

Data File : BF109363.D
Acq On : 27 Sep 2018 3:37
Operator : JU/SJ
Sample : J5053-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RFK-RMAB-MW12-GW

Quant Time: Sep 27 05:43:17 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	92685	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	318272	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	138062	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	247716	20.00	ng	0.00
75) Chrysene-d12	13.84	240	268473	20.00	ng	0.00
86) Perylene-d12	15.24	264	238150	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	380993	67.71	ng	0.00
7) Phenol-d6	6.35	99	327493	45.61	ng	-0.01
23) Nitrobenzene-d5	7.27	82	461891	85.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	170882	125.56	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	790826	86.39	ng	-0.01
78) Terphenyl-d14	12.80	244	796604	72.82	ng	0.00

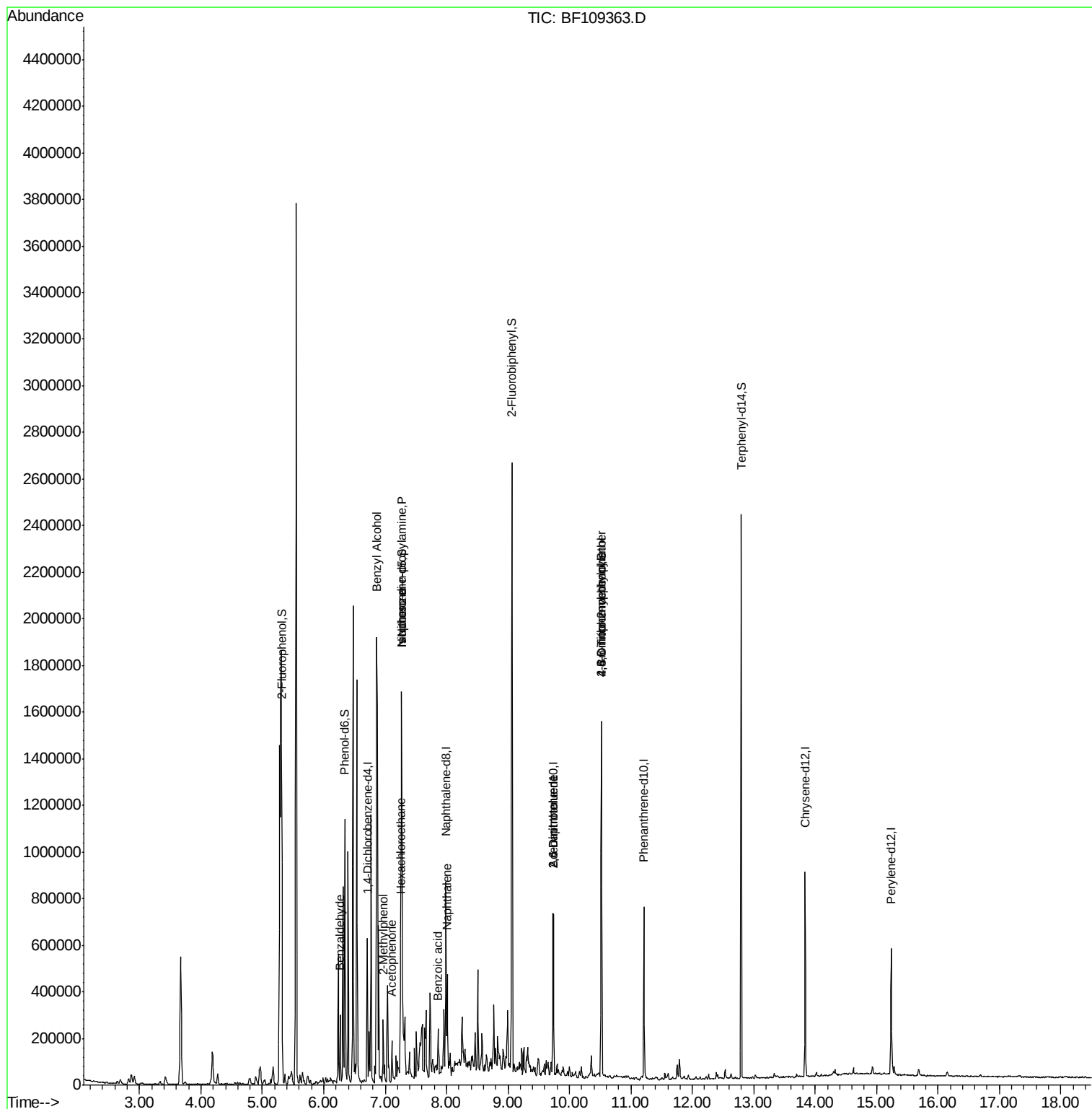
Target Compounds				Qvalue		
9) Benzaldehyde	6.26	77	11656	2.527	ng	# 1
15) Benzyl Alcohol	6.86	79	13512	2.458	ng	# 49
17) 2-Methylphenol	6.97	107	14401	2.844	ng	# 91
18) Hexachloroethane	7.25	117	15426	6.032	ng	# 1
19) n-Nitroso-di-n-propylamine	7.27	70	66162	14.062	ng	# 79
22) Acetophenone	7.11	105	51193	6.957	ng	# 80
25) Isophorone	7.27	82	440848	45.407	ng	# 64
31) Naphthalene	8.01	128	141870	9.539	ng	# 98
32) Benzoic acid	7.85	122	3514	7.846	ng	# 42
50) 2,6-Dinitrotoluene	9.73	165	17850	8.975	ng	# 27
56) 2,4-Dinitrotoluene	9.73	165	17850	7.093	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.52	198	325	6.803	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	10527	3.827	ng	# 1

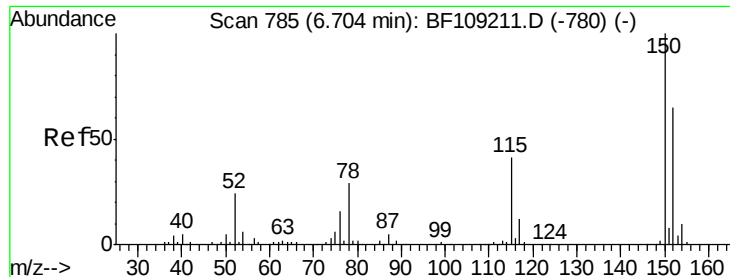
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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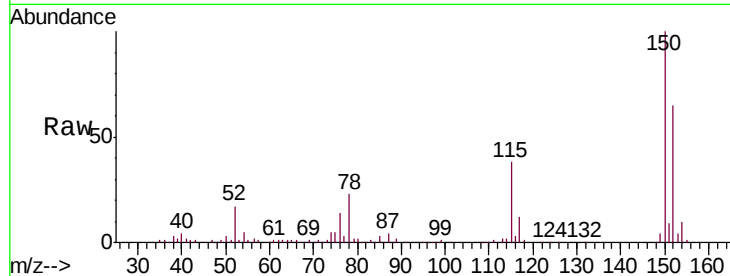


#1

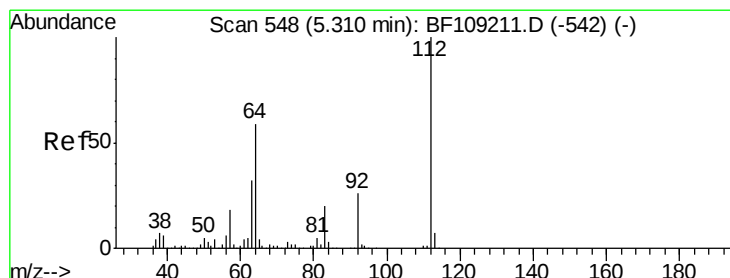
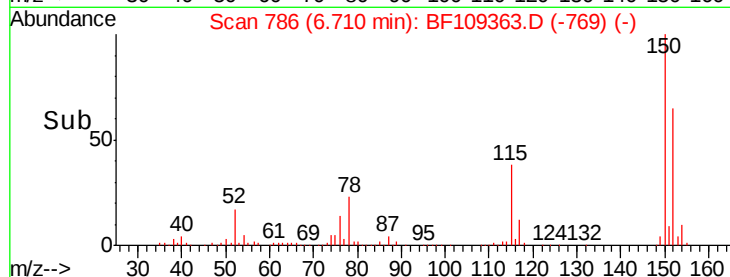
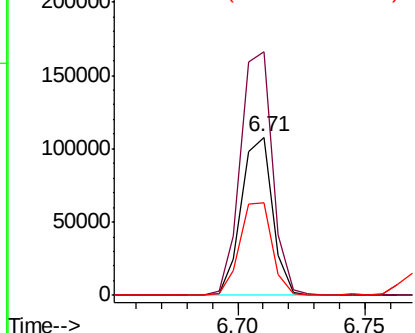
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109363.D
Acq: 27 Sep 2018 3:37

Instrument :
BNA_F
ClientSampleId :
RFK-RMAB-MW12-GW

Tgt Ion:152 Resp: 92685
Ion Ratio Lower Upper
152 100
150 153.7 124.6 186.8
115 58.1 50.1 75.1



