

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032515\
 Data File : BF077967.D
 Acq On : 25 Mar 2015 22:45
 Operator : TP/IZ
 Sample : G1643-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-6-3-23-15

Quant Time: Mar 26 00:09:23 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 26 00:45:24 2015
 Response via : Initial Calibration

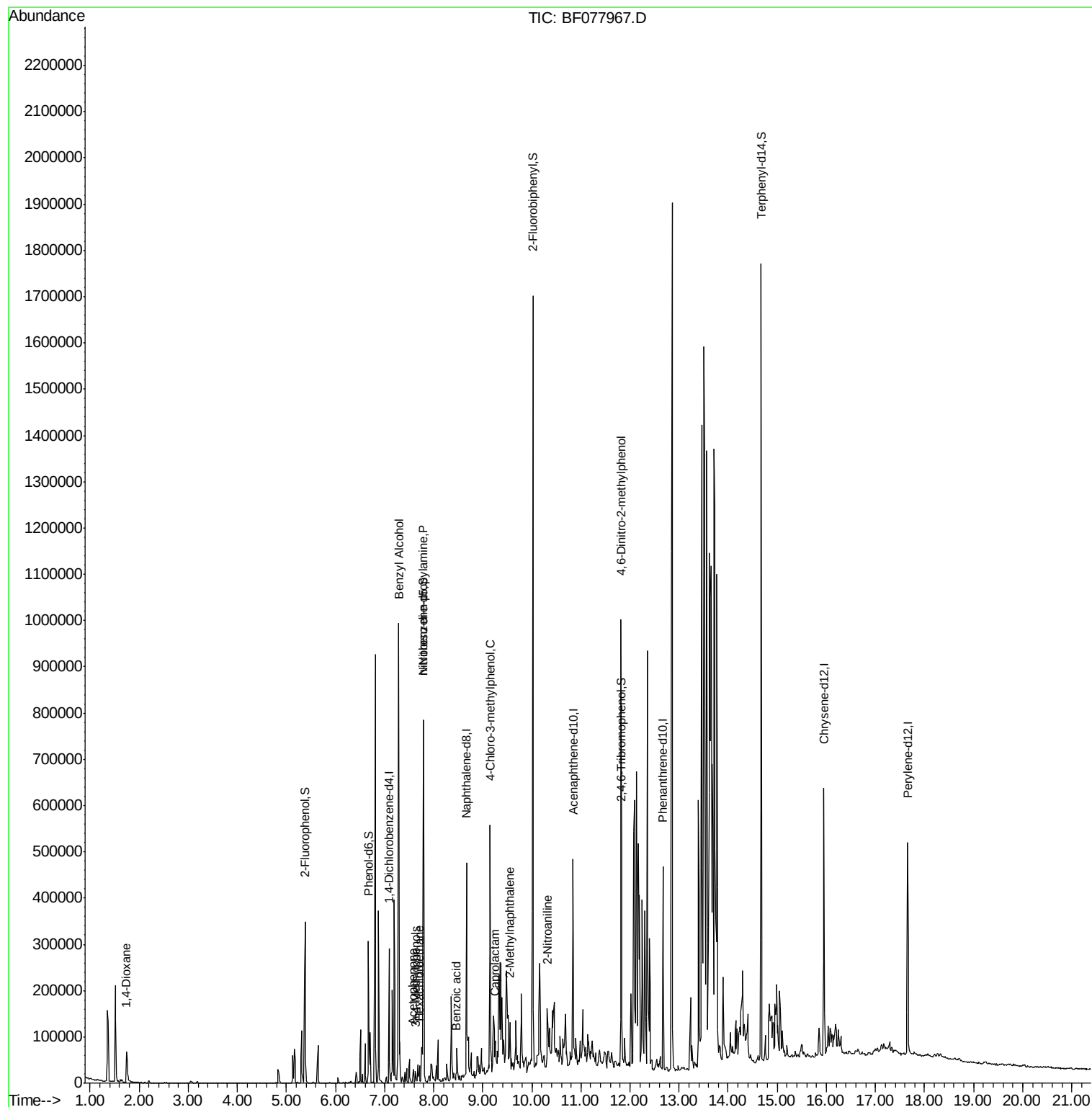
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	44817	20.00	ng	0.00
21) Naphthalene-d8	8.67	136	185749	20.00	ng	0.00
38) Acenaphthene-d10	10.84	164	98380	20.00	ng	0.00
63) Phenanthrene-d10	12.67	188	190770	20.00	ng	-0.01
75) Chrysene-d12	15.95	240	215211	20.00	ng	-0.02
86) Perylene-d12	17.65	264	205389	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	141665	55.18	ng	0.00
7) Phenol-d6	6.67	99	114472	36.09	ng	0.00
23) Nitrobenzene-d5	7.79	82	231711	81.77	ng	0.00
41) 2,4,6-Tribromophenol	11.83	330	109915	116.77	ng	0.00
44) 2-Fluorobiphenyl	10.02	172	513783	76.75	ng	0.00
78) Terphenyl-d14	14.67	244	608267	69.04	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.74	88	2572	2.21	ng	# 100
15) Benzyl Alcohol	7.29	79	10130	4.09	ng	# 1
18) Hexachloroethane	7.71	117	2534	2.19	ng	# 1
19) n-Nitroso-di-n-propylamine	7.79	70	31261	14.25	ng	# 79
20) 3+4-Methylphenols	7.63	107	7263	2.22	ng	# 88
22) Acetophenone	7.58	105	13174	3.20	ng	# 56
32) Benzoic acid	8.45	122	338	3.30	ng	# 94
35) Caprolactam	9.25	113	1743	2.30	ng	# 1
36) 4-Chloro-3-methylphenol	9.15	107	296324	113.47	ng	# 14
37) 2-Methylnaphthalene	9.55	142	30509	4.76	ng	# 95
47) 2-Nitroaniline	10.32	65	3913	2.47	ng	# 23
64) 4,6-Dinitro-2-methylphenol	11.81	198	234	4.53	ng	# 1
76) Benzidine	14.35	184	518	Below Cal		# 68

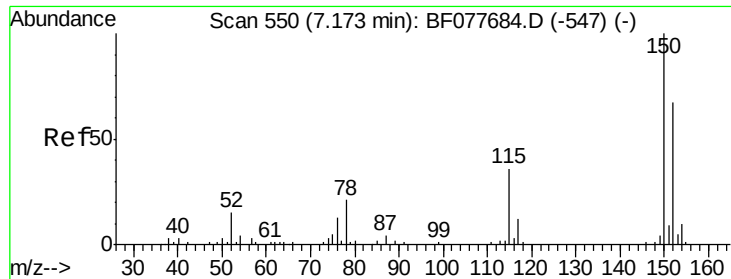
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 26 00:45:24 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.09 min Scan# 543

