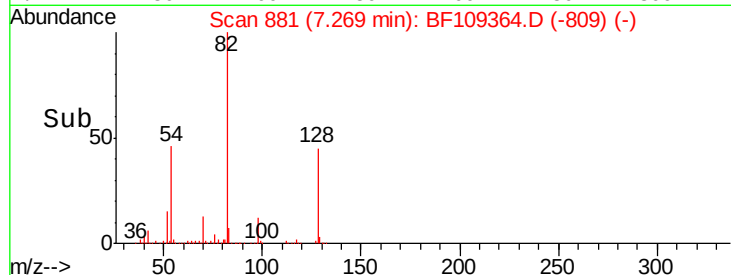
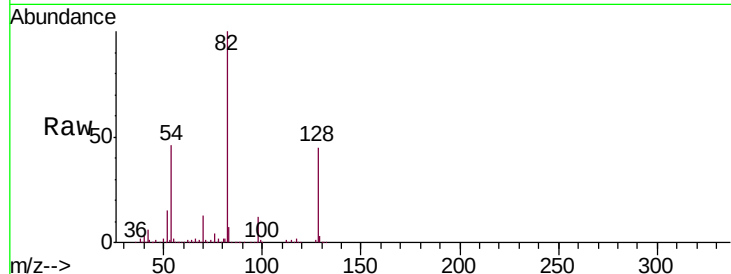
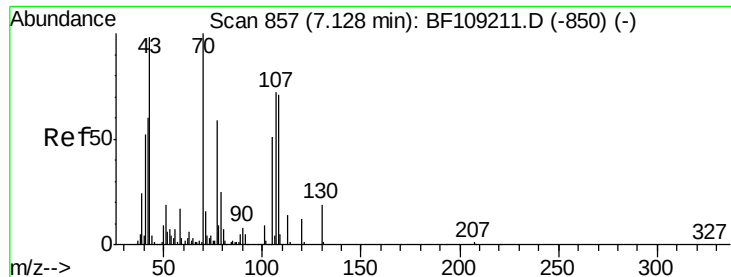


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

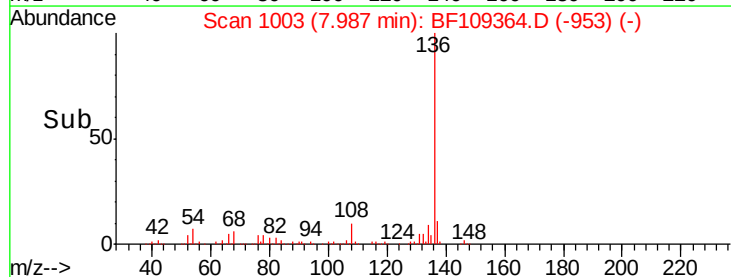
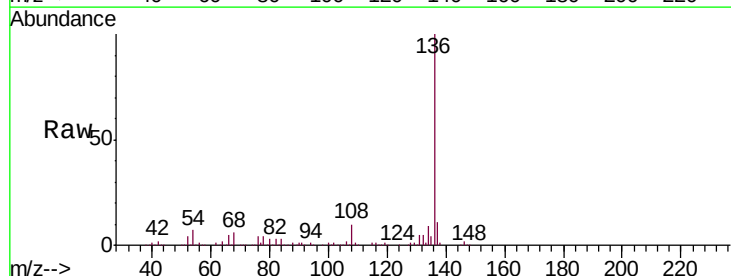
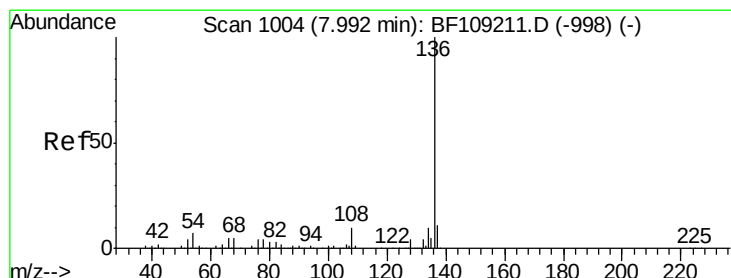
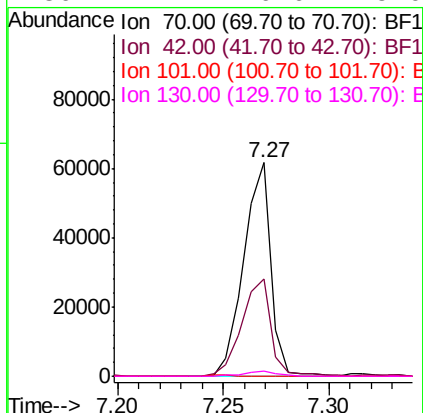




#19
n-Nitroso-di-n-propylamine
Concen: 12.530 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109364.D
Acq: 27 Sep 2018 4:03

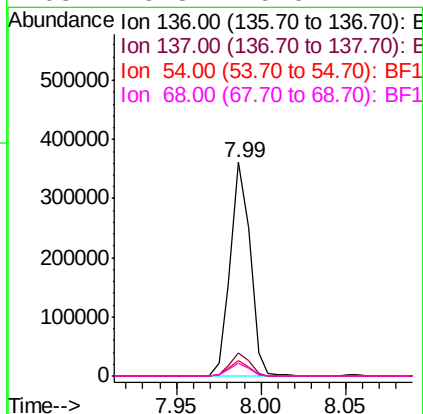
Instrument :
BNA_F
ClientSampleId :
RFK-RMAB-MW13-GW

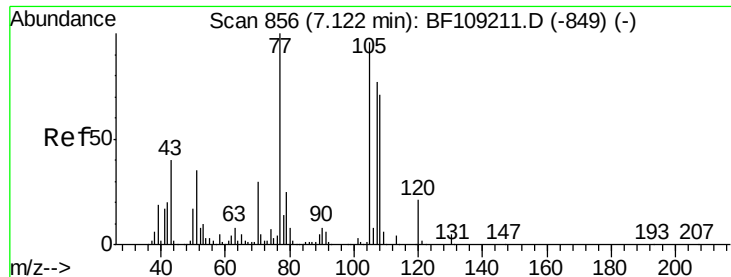
Tgt Ion: 70 Resp: 55013
Ion Ratio Lower Upper
70 100
42 45.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109364.D
Acq: 27 Sep 2018 4:03

Tgt Ion: 136 Resp: 296656
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.0 6.6 9.8
68 5.8 5.0 7.4





#22

Acetophenone

Concen: 5.004 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.02 min

Lab File: BF109364.D

Acq: 27 Sep 2018 4:03

Instrument :

BNA_F

ClientSampleId :