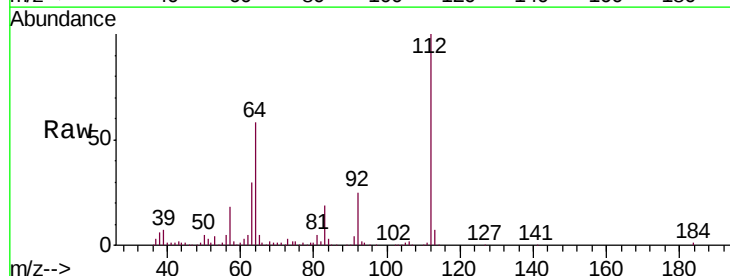
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



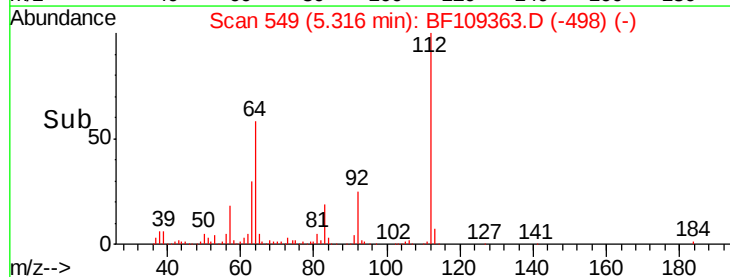
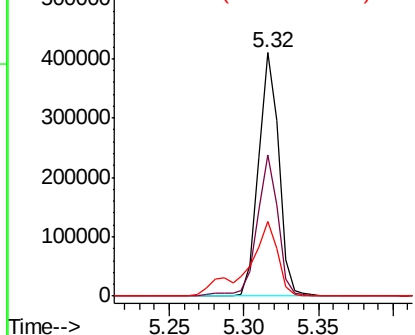
#5

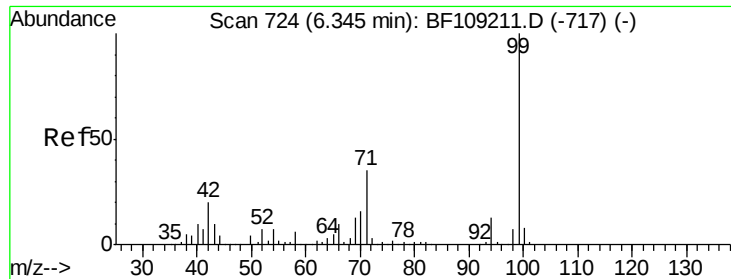
2-Fluorophenol
Concen: 67.705 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109363.D
Acq: 27 Sep 2018 3:37

Tgt Ion:112 Resp: 380993
Ion Ratio Lower Upper
112 100
64 58.0 47.9 71.9
63 30.4 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: 45.608 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109363.D

Acq: 27 Sep 2018 3:37

Instrument :

BNA_F

ClientSampleId :

RFK-RMAB-MW12-GW

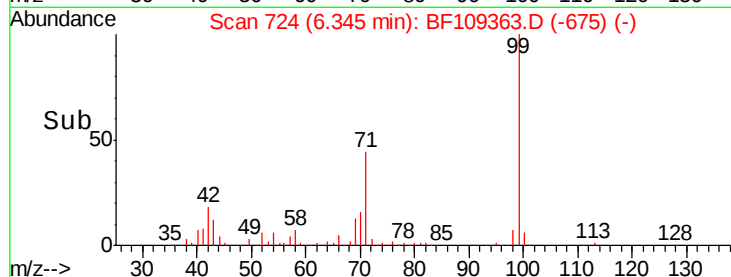
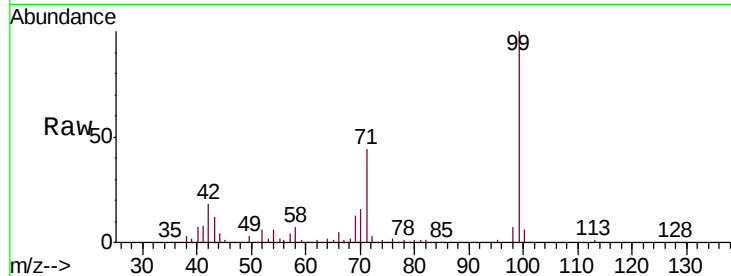
Tgt Ion: 99 Resp: 327493

Ion Ratio Lower Upper

99 100

42 17.9 14.5 21.7

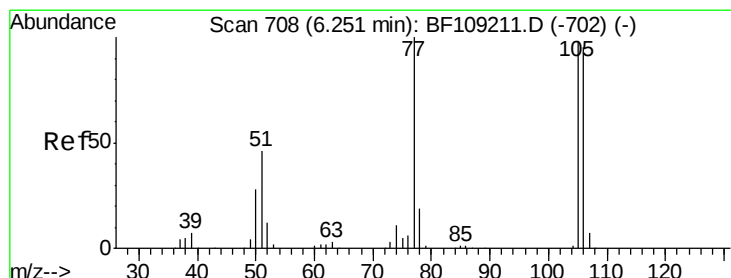
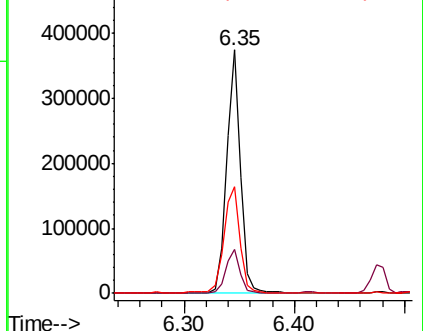
71 43.9 25.4 38.0#



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



#9

Benzaldehyde

Concen: 2.527 ng

RT: 6.26 min Scan# 710

Delta R.T. 0.01 min

Lab File: BF109363.D

Acq: 27 Sep 2018 3:37

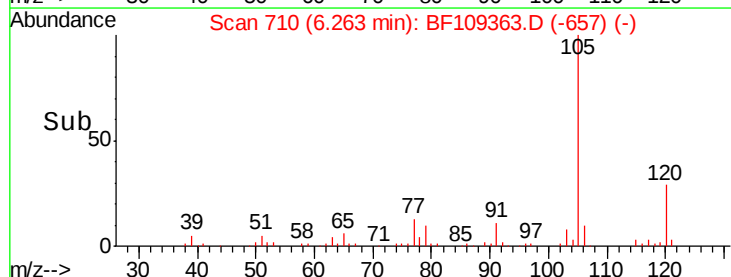
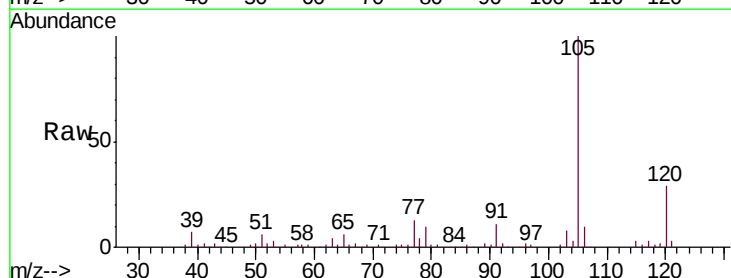
Tgt Ion: 77 Resp: 11656

Ion Ratio Lower Upper

77 100

105 798.9 81.1 121.1#

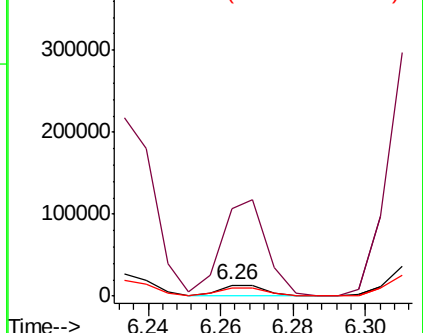
106 76.8 74.5 114.5

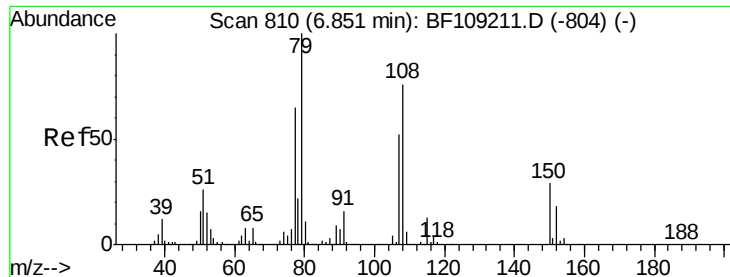


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.458 ng

RT: 6.86 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF109363.D

Acq: 27 Sep 2018 3:37

Instrument :

BNA_F

ClientSampleId :