Delta R.T. 0.00 min

Lab File: BF077967.D

Acq: 25 Mar 2015 22:45

Instrument :

BNA_F

ClientSampleId :

MW-6-3-23-15

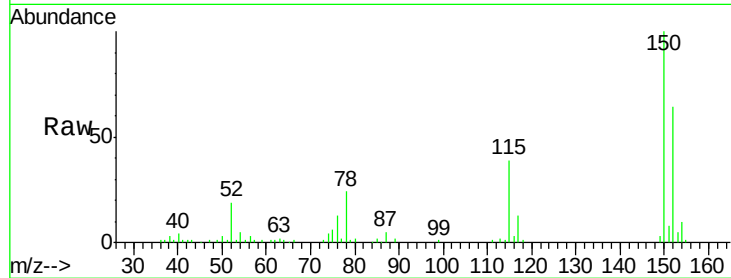
Tgt Ion:152 Resp: 44817

Ion Ratio Lower Upper

152 100

150 155.7 119.5 179.3

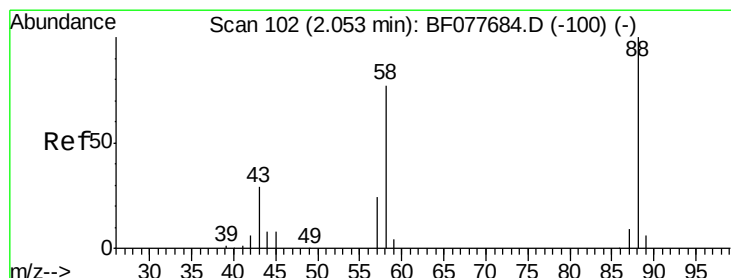
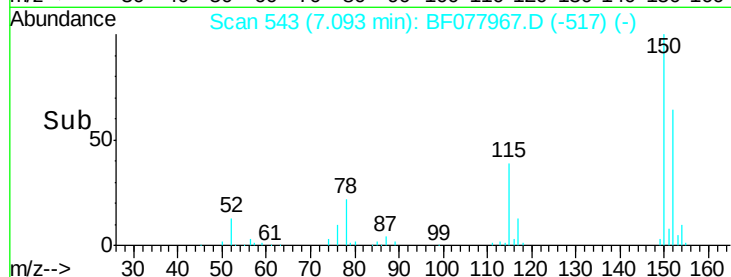
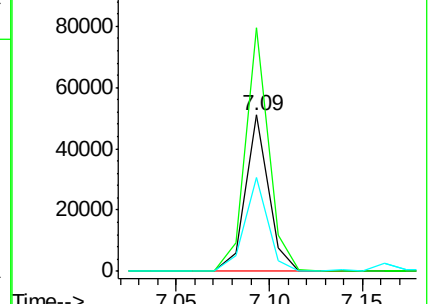
115 60.0 43.0 64.4



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



#2

1,4-Dioxane

Concen: 2.21 ng

RT: 1.74 min Scan# 75

Delta R.T. -0.19 min

Lab File: BF077967.D

Acq: 25 Mar 2015 22:45

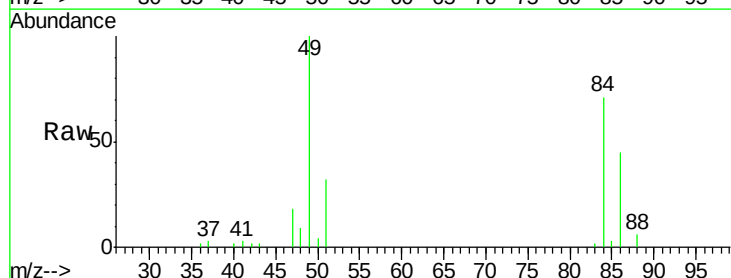
Tgt Ion: 88 Resp: 2572

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

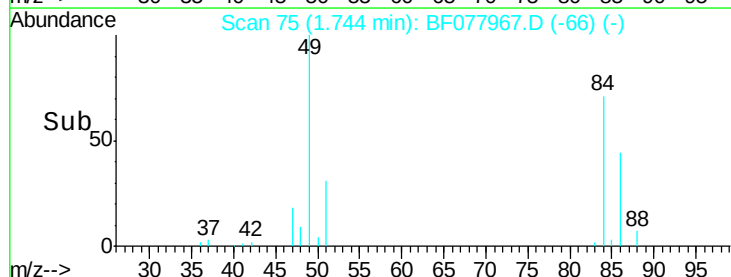
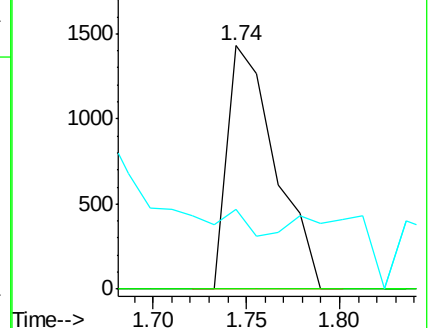
43 0.0 0.0 0.0

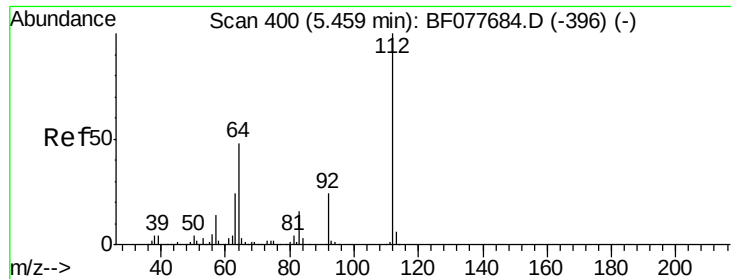


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 55.18 ng

RT: 5.38 min Scan# 393

Delta R.T. 0.00 min

Lab File: BF077967.D

Acq: 25 Mar 2015 22:45

Instrument :

BNA_F

ClientSampleId :