RFK-RMAB-MW13-GW

Tgt Ion: 105 Resp: 34320

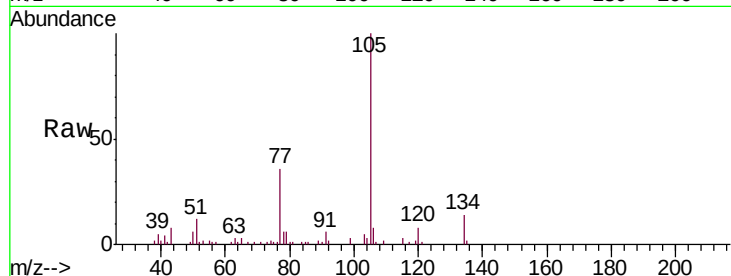
Ion Ratio Lower Upper

105 100

71 1.1 4.4 6.6#

51 12.4 22.3 33.5#

120 7.8 16.9 25.3#



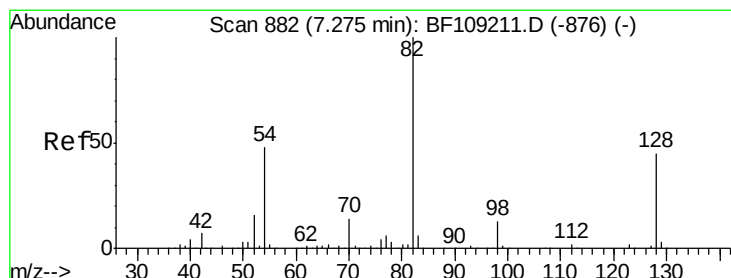
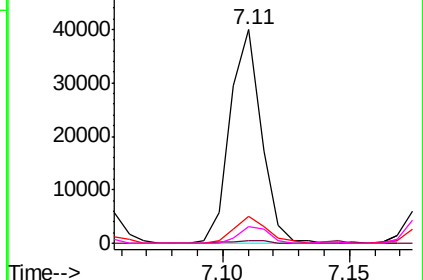
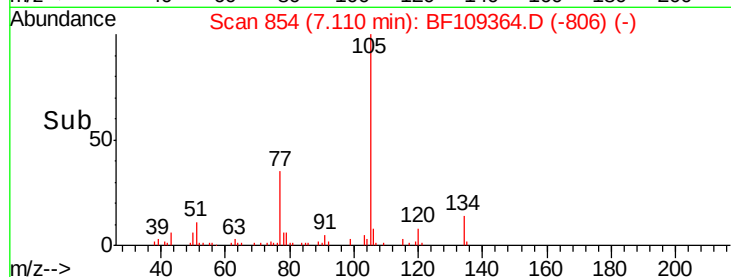
Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 81.758 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109364.D

Acq: 27 Sep 2018 4:03

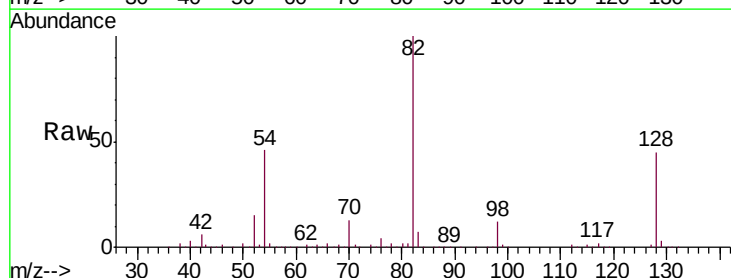
Tgt Ion: 82 Resp: 410864

Ion Ratio Lower Upper

82 100

128 45.3 36.1 54.1

54 46.2 41.4 62.2

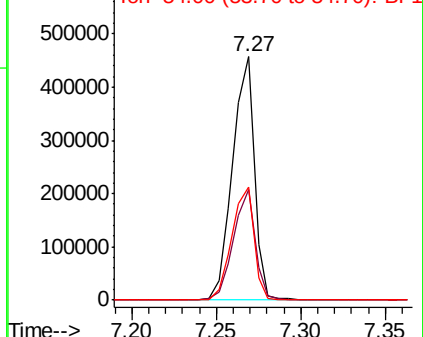
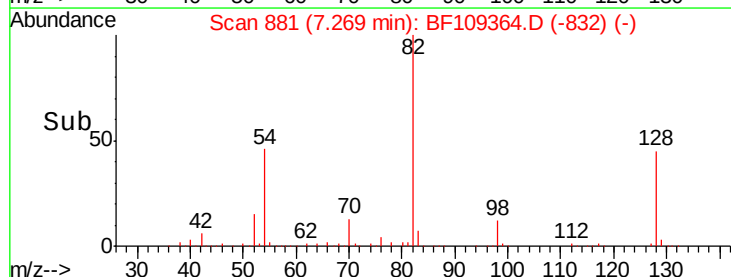


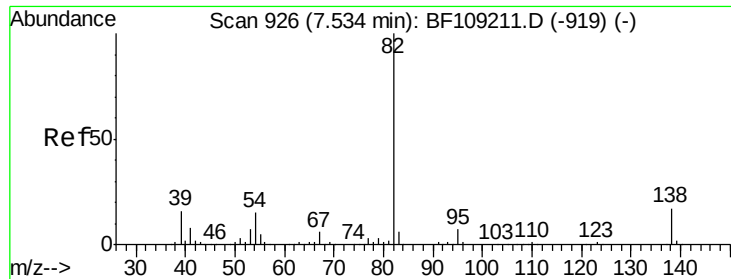
Abundance

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: 43.411 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109364.D

Acq: 27 Sep 2018 4:03

Instrument :

BNA_F

ClientSampleId :

RFK-RMAB-MW13-GW

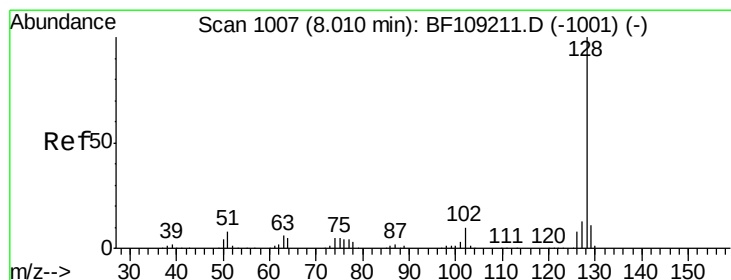
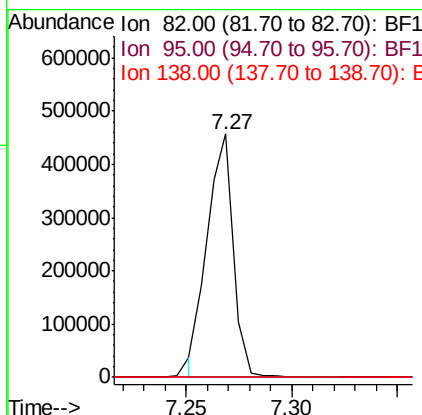
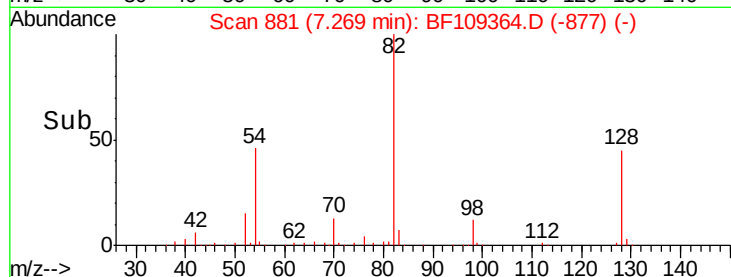
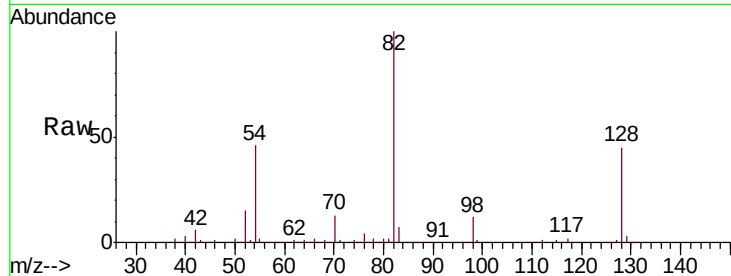
Tgt Ion: 82 Resp: 392844