RFK-RMAB-MW12-GW

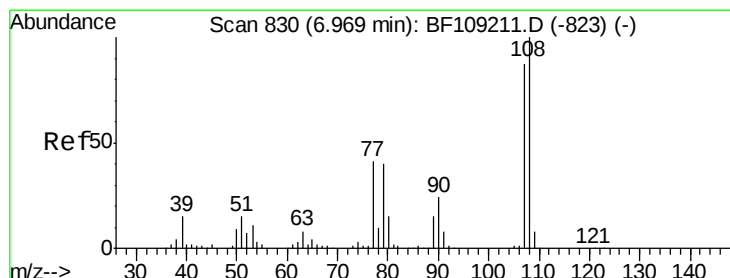
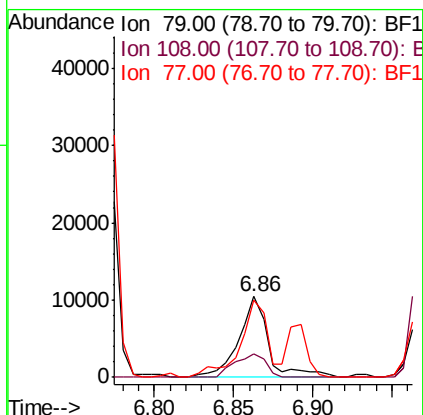
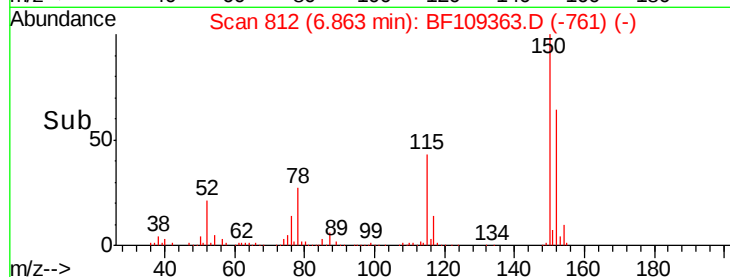
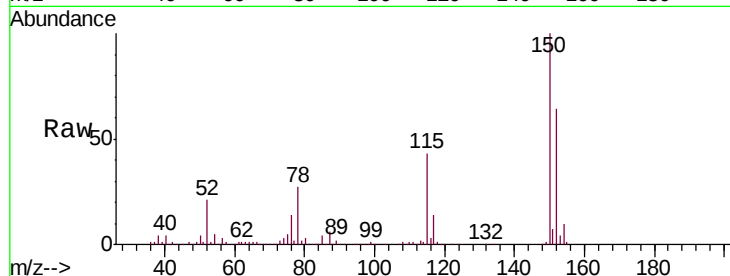
Tgt Ion: 79 Resp: 13512

Ion Ratio Lower Upper

79 100

108 29.2 65.1 97.7#

77 94.8 50.6 75.8#



#17

2-Methylphenol

Concen: 2.844 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF109363.D

Acq: 27 Sep 2018 3:37

Tgt Ion: 107 Resp: 14401

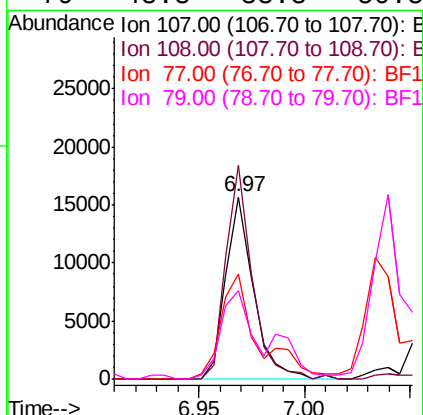
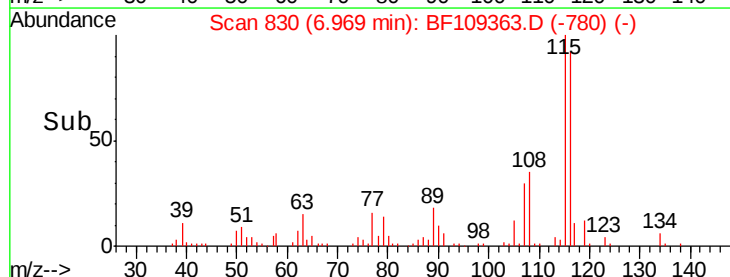
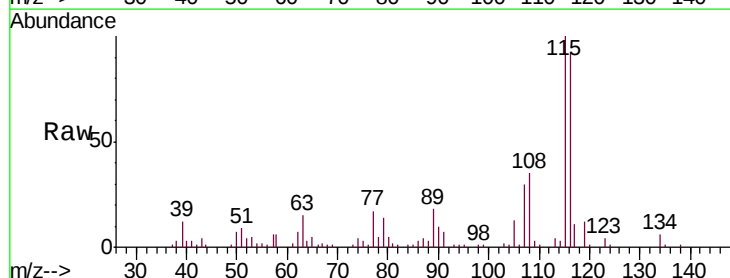
Ion Ratio Lower Upper

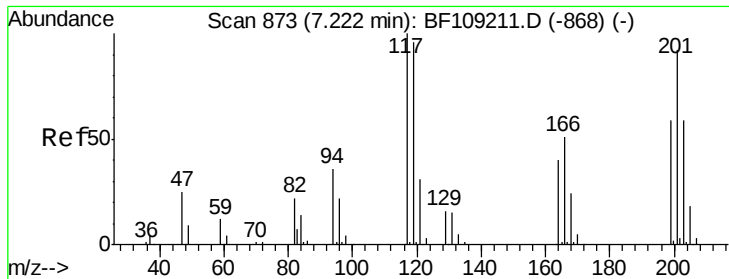
107 100

108 117.3 91.7 137.5

77 57.8 33.8 50.8#

79 48.8 33.8 50.8

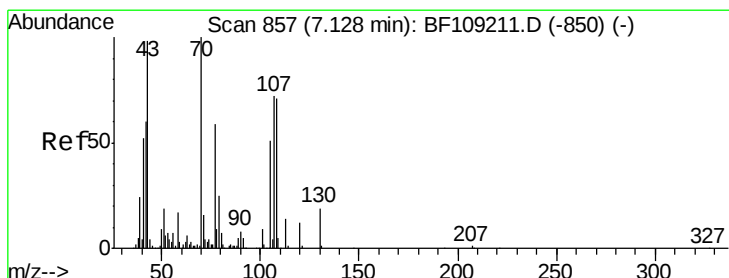
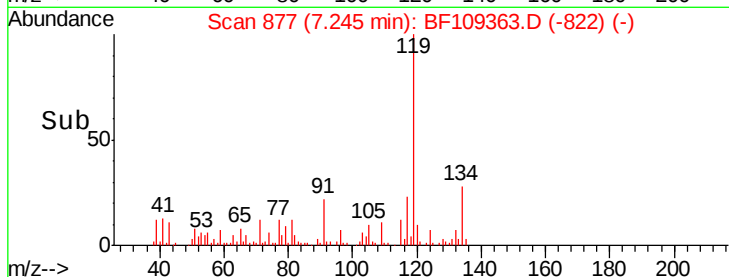
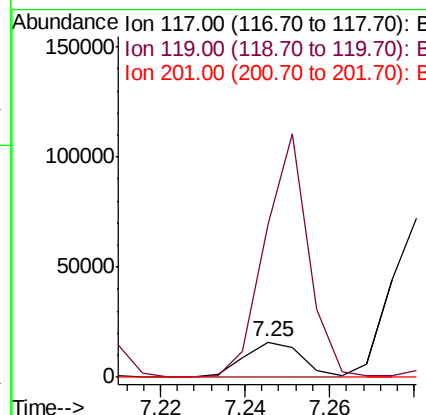
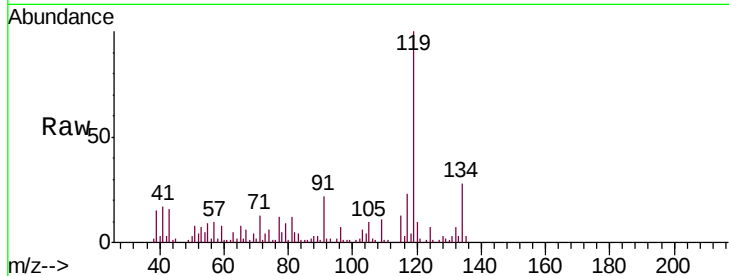




#18
Hexachloroethane
Concen: 6.032 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.02 min
Lab File: BF109363.D
Acq: 27 Sep 2018 3:37