MW-6-3-23-15

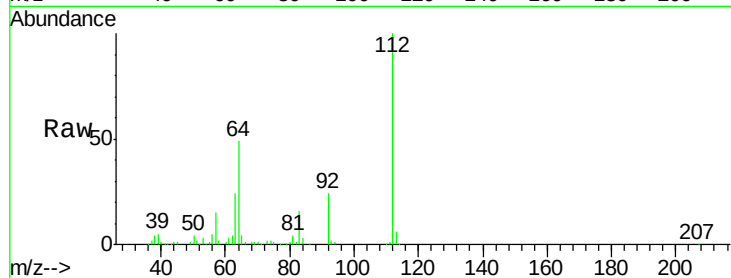
Tgt Ion: 112 Resp: 141665

Ion Ratio Lower Upper

112 100

64 49.5 38.6 57.8

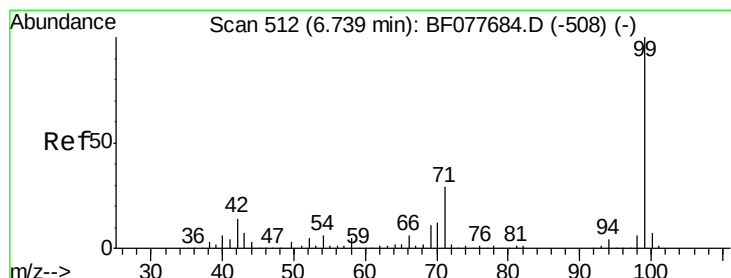
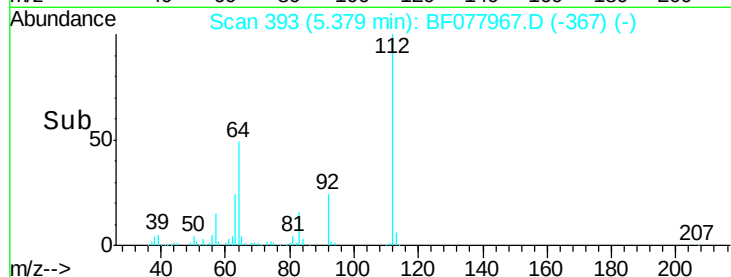
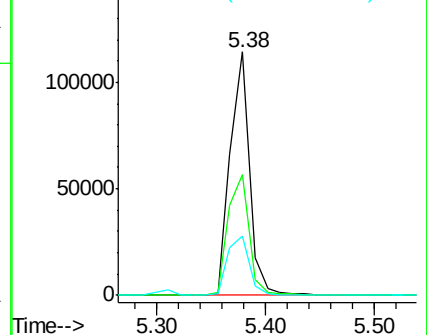
63 24.3 19.3 28.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 36.09 ng

RT: 6.67 min Scan# 506

Delta R.T. 0.00 min

Lab File: BF077967.D

Acq: 25 Mar 2015 22:45

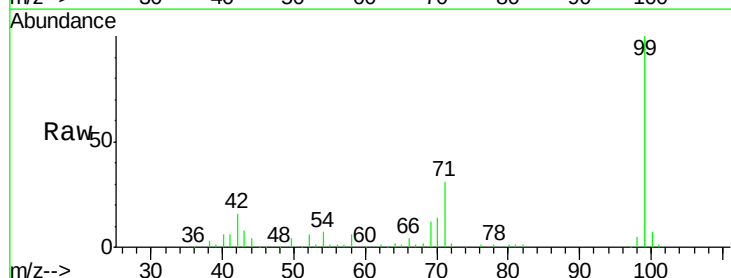
Tgt Ion: 99 Resp: 114472

Ion Ratio Lower Upper

99 100

42 16.0 11.0 16.4

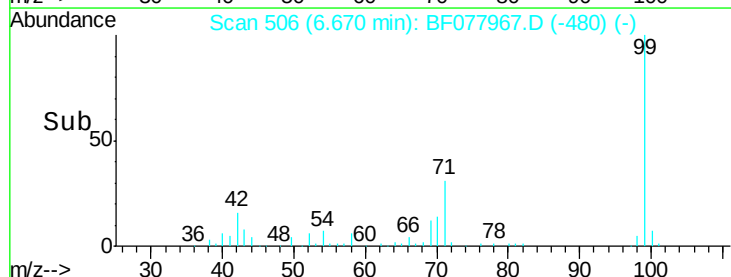
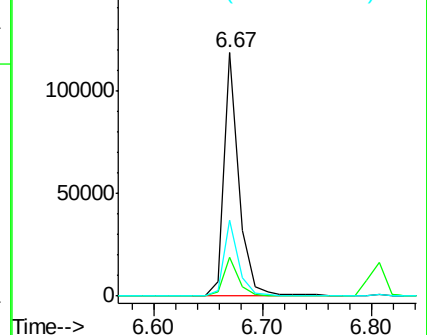
71 30.9 23.4 35.2

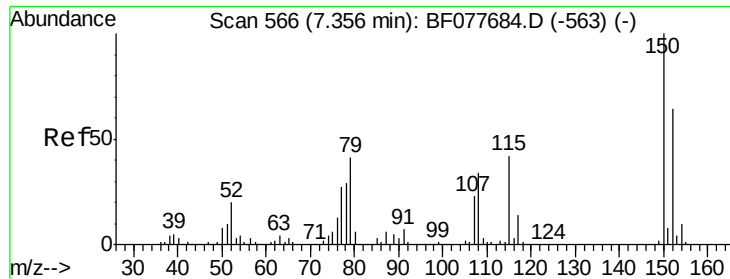


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

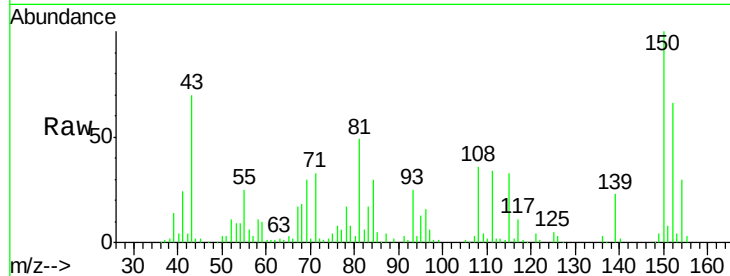




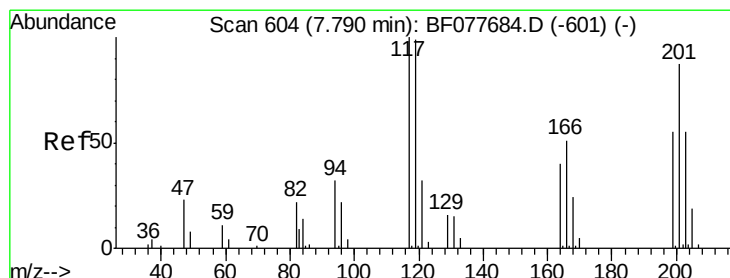
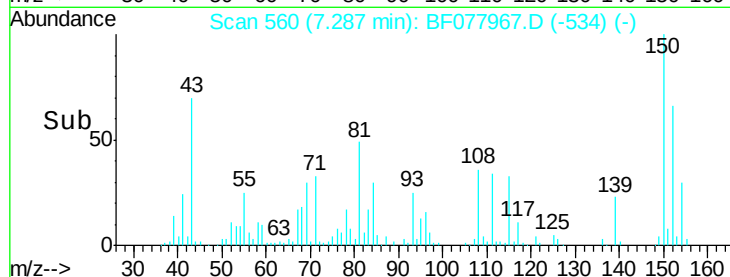
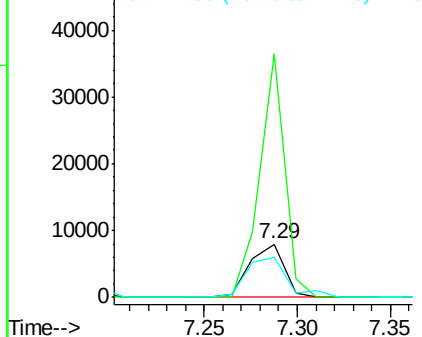
#15
Benzyl Alcohol
Concen: 4.09 ng
RT: 7.29 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF077967.D
Acq: 25 Mar 2015 22:45