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#31

Naphthalene

Concen: 13.808 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF109364.D

Acq: 27 Sep 2018 4:03

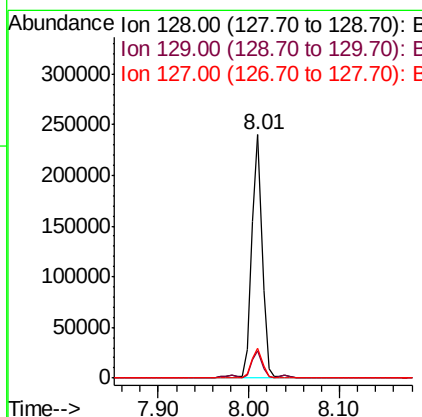
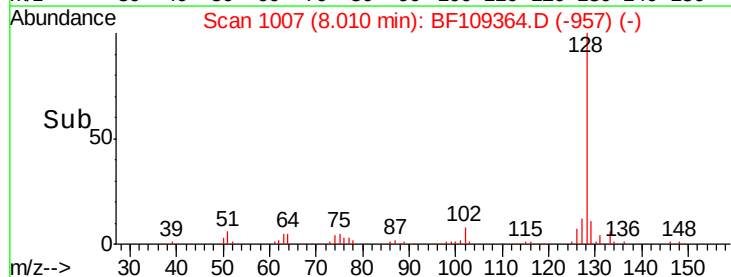
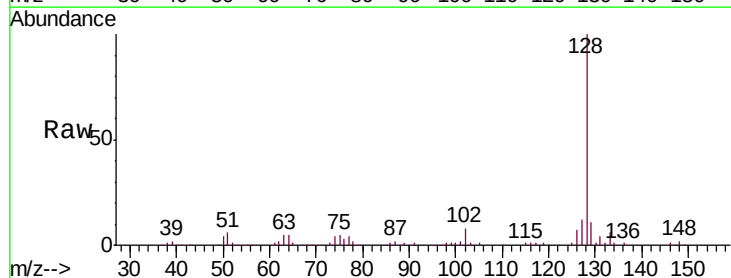
Tgt Ion: 128 Resp: 191421

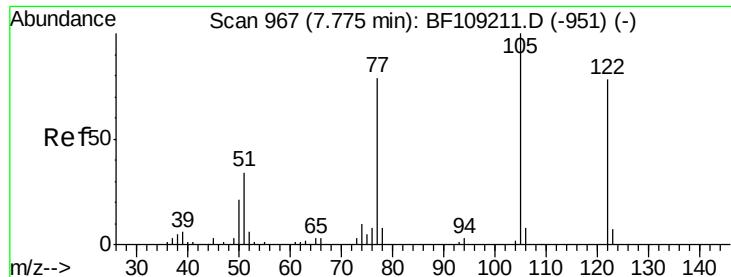
Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 12.5 10.9 16.3

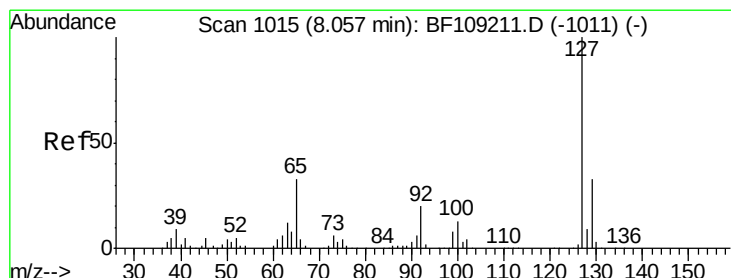
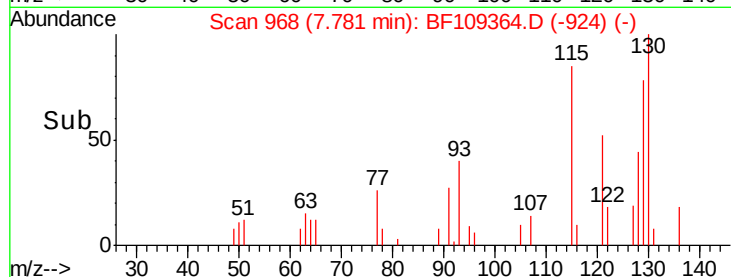
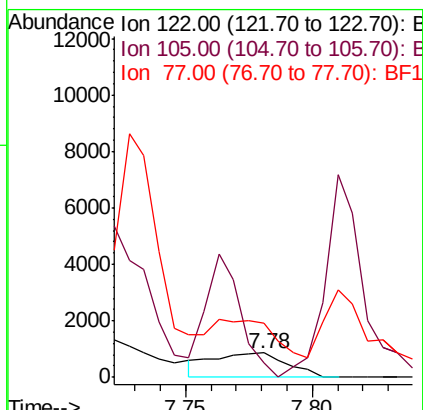
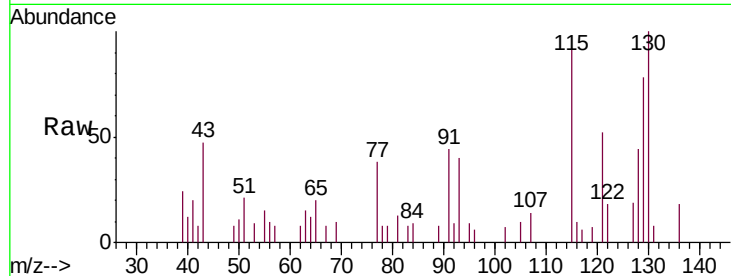




#32
Benzoic acid
Concen: 7.369 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.04 min
Lab File: BF109364.D
Acq: 27 Sep 2018 4:03