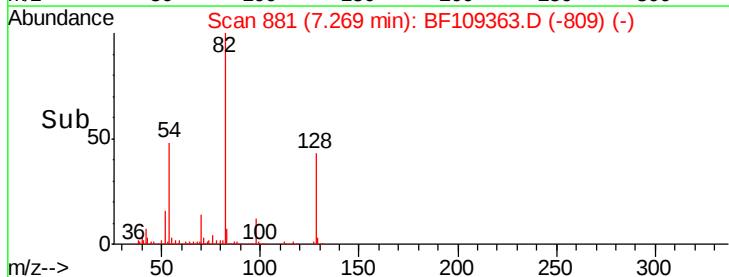
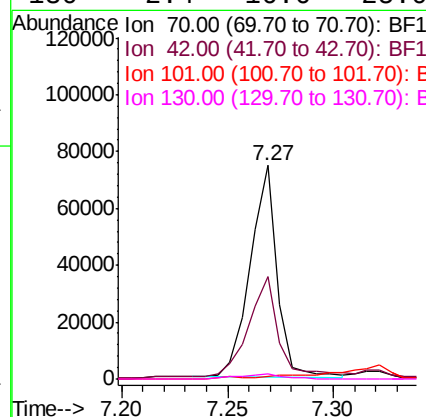
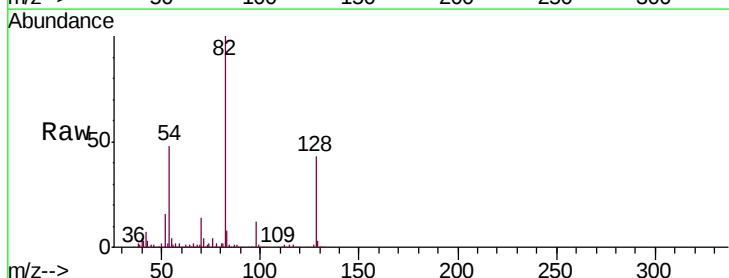
Instrument :
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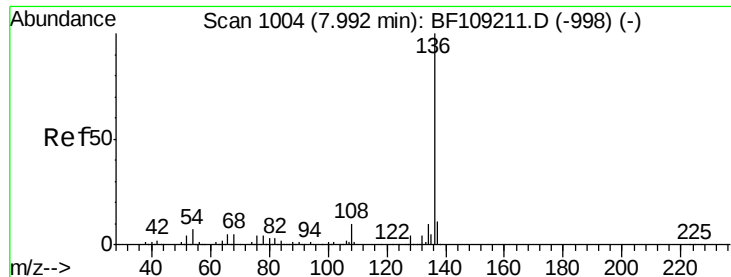
Tgt Ion: 117 Resp: 15426
Ion Ratio Lower Upper
117 100
119 432.3 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 14.062 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109363.D
Acq: 27 Sep 2018 3:37

Tgt Ion: 70 Resp: 66162
Ion Ratio Lower Upper
70 100
42 48.2 47.5 71.3
101 1.0 7.4 11.2#
130 2.4 16.6 25.0#

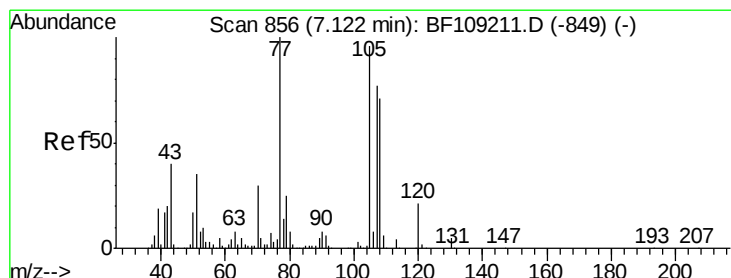
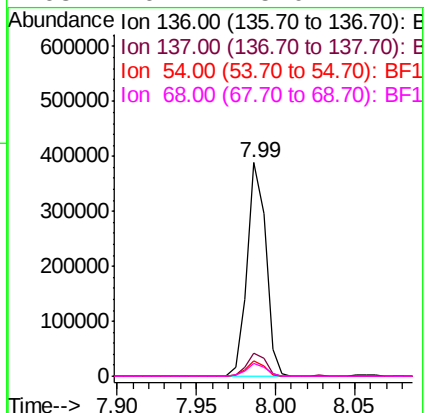
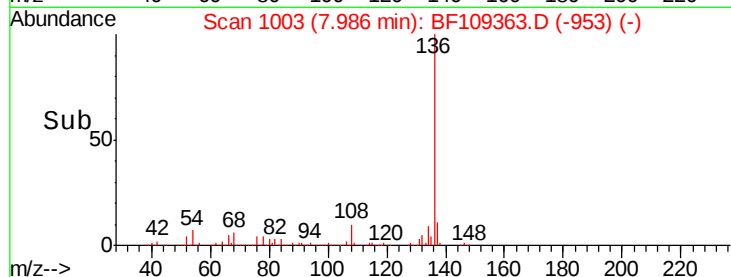
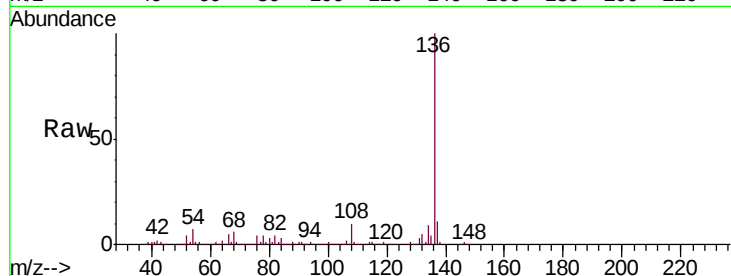




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109363.D
Acq: 27 Sep 2018 3:37

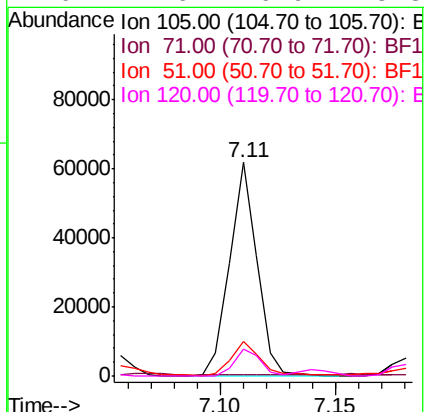
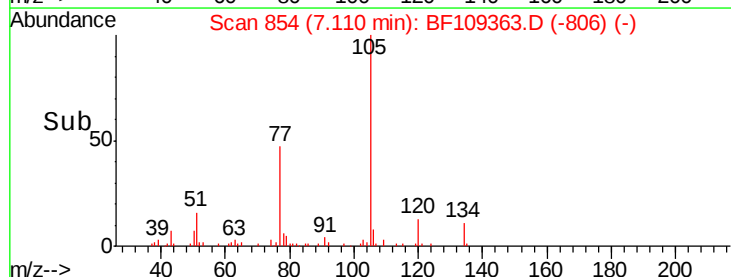
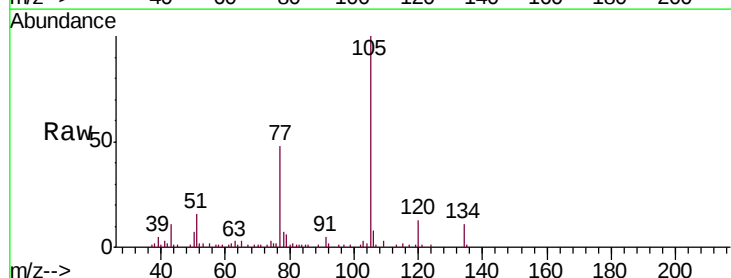
Instrument :
BNA_F
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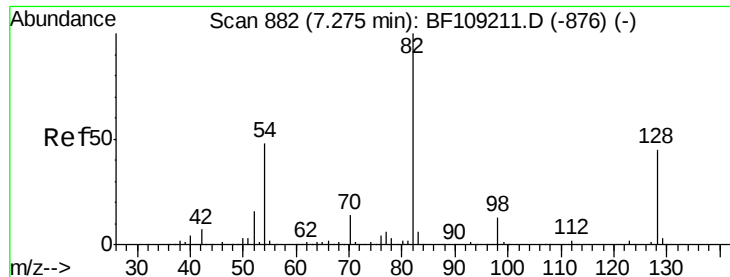
Tgt Ion:	136	Resp:	318272
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.3	6.6	9.8
68	6.1	5.0	7.4



#22
Acetophenone
Concen: 6.957 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.02 min
Lab File: BF109363.D
Acq: 27 Sep 2018 3:37

Tgt Ion:	105	Resp:	51193
Ion	Ratio	Lower	Upper
105	100		
71	0.7	4.4	6.6#
51	16.2	22.3	33.5#
120	12.6	16.9	25.3#

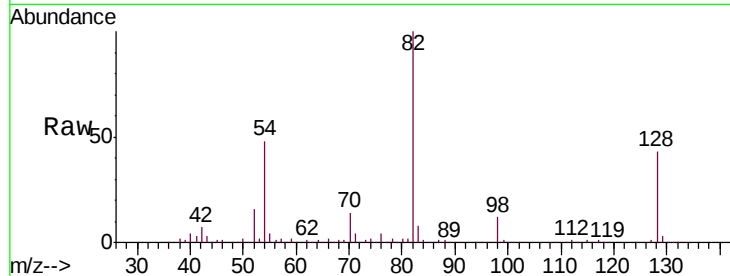




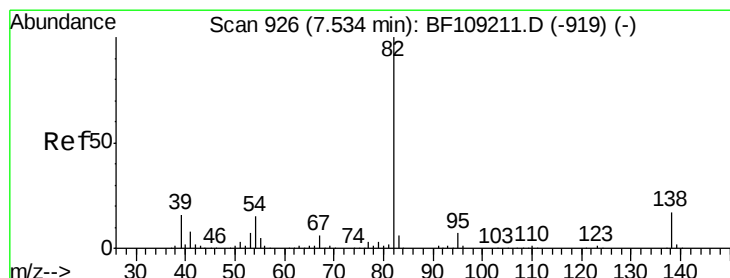
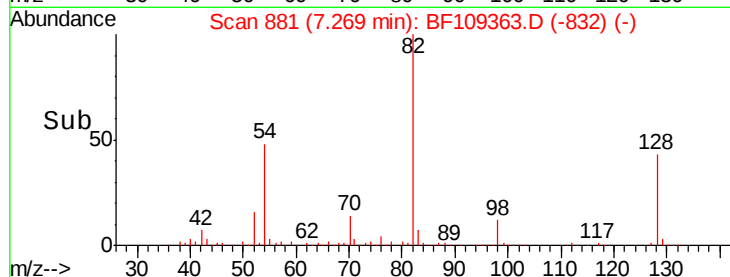
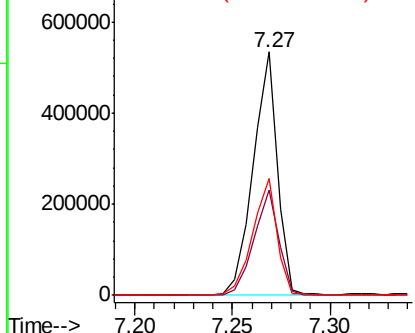
#23
Nitrobenzene-d5
Concen: 85.669 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF109363.D
Acq: 27 Sep 2018 3:37