Instrument :
BNA_F
ClientSampleId :
MW-6-3-23-15

Tgt Ion: 79 Resp: 10130
Ion Ratio Lower Upper
79 100
108 460.4 65.0 97.4#
77 75.4 53.0 79.6

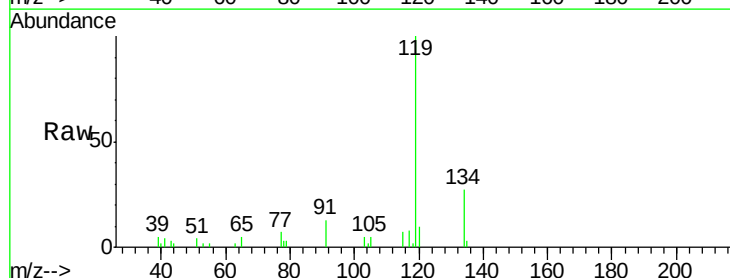


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0

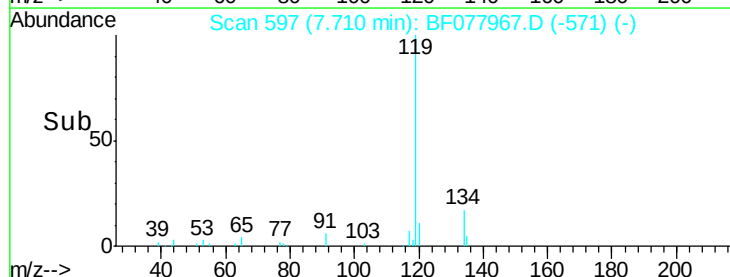
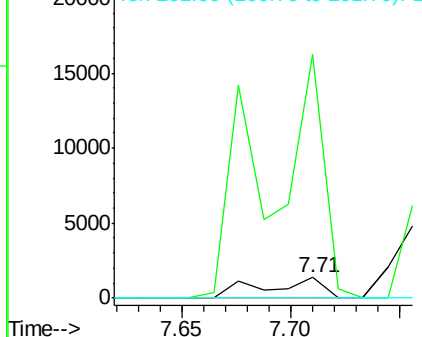


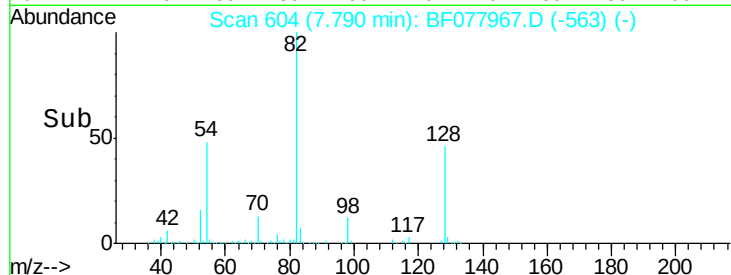
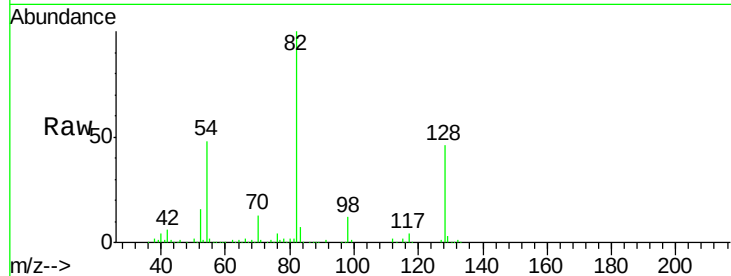
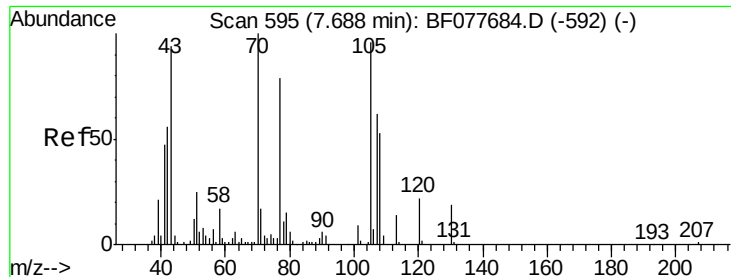
#18
Hexachloroethane
Concen: 2.19 ng
RT: 7.71 min Scan# 597
Delta R.T. 0.00 min
Lab File: BF077967.D
Acq: 25 Mar 2015 22:45

Tgt Ion: 117 Resp: 2534
Ion Ratio Lower Upper
117 100
119 1201.9 79.2 118.8#
201 0.0 69.8 104.6#



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

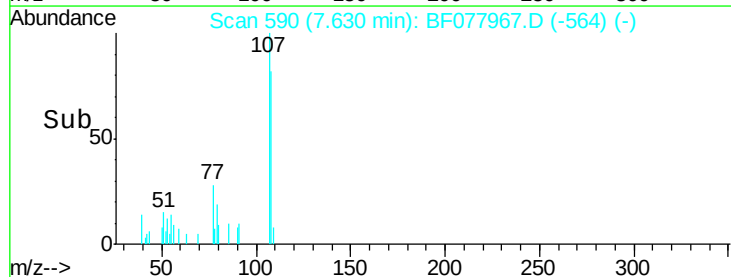
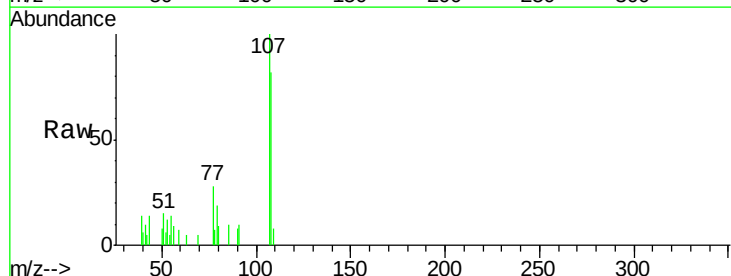
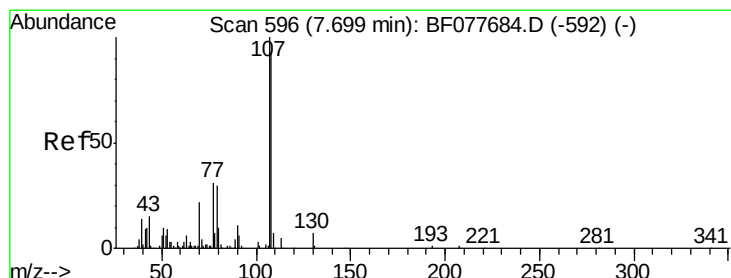
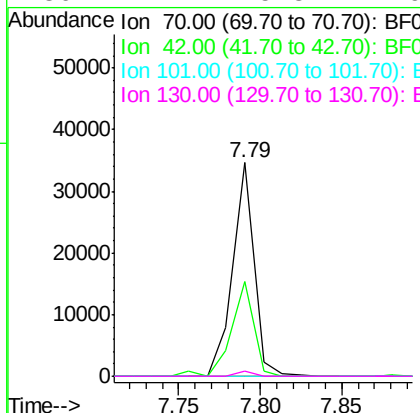