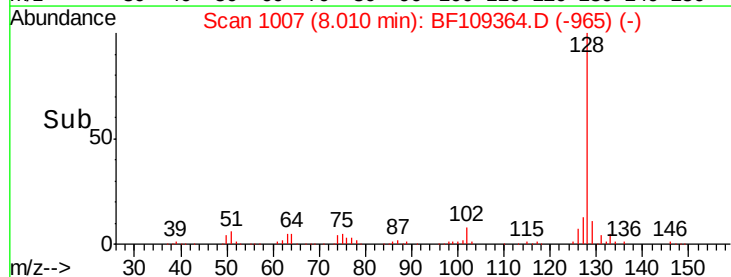
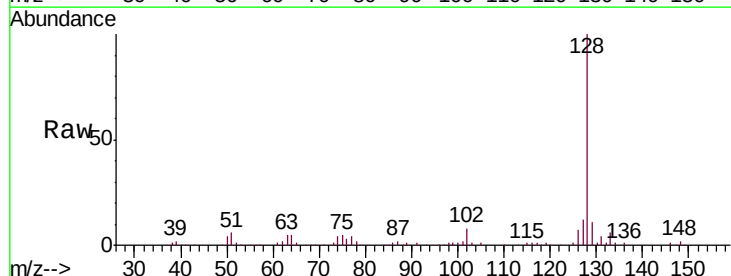
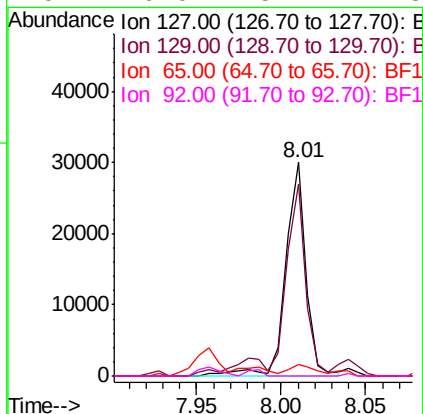
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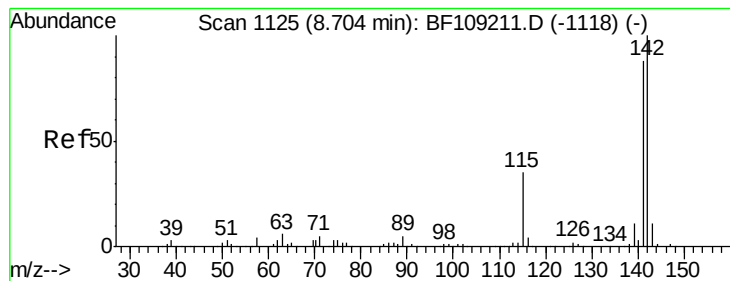
Tgt Ion:122 Resp: 1787
Ion Ratio Lower Upper
122 100
105 58.2 101.1 141.1#
77 218.5 70.7 110.7#



#33
4-Chloroaniline
Concen: 4.167 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.05 min
Lab File: BF109364.D
Acq: 27 Sep 2018 4:03

Tgt Ion:127 Resp: 25235
Ion Ratio Lower Upper
127 100
129 89.8 25.9 38.9#
65 5.3 25.0 37.4#
92 0.0 15.2 22.8#





#37

2-Methylnaphthalene

Concen: 3.855 ng

RT: 8.70 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BF109364.D

Acq: 27 Sep 2018 4:03

Instrument :

BNA_F

ClientSampleId :

RFK-RMAB-MW13-GW

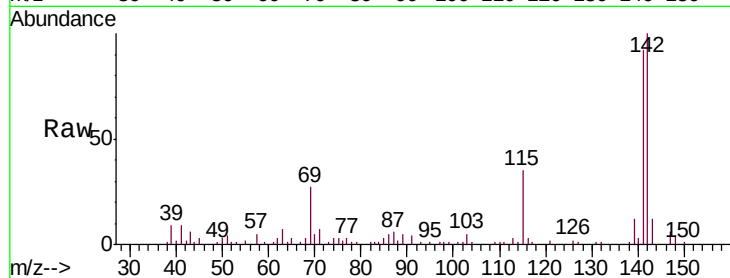
Tgt Ion:142 Resp: 34448

Ion Ratio Lower Upper

142 100

141 92.4 70.8 106.2

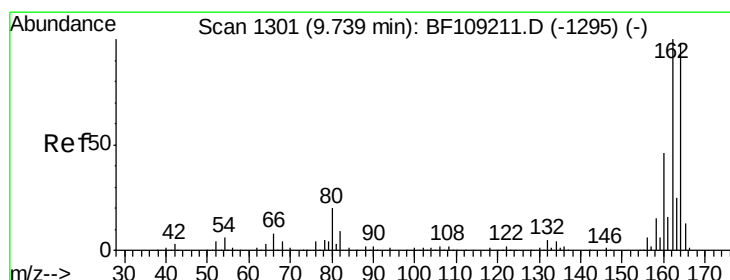
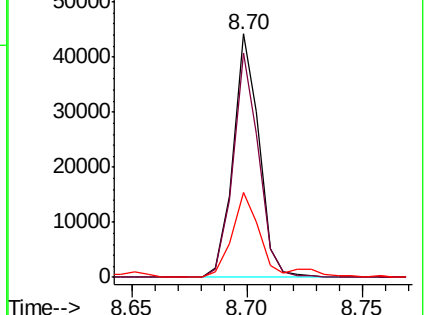
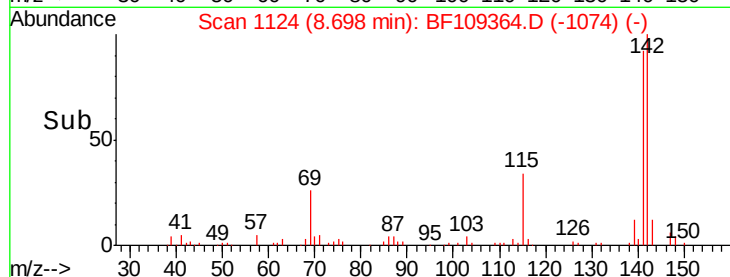
115 34.7 26.1 39.1



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: BF109364.D

Acq: 27 Sep 2018 4:03

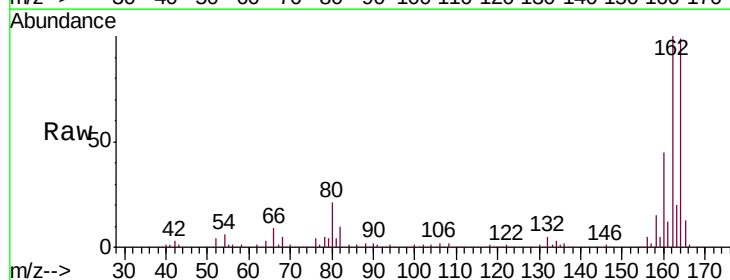
Tgt Ion:164 Resp: 128325

Ion Ratio Lower Upper

164 100

162 100.5 86.1 129.1

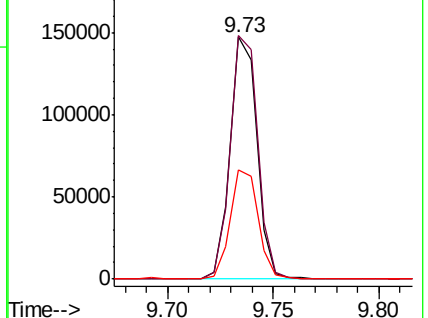
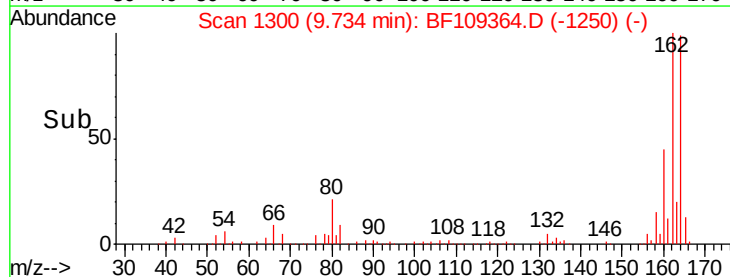
160 44.9 38.3 57.5