Instrument :
BNA_F
ClientSampleId :
RFK-RMAB-MW12-GW

Tgt Ion: 82 Resp: 461891
Ion Ratio Lower Upper
82 100
128 43.4 36.1 54.1
54 47.8 41.4 62.2

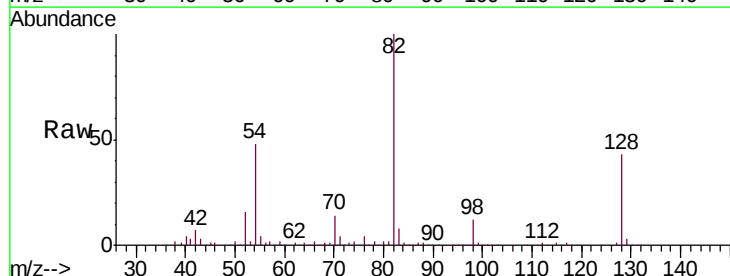


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

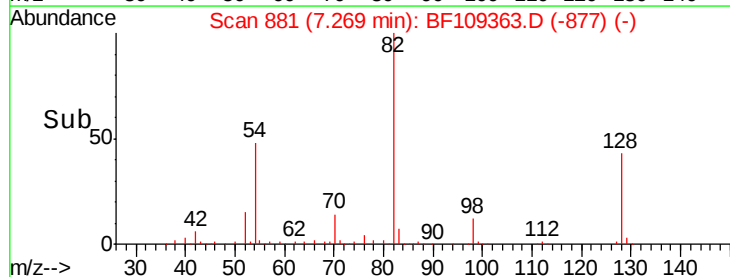
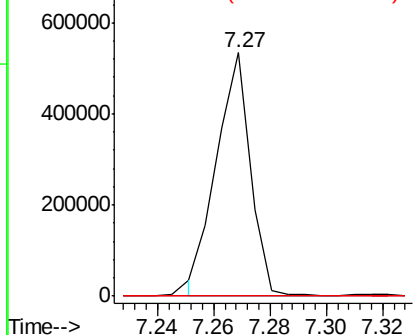


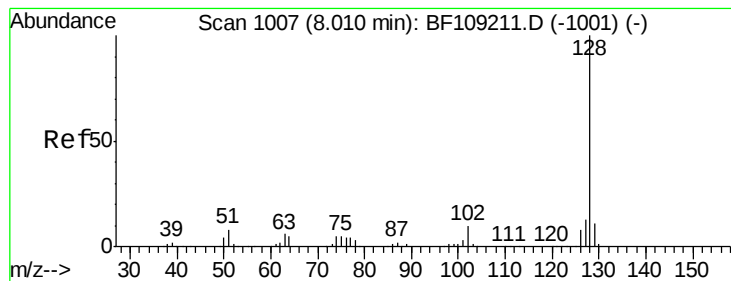
#25
Isophorone
Concen: 45.407 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF109363.D
Acq: 27 Sep 2018 3:37

Tgt Ion: 82 Resp: 440848
Ion Ratio Lower Upper
82 100
95 0.1 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: 9.539 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF109363.D

Acq: 27 Sep 2018 3:37

Instrument :

BNA_F

ClientSampleId :

RFK-RMAB-MW12-GW

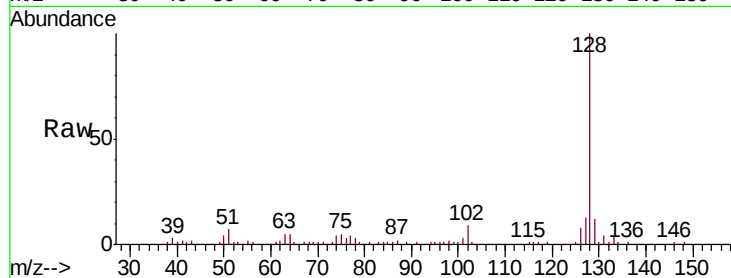
Tgt Ion:128 Resp: 141870

Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

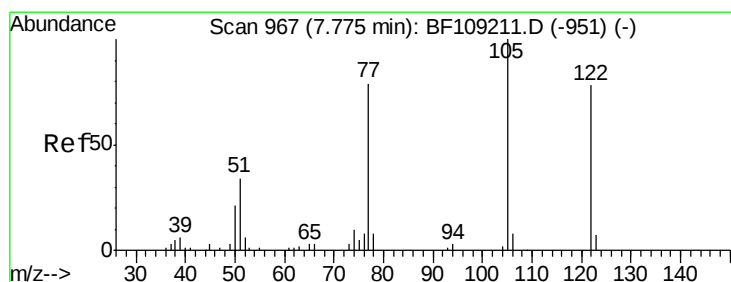
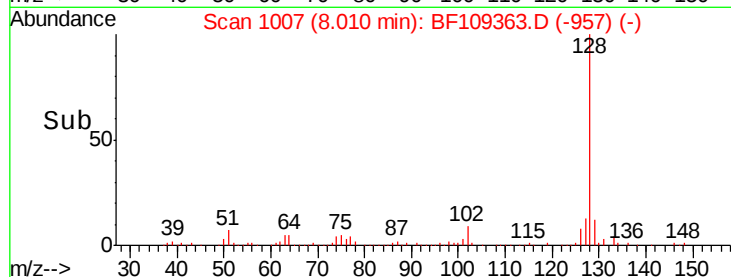
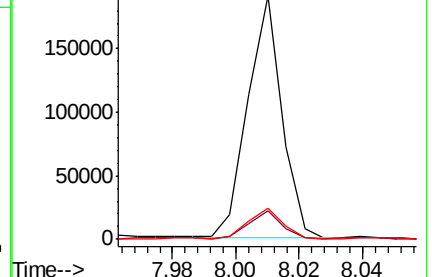
127 13.0 10.9 16.3



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: 7.846 ng

RT: 7.85 min Scan# 980

Delta R.T. 0.03 min

Lab File: BF109363.D

Acq: 27 Sep 2018 3:37

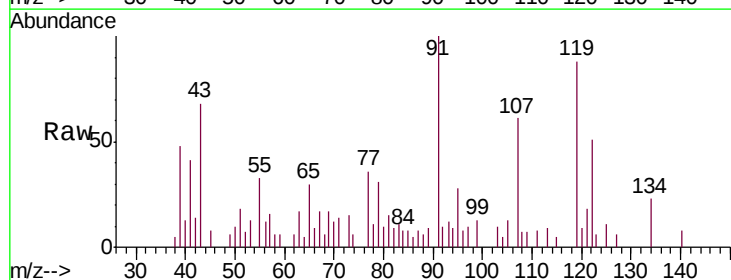
Tgt Ion:122 Resp: 3514

Ion Ratio Lower Upper

122 100

105 24.7 101.1 141.1#

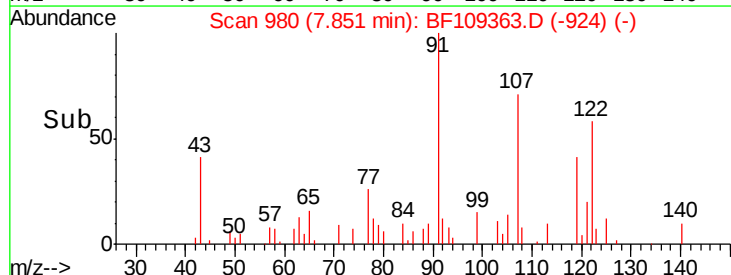
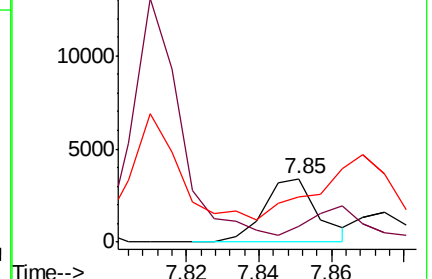
77 71.8 70.7 110.7