#19
n-Nitroso-di-n-propylamine
Concen: 14.25 ng
RT: 7.79 min Scan# 604
Delta R.T. 0.17 min
Lab File: BF077967.D
Acq: 25 Mar 2015 22:45

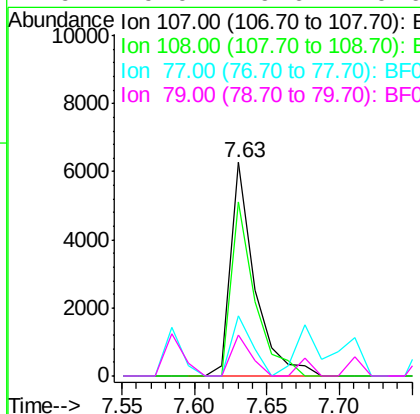
Instrument :
BNA_F
ClientSampleId :
MW-6-3-23-15

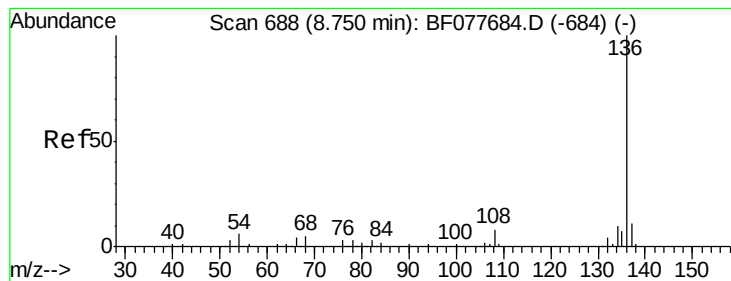
Tgt Ion:	70	Resp:	31261
Ion	Ratio	Lower	Upper
70	100		
42	44.5	44.5	66.7
101	0.0	7.4	11.2#
130	2.2	15.3	22.9#



#20
3+4-Methylphenols
Concen: 2.22 ng
RT: 7.63 min Scan# 590
Delta R.T. 0.00 min
Lab File: BF077967.D
Acq: 25 Mar 2015 22:45

Tgt Ion:	107	Resp:	7263
Ion	Ratio	Lower	Upper
107	100		
108	81.6	73.2	113.2
77	28.4	10.7	50.7
79	19.0	9.6	49.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.67 min Scan# 681

Delta R.T. 0.00 min

Lab File: BF077967.D

Acq: 25 Mar 2015 22:45

Instrument :

BNA_F

ClientSampleId :

MW-6-3-23-15

Tgt Ion:136 Resp: 185749

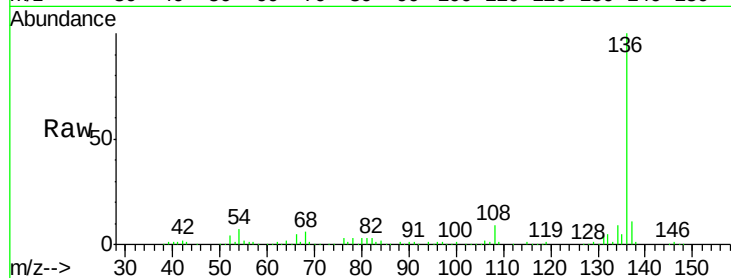
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 7.2 4.6 6.8#

68 5.6 3.7 5.5#

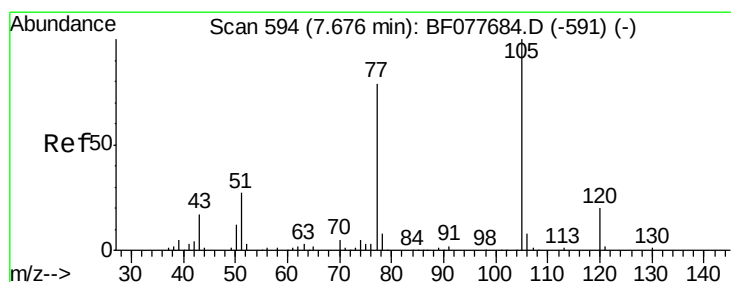
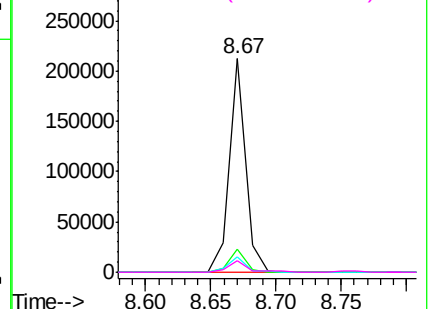
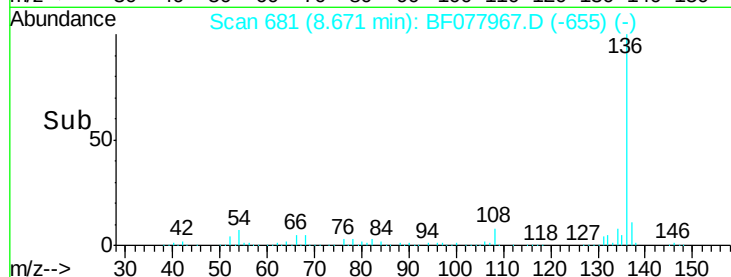