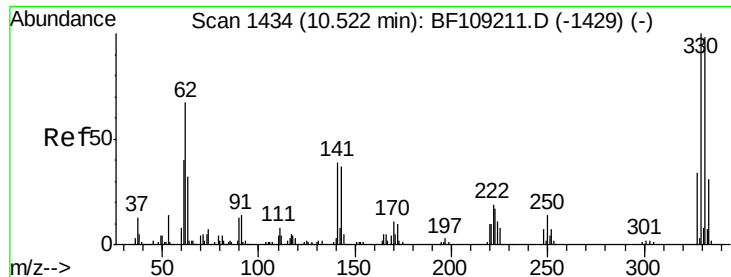


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

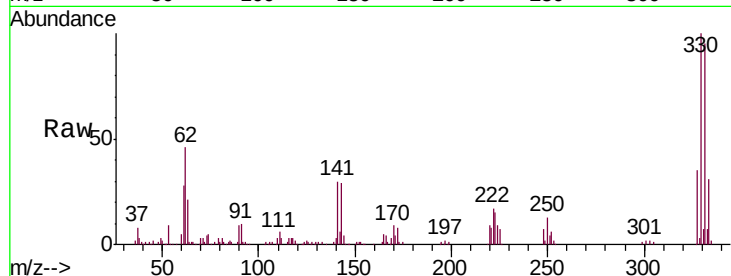




#41
 2,4,6-Tribromophenol
 Concen: 122.225 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109364.D
 Acq: 27 Sep 2018 4:03

Instrument :
 BNA_F
 ClientSampleId :
 RFK-RMAB-MW13-GW

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	32.5	29.9	44.9

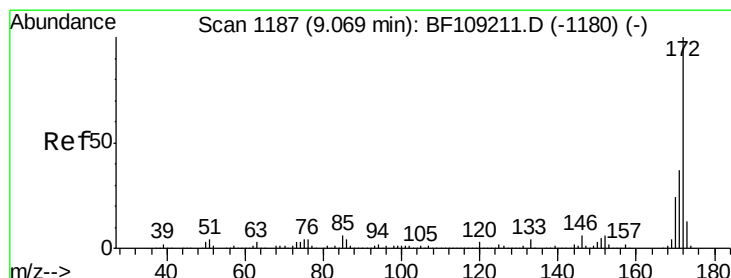
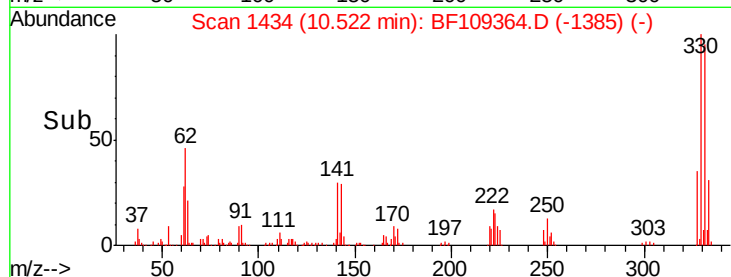
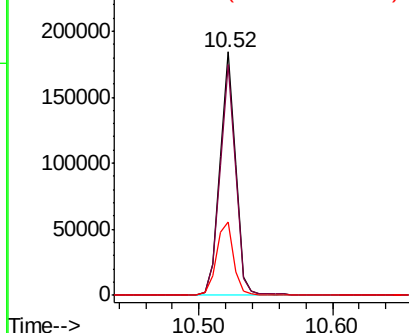


Abundance

Ion 329.80 (329.50 to 330.50): E

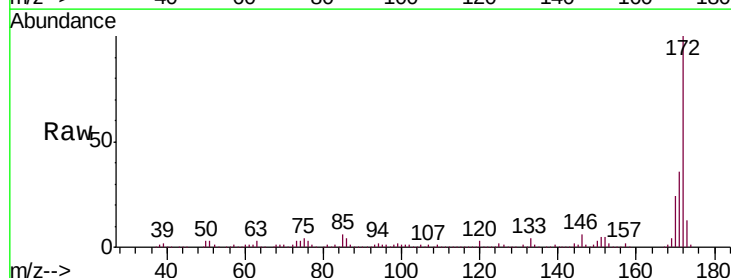
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 82.516 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109364.D
 Acq: 27 Sep 2018 4:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.6	19.6	29.4

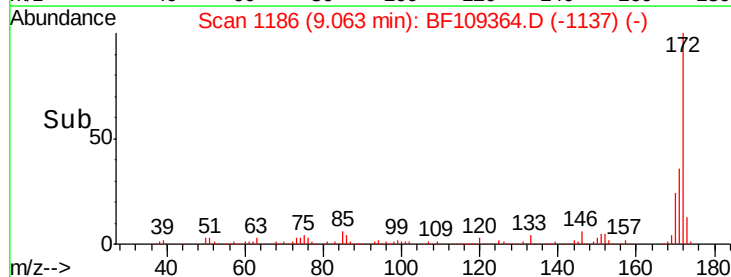
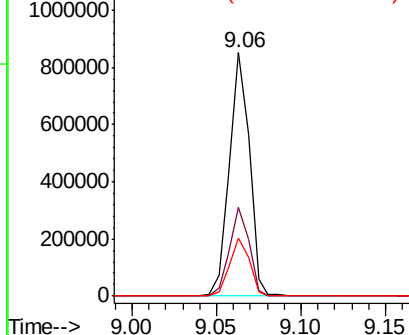


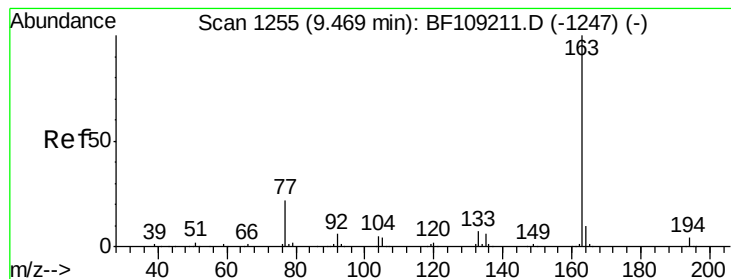
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.969 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.26 min

Lab File: BF109364.D

Acq: 27 Sep 2018 4:03

Instrument :

BNA_F

ClientSampleId :