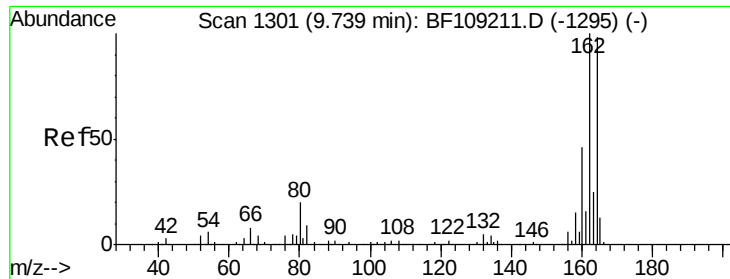


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

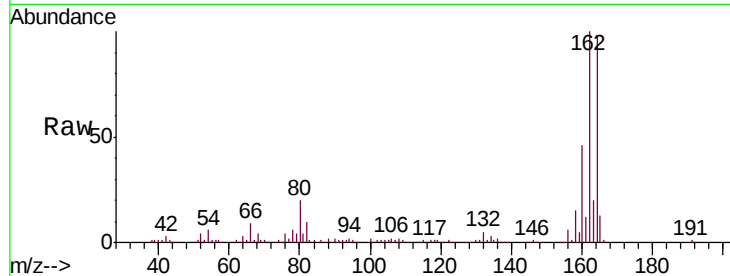




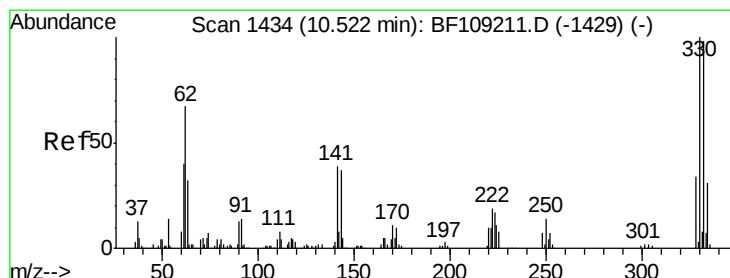
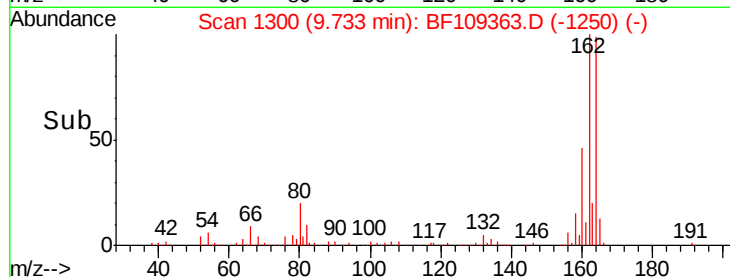
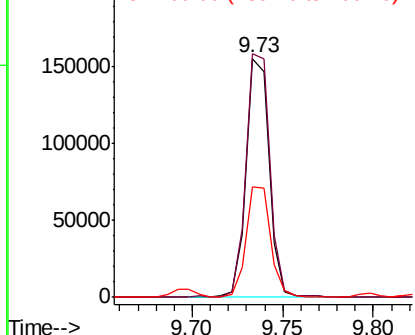
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF109363.D
 Acq: 27 Sep 2018 3:37

Instrument :
 BNA_F
 ClientSampleId :
 RFK-RMAB-MW12-GW

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	86.1	129.1
160	46.6	38.3	57.5

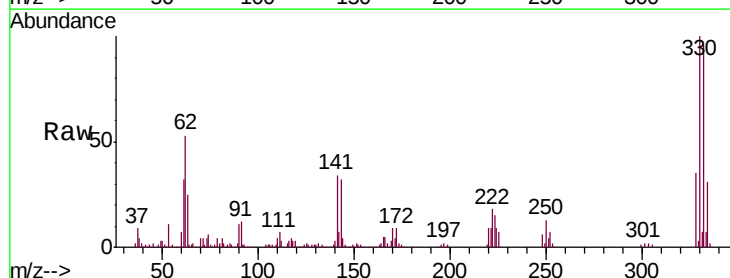


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

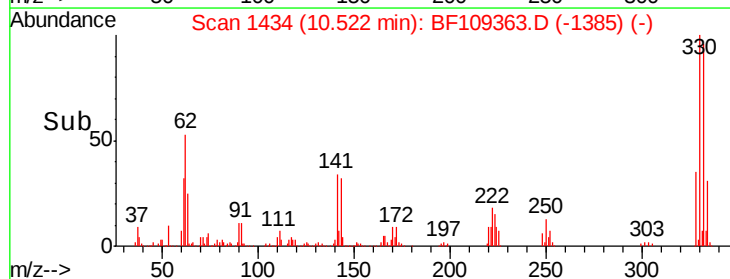
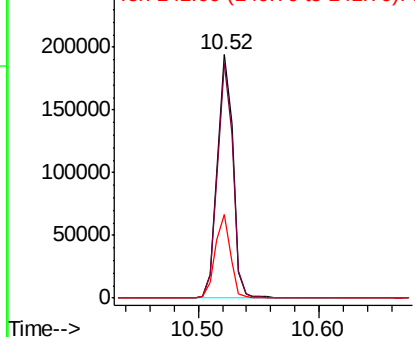


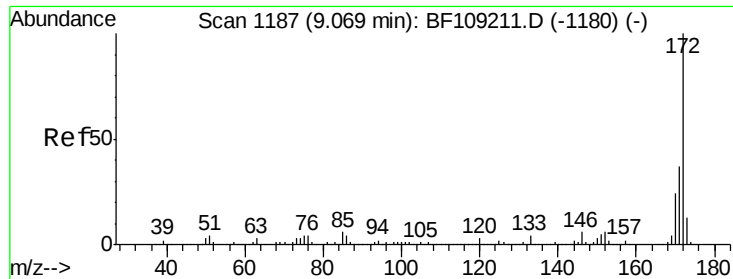
#41
 2,4,6-Tribromophenol
 Concen: 125.556 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109363.D
 Acq: 27 Sep 2018 3:37

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	33.6	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

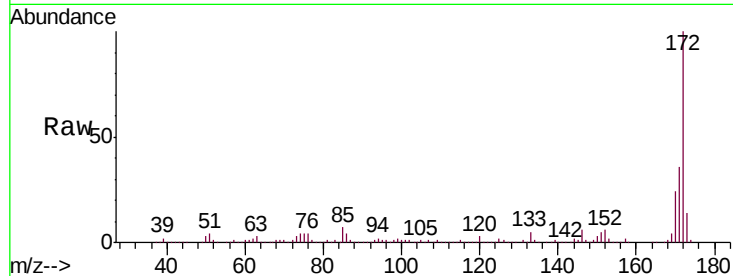




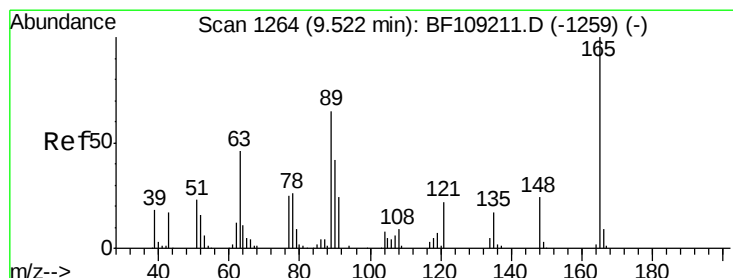
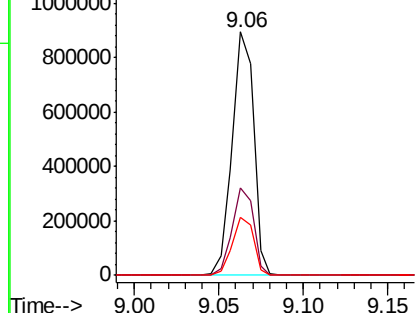
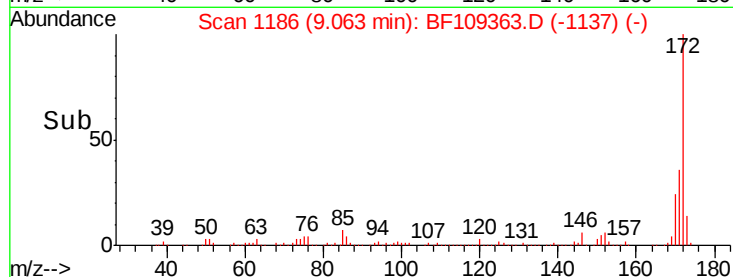
#44
 2-Fluorobiphenyl
 Concen: 86.390 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109363.D
 Acq: 27 Sep 2018 3:37