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 3.20 ng

RT: 7.58 min Scan# 586

Delta R.T. -0.02 min

Lab File: BF077967.D

Acq: 25 Mar 2015 22:45

Tgt Ion:105 Resp: 13174

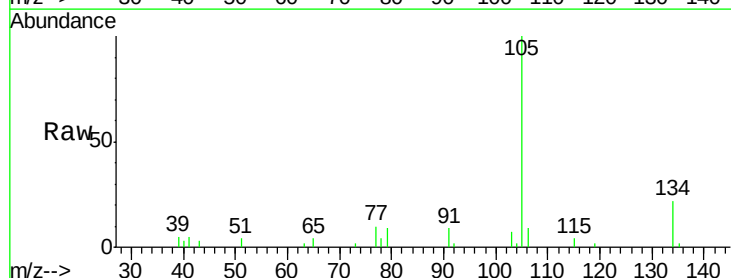
Ion Ratio Lower Upper

105 100

71 0.0 0.6 1.0#

51 3.5 21.6 32.4#

120 0.0 16.1 24.1#

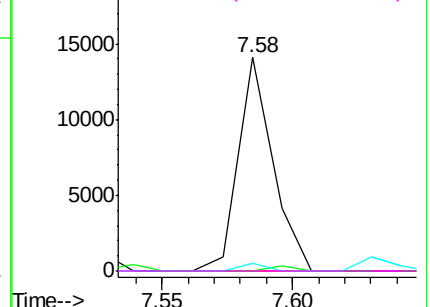
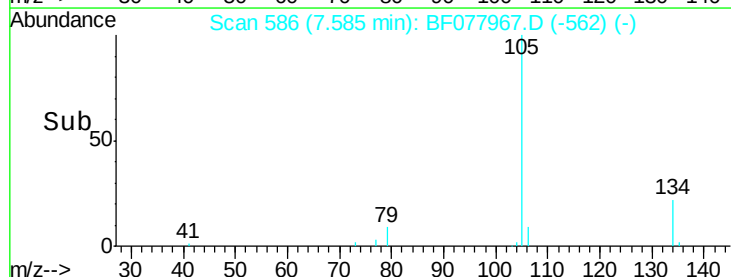


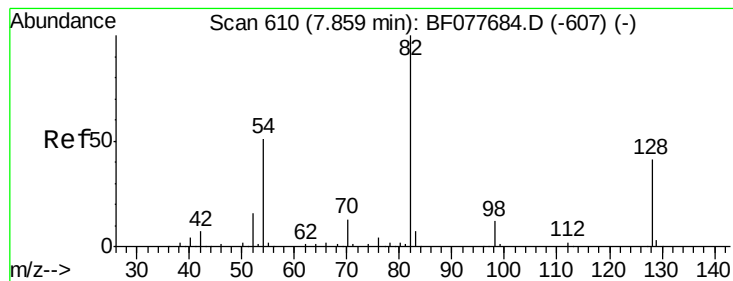
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 81.77 ng

RT: 7.79 min Scan# 604

Delta R.T. 0.00 min

Lab File: BF077967.D

Acq: 25 Mar 2015 22:45

Instrument :

BNA_F

ClientSampleId :

MW-6-3-23-15

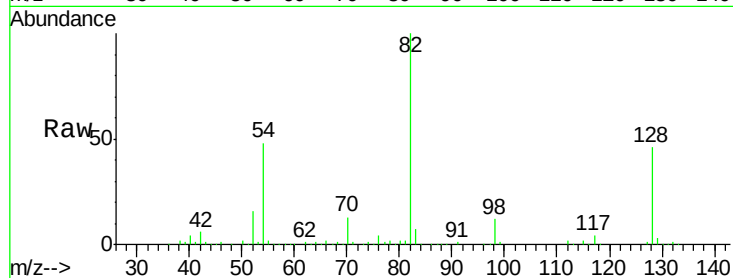
Tgt Ion: 82 Resp: 231711

Ion Ratio Lower Upper

82 100

128 45.6 32.8 49.2

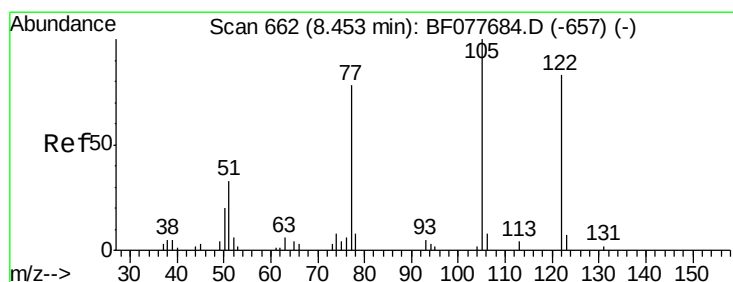
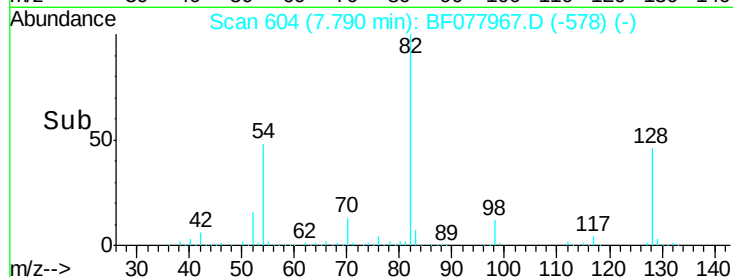
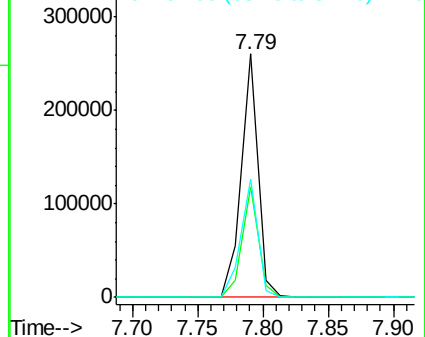
54 48.4 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#32

Benzoic acid

Concen: 3.30 ng

RT: 8.45 min Scan# 662

Delta R.T. 0.05 min

Lab File: BF077967.D

Acq: 25 Mar 2015 22:45

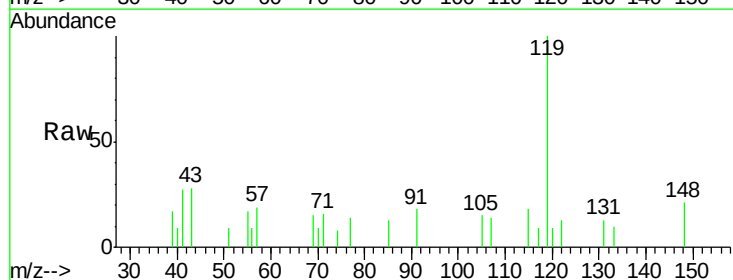
Tgt Ion: 122 Resp: 338

Ion Ratio Lower Upper

122 100

105 119.3 99.9 139.9

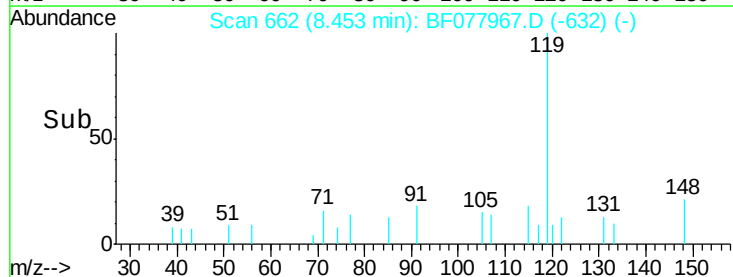
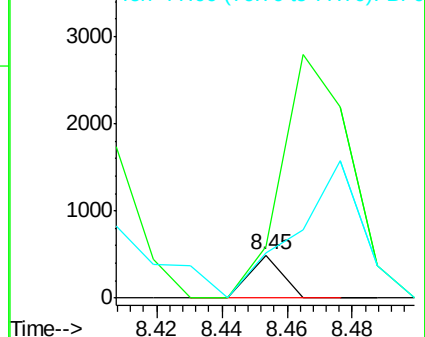
77 106.5 73.7 113.7