RFK-RMAB-MW13-GW

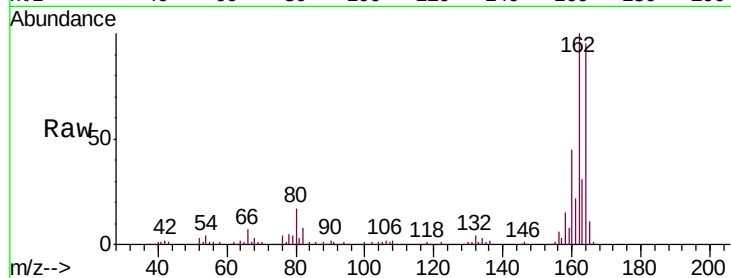
Tgt Ion:163 Resp: 37048

Ion Ratio Lower Upper

163 100

194 0.0 2.7 4.1#

164 310.4 8.2 12.2#



Abundance Ion 163.00 (162.70 to 163.70): E

200000 Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

150000

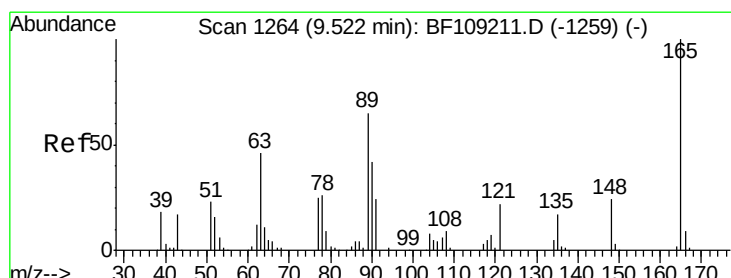
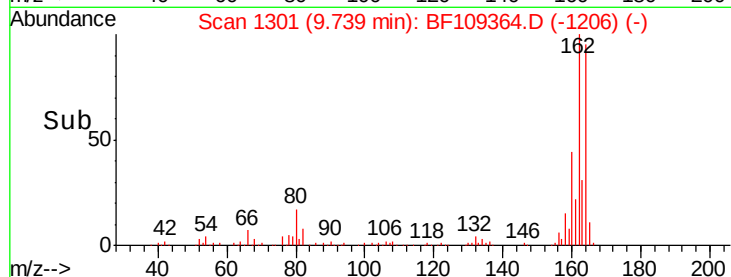
100000

50000

0

9.70 9.72 9.74 9.76

Time-->



#50

2,6-Dinitrotoluene

Concen: 8.541 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.20 min

Lab File: BF109364.D

Acq: 27 Sep 2018 4:03

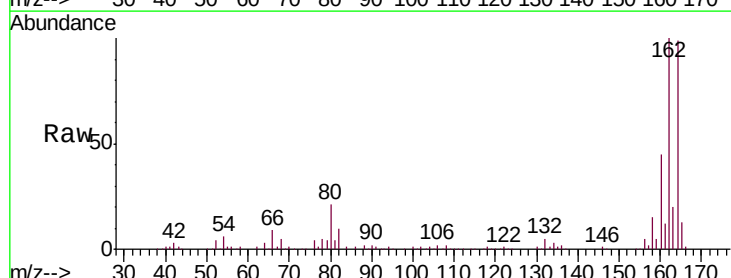
Tgt Ion:165 Resp: 15789

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

89 2.2 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

25000 Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

20000

15000

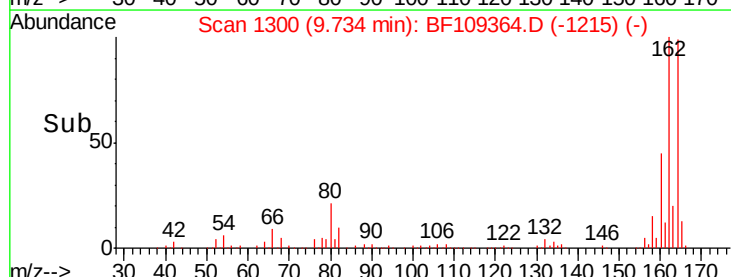
10000

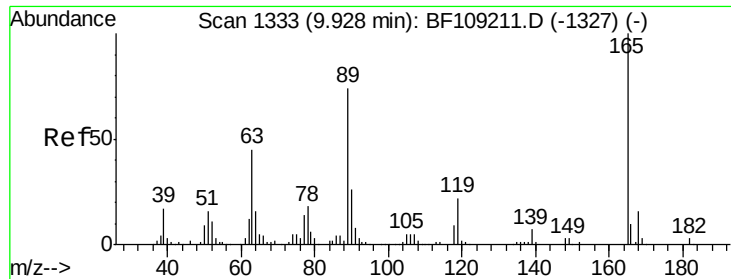
5000

0

9.70 9.72 9.74 9.76 9.78

Time-->

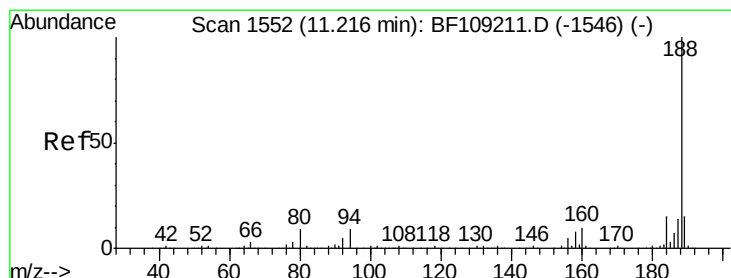
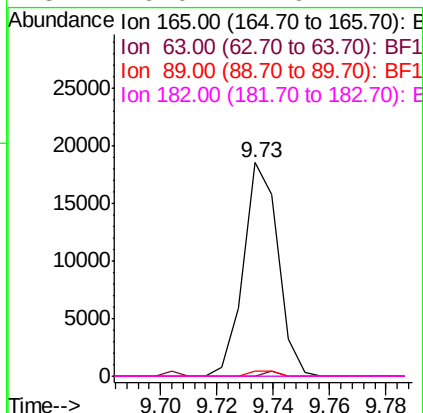
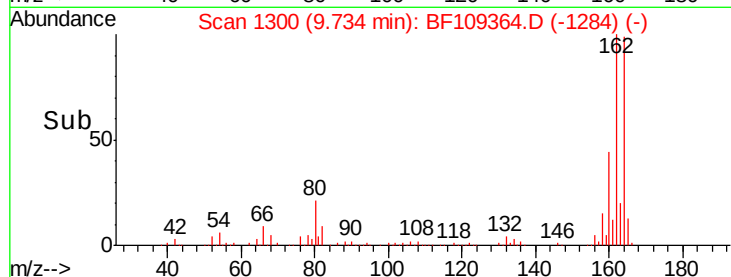
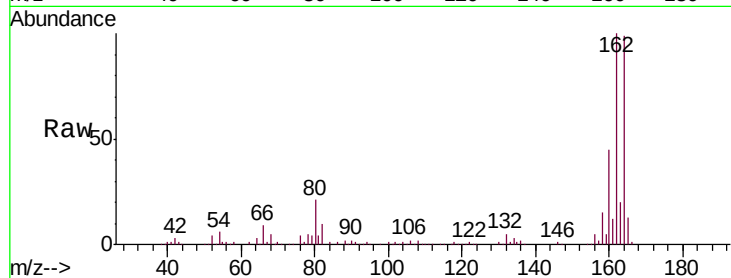




#56
 2,4-Dinitrotoluene
 Concen: 6.751 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF109364.D
 Acq: 27 Sep 2018 4:03