Instrument :
 BNA_F
 ClientSampleId :
 RFK-RMAB-MW12-GW

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.8	19.6	29.4

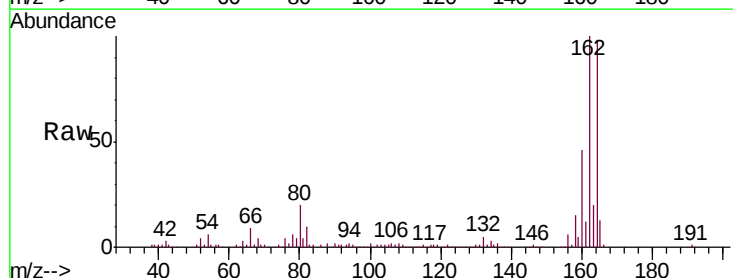


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

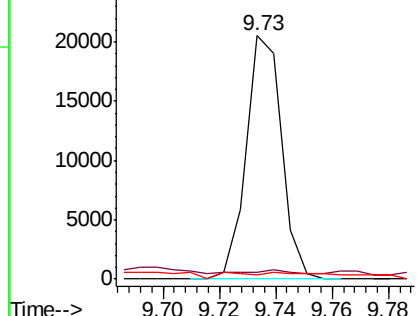
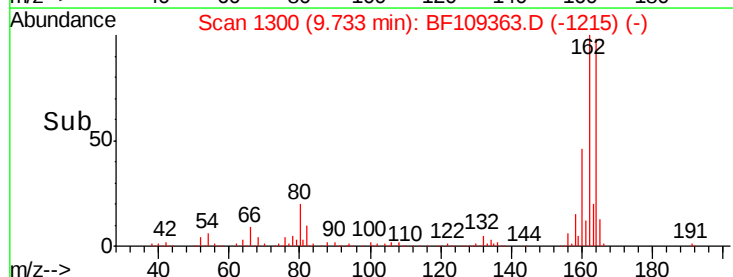


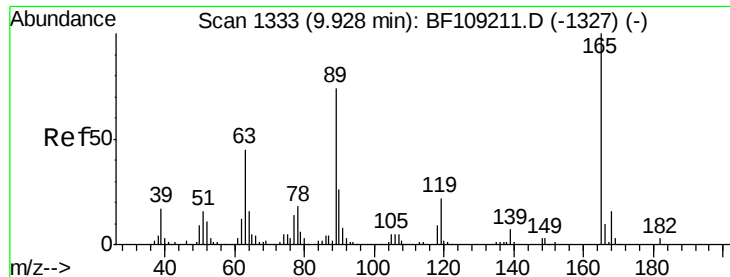
#50
 2,6-Dinitrotoluene
 Concen: 8.975 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.20 min
 Lab File: BF109363.D
 Acq: 27 Sep 2018 3:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	44.7	67.1#
89	2.0	44.0	66.0#



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





#56

2,4-Dinitrotoluene

Concen: 7.093 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.21 min

Lab File: BF109363.D

Acq: 27 Sep 2018 3:37

Instrument :

BNA_F

ClientSampleId :

RFK-RMAB-MW12-GW

Tgt Ion:165 Resp: 17850

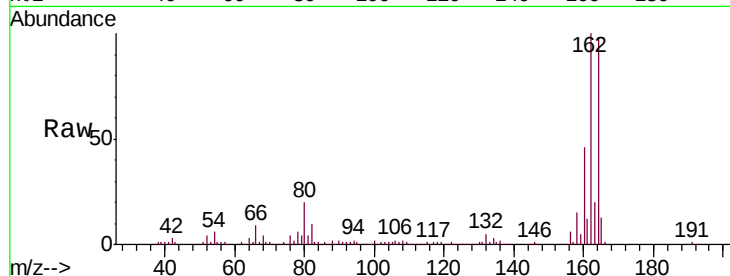
Ion Ratio Lower Upper

165 100

63 2.6 36.4 54.6#

89 2.0 57.8 86.6#

182 0.0 1.6 2.4#

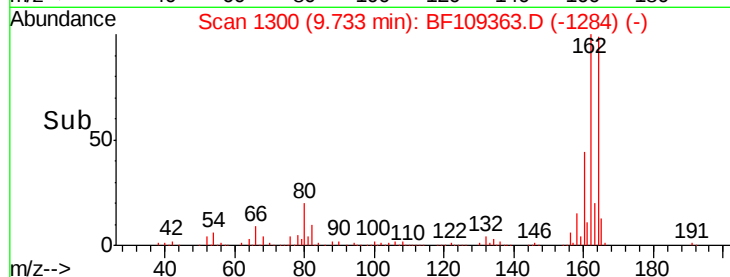


Abundance Ion 165.00 (164.70 to 165.70): E

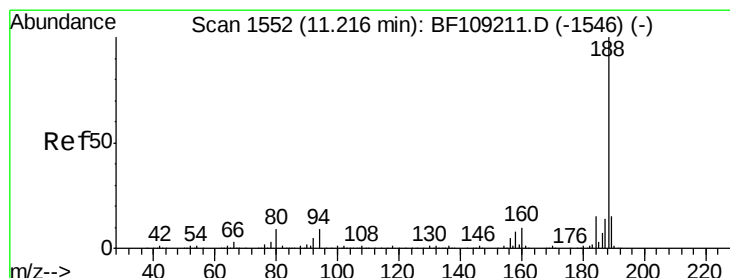
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1552

Delta R.T. 0.00 min

Lab File: BF109363.D

Acq: 27 Sep 2018 3:37

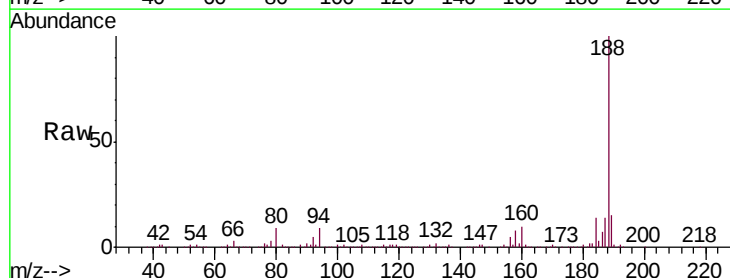
Tgt Ion:188 Resp: 247716

Ion Ratio Lower Upper

188 100

94 8.7 8.5 12.7

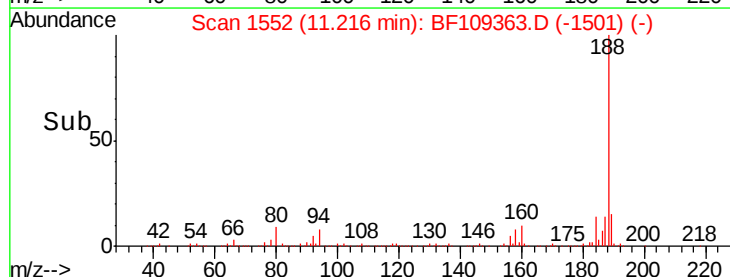
80 8.9 9.2 13.8#



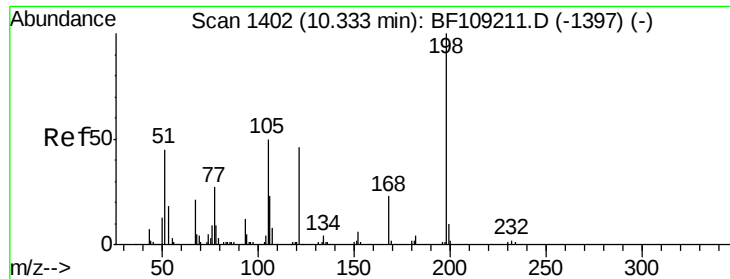
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



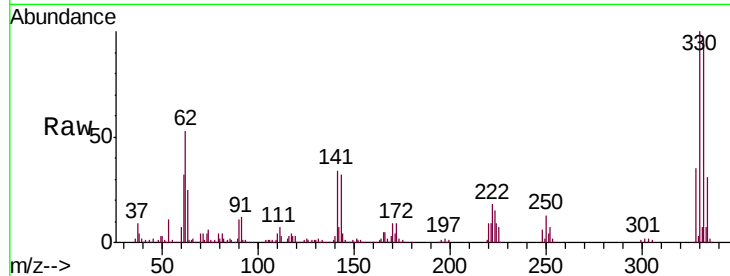
Time-->



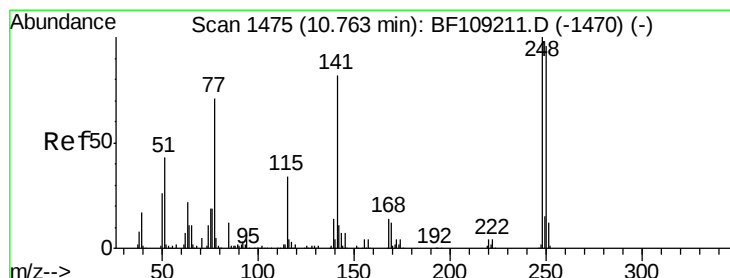
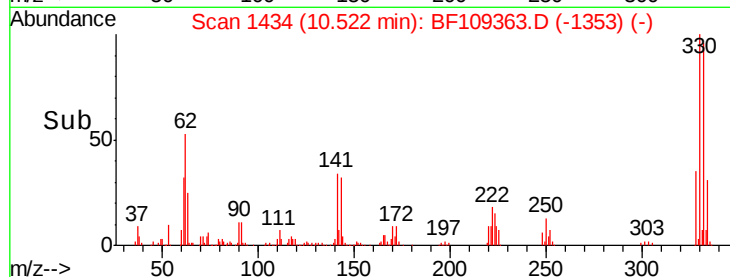
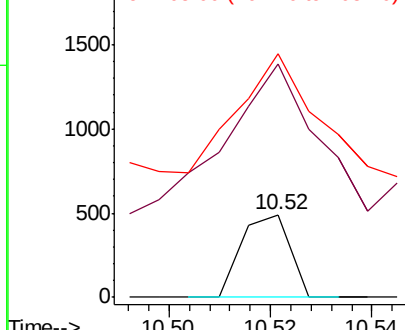
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.803 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109363.D
 Acq: 27 Sep 2018 3:37