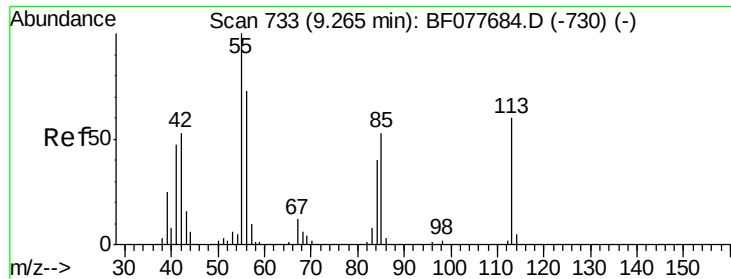


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#35

Caprolactam

Concen: 2.30 ng

RT: 9.25 min Scan# 732

Delta R.T. 0.03 min

Lab File: BF077967.D

Acq: 25 Mar 2015 22:45

Instrument :

BNA_F

ClientSampleId :

MW-6-3-23-15

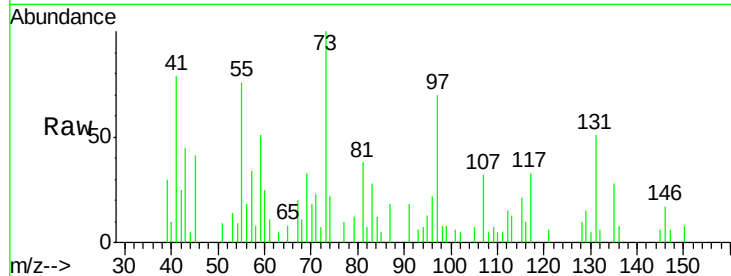
Tgt Ion:113 Resp: 1743

Ion Ratio Lower Upper

113 100

55 603.4 145.9 185.9#

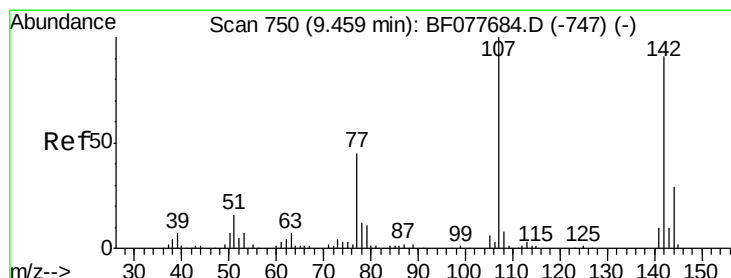
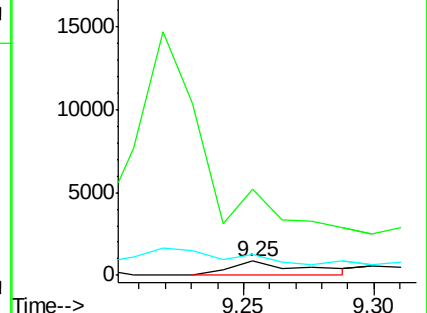
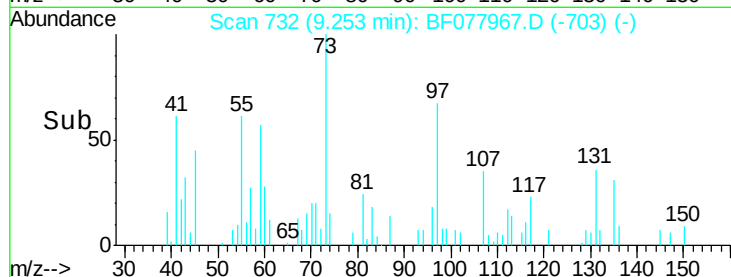
56 145.0 101.0 141.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 113.47 ng

RT: 9.15 min Scan# 723

Delta R.T. -0.25 min

Lab File: BF077967.D

Acq: 25 Mar 2015 22:45

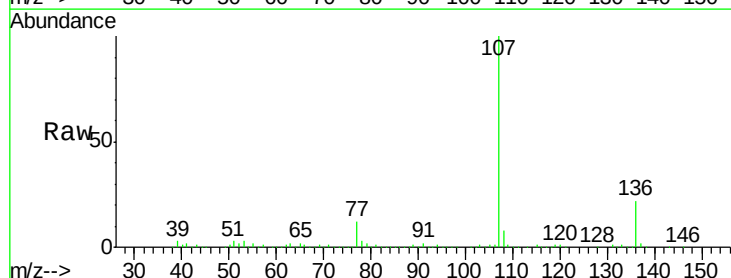
Tgt Ion:107 Resp: 296324

Ion Ratio Lower Upper

107 100

144 0.0 23.3 34.9#

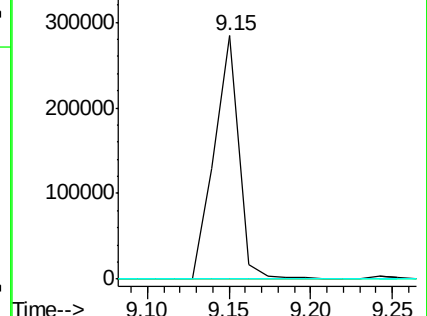
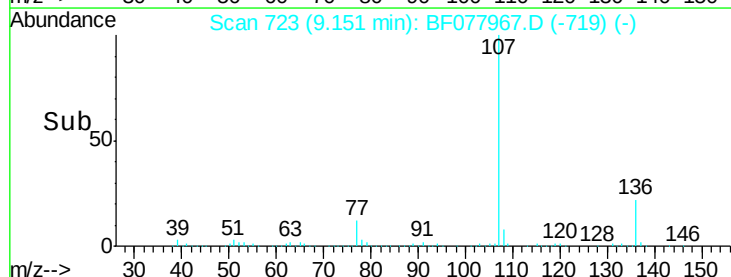
142 0.0 72.6 109.0#