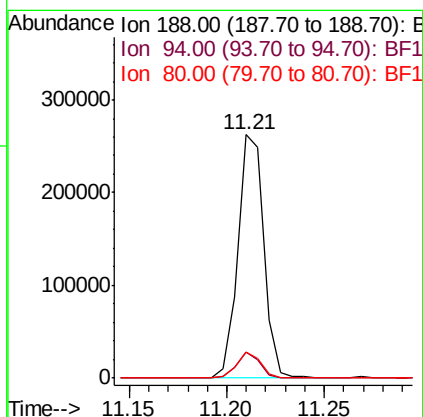
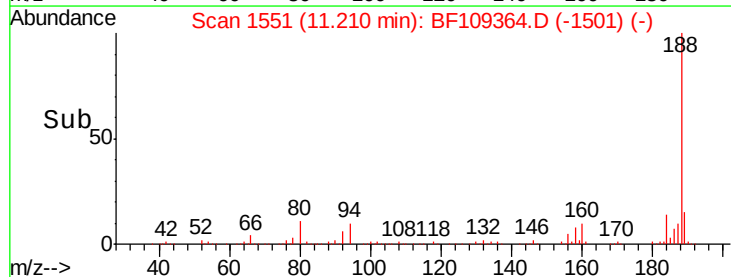
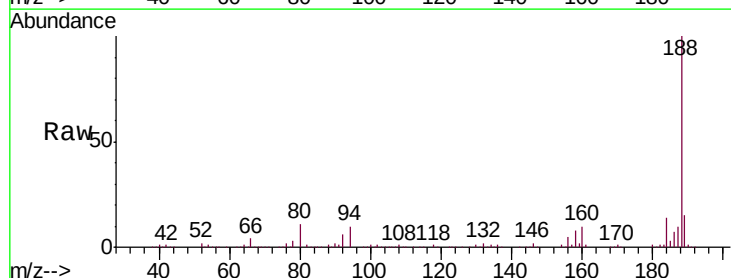
Instrument :
 BNA_F
 ClientSampleId :
 RFK-RMAB-MW13-GW

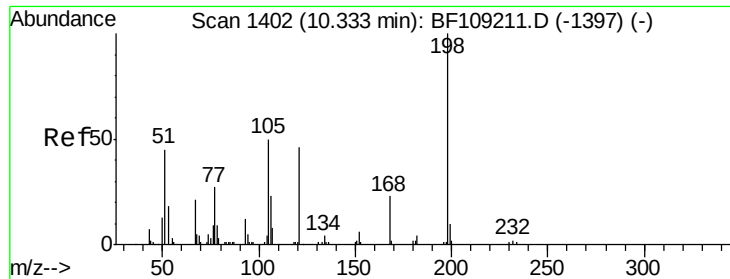
Tgt Ion:	165	Resp:	15789
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	2.2	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109364.D
 Acq: 27 Sep 2018 4:03

Tgt Ion:	188	Resp:	241349
Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	10.7	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 6.664 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.18 min

Lab File: BF109364.D

Acq: 27 Sep 2018 4:03

Instrument :

BNA_F

ClientSampleId :

RFK-RMAB-MW13-GW

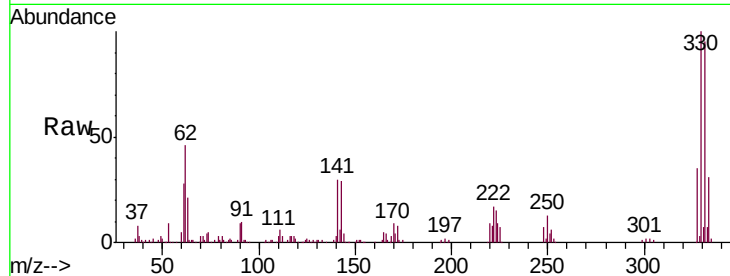
Tgt Ion:198 Resp: 161

Ion Ratio Lower Upper

198 100

51 192.1 37.7 77.7#

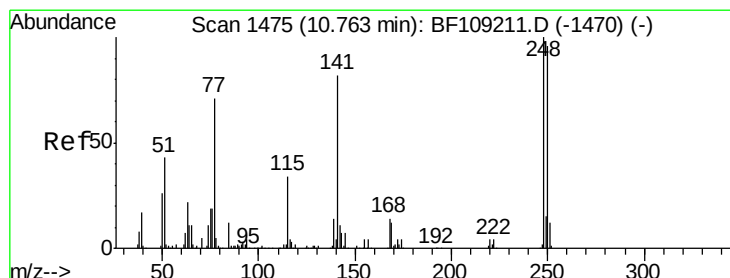
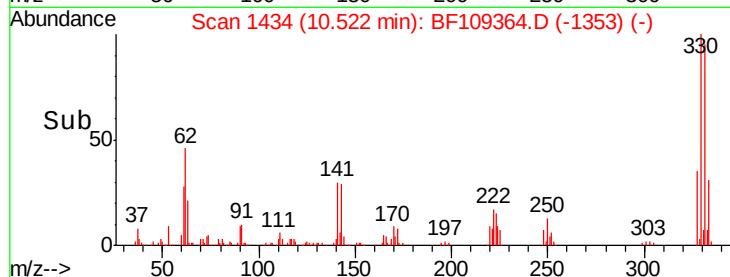
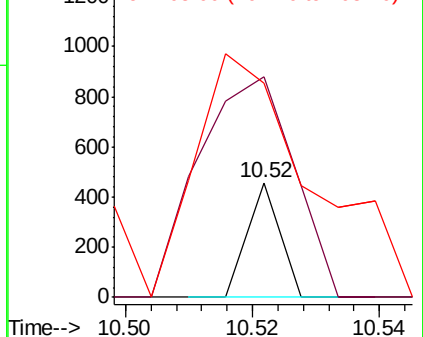
105 186.4 36.3 76.3#



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: 3.623 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.25 min

Lab File: BF109364.D

Acq: 27 Sep 2018 4:03

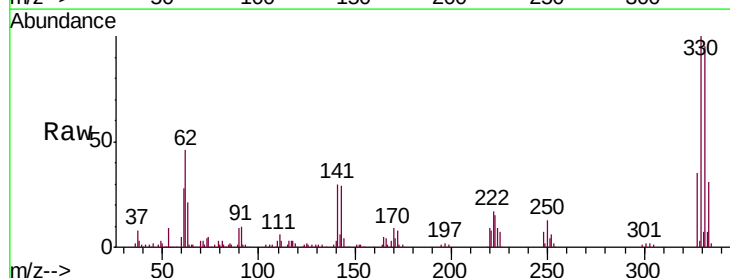
Tgt Ion:248 Resp: 9710

Ion Ratio Lower Upper

248 100

250 191.6 76.9 115.3#

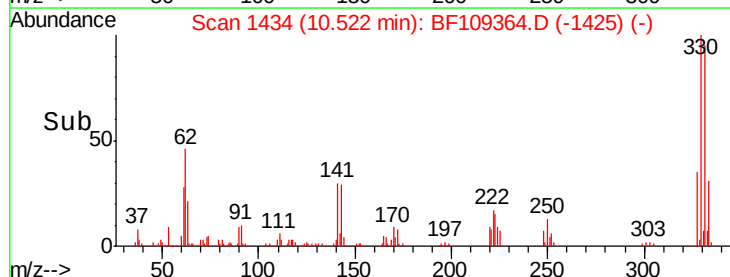
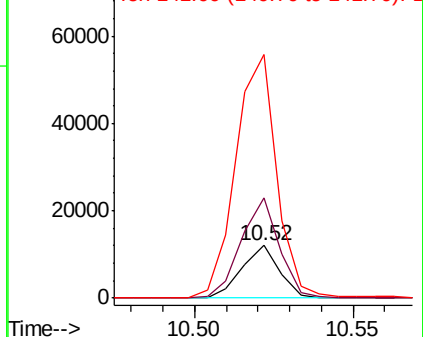
141 462.4 74.4 111.6#