Instrument :
 BNA_F
 ClientSampleId :
 RFK-RMAB-MW12-GW

Tgt Ion:198 Resp: 325
 Ion Ratio Lower Upper
 198 100
 51 281.9 37.7 77.7#
 105 294.5 36.3 76.3#

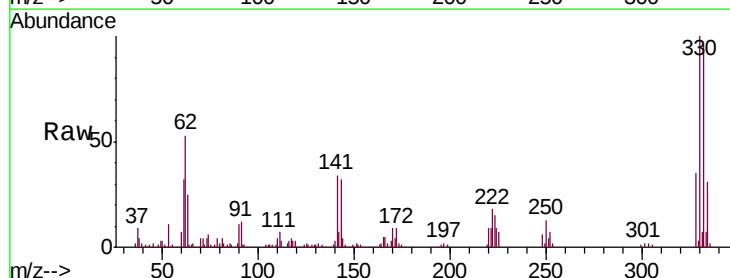


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

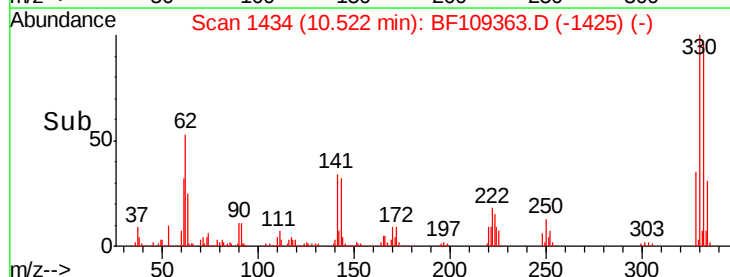
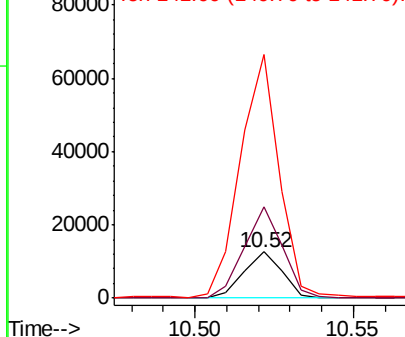


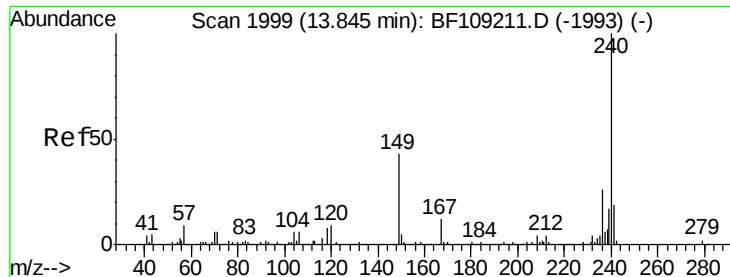
#66
 4-Bromophenyl-phenylether
 Concen: 3.827 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109363.D
 Acq: 27 Sep 2018 3:37

Tgt Ion:248 Resp: 10527
 Ion Ratio Lower Upper
 248 100
 250 199.1 76.9 115.3#
 141 528.9 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: BF109363.D

Acq: 27 Sep 2018 3:37

Instrument :

BNA_F

ClientSampleId :

RFK-RMAB-MW12-GW

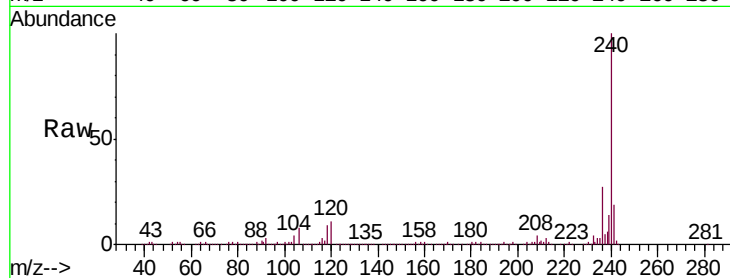
Tgt Ion:240 Resp: 268473

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

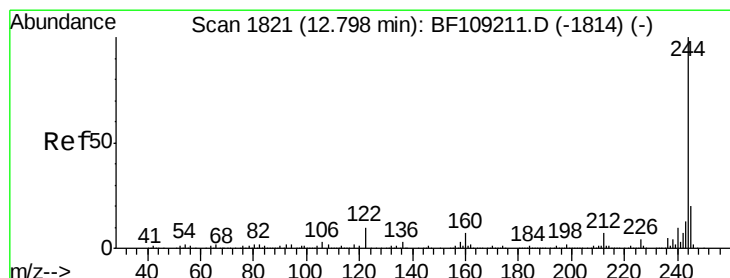
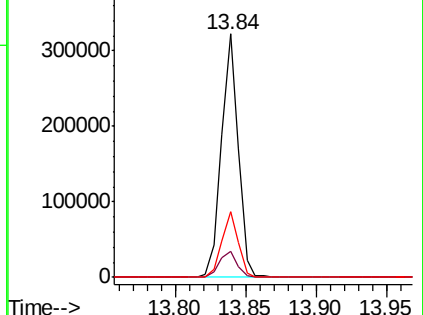
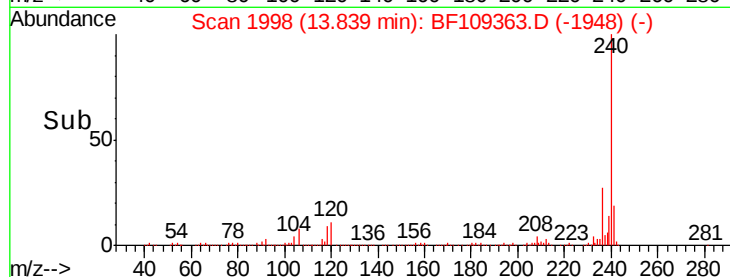
236 26.8 20.7 31.1



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: 72.819 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109363.D

Acq: 27 Sep 2018 3:37

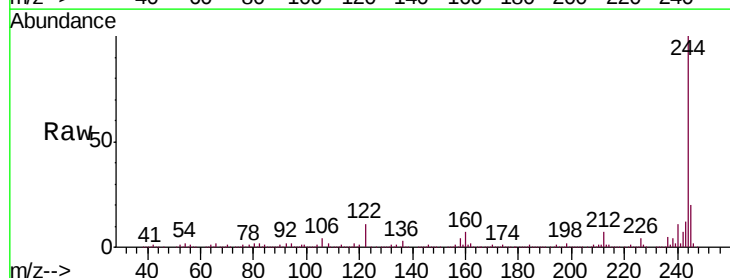
Tgt Ion:244 Resp: 796604

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

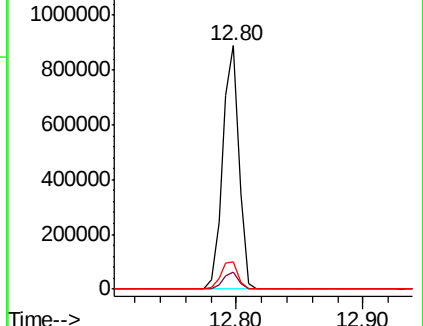
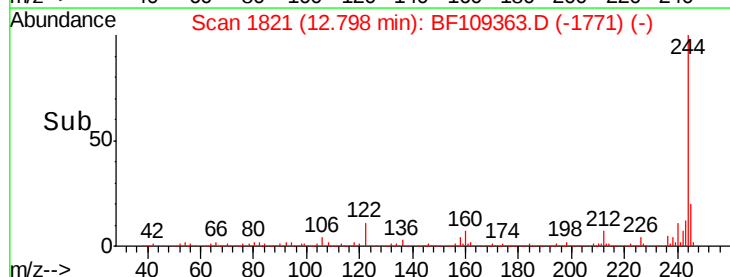
122 11.0 11.0 16.4

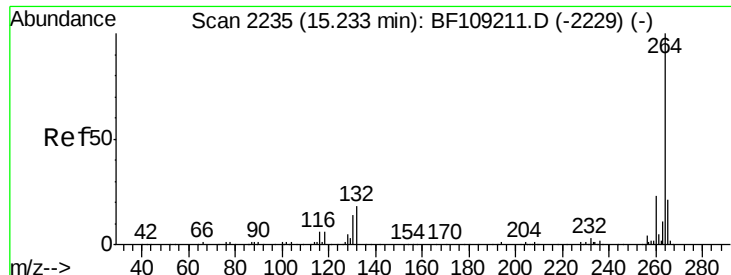


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF109363.D
Acq: 27 Sep 2018 3:37

Instrument :
BNA_F
ClientSampleId :
RFK-RMAB-MW12-GW

Tgt Ion: 264 Resp: 238150
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 22.1 17.5 26.3