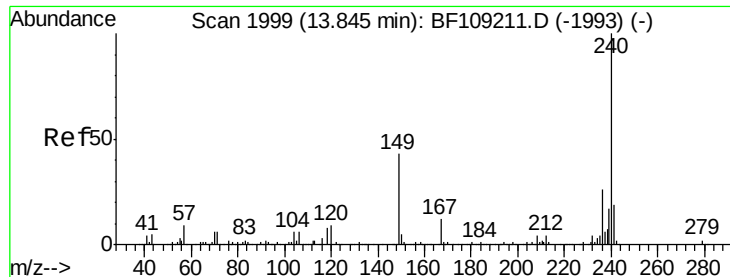


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109364.D

Acq: 27 Sep 2018 4:03

Instrument :

BNA_F

ClientSampleId :

RFK-RMAB-MW13-GW

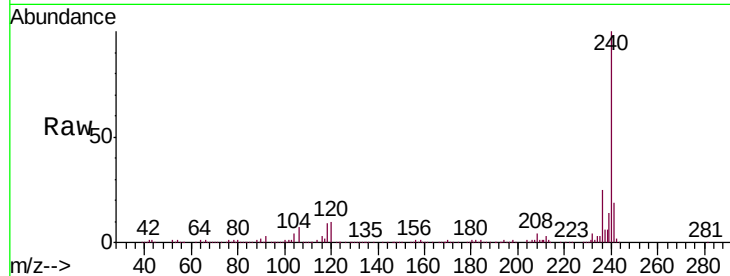
Tgt Ion:240 Resp: 273280

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

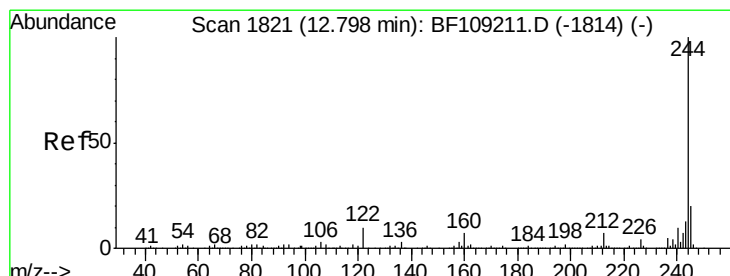
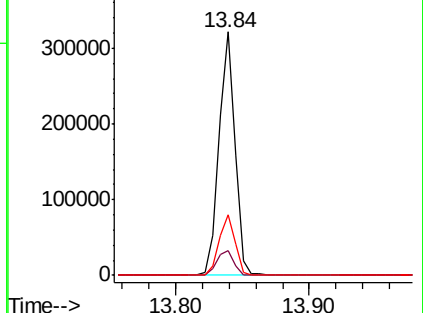
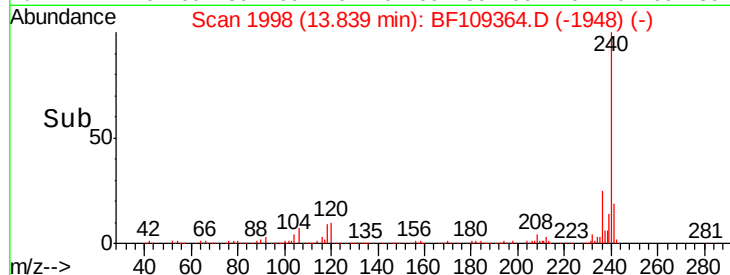
236 25.1 20.7 31.1



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: 67.995 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109364.D

Acq: 27 Sep 2018 4:03

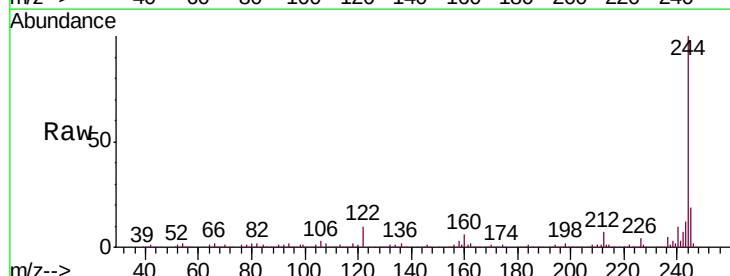
Tgt Ion:244 Resp: 757148

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

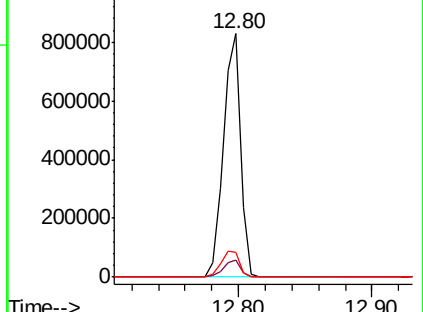
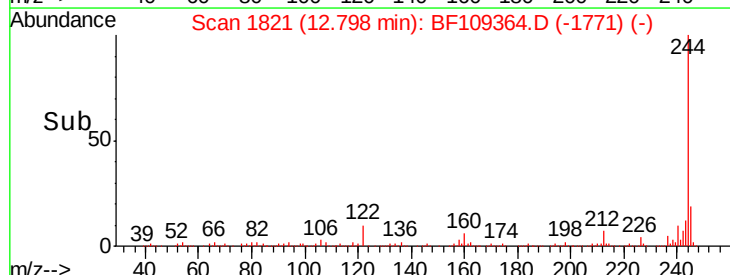
122 10.2 11.0 16.4#

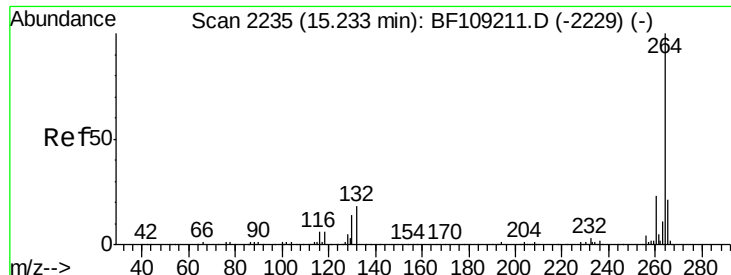


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

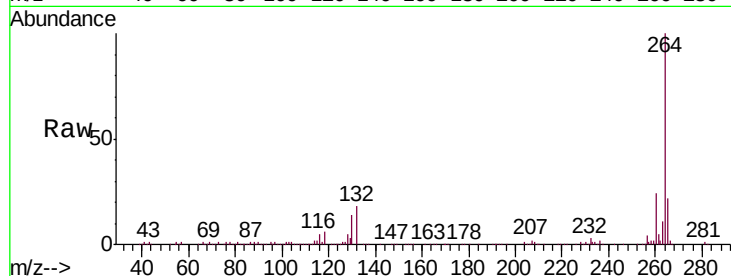




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF109364.D
Acq: 27 Sep 2018 4:03

Instrument :
BNA_F
ClientSampleId :
RFK-RMAB-MW13-GW

Tgt Ion: 264 Resp: 232061
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.7 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