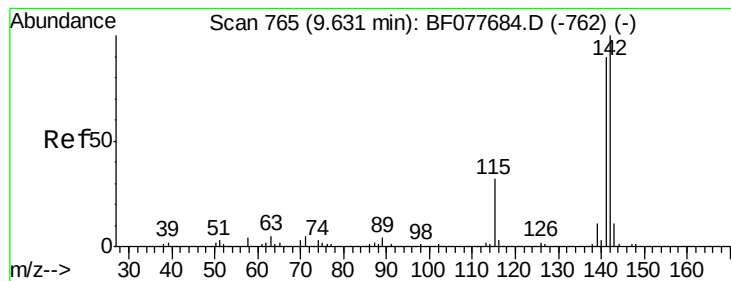


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 4.76 ng

RT: 9.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF077967.D

Acq: 25 Mar 2015 22:45

Instrument :

BNA_F

ClientSampleId :

MW-6-3-23-15

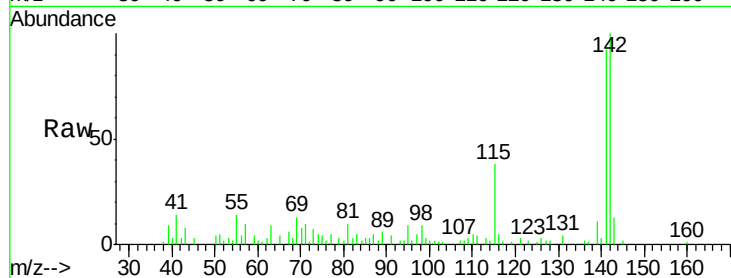
Tgt Ion:142 Resp: 30509

Ion Ratio Lower Upper

142 100

141 92.2 71.9 107.9

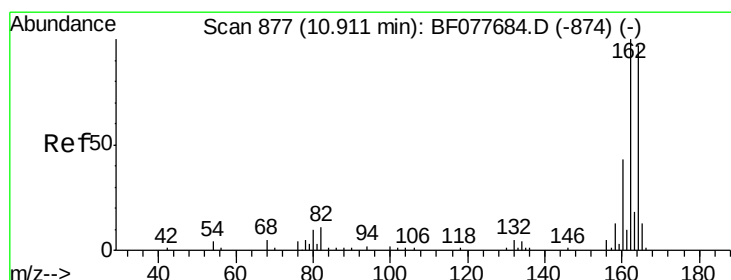
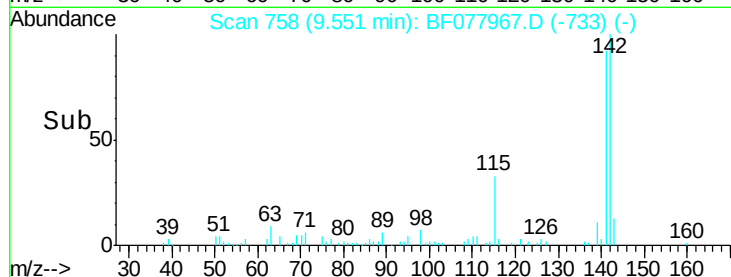
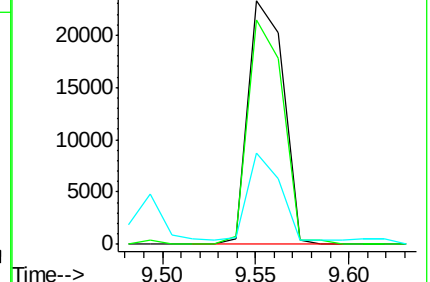
115 37.6 25.4 38.0



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: 20.00 ng

RT: 10.84 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF077967.D

Acq: 25 Mar 2015 22:45

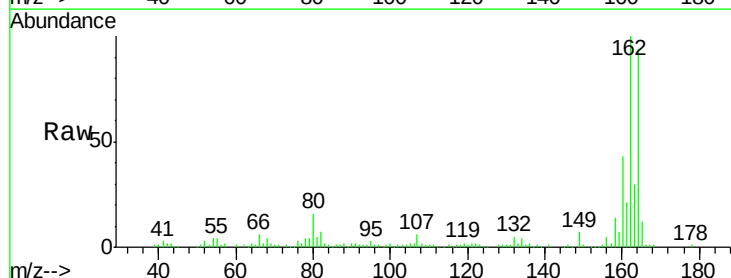
Tgt Ion:164 Resp: 98380

Ion Ratio Lower Upper

164 100

162 106.6 82.4 123.6

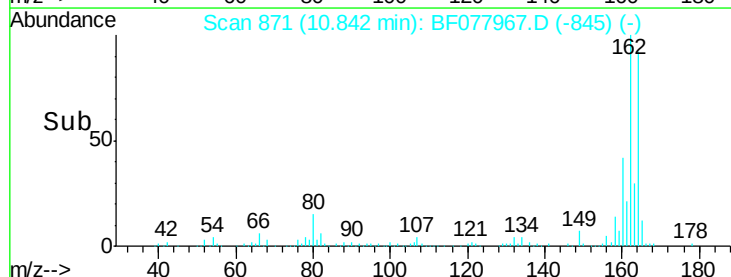
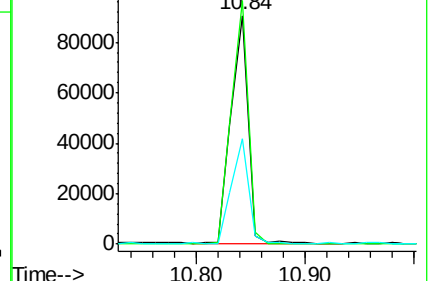
160 46.0 35.8 53.6

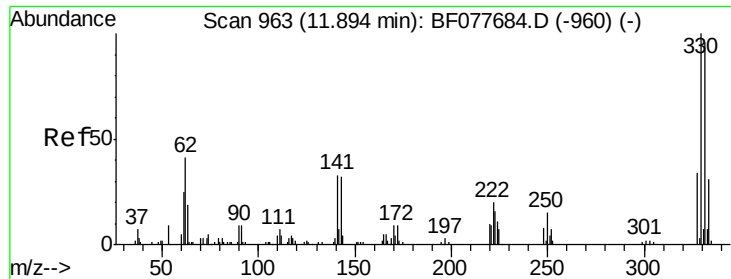


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

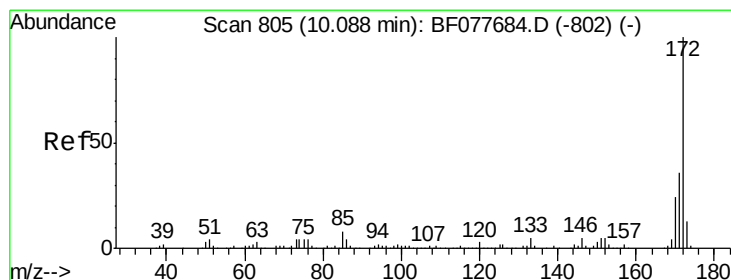
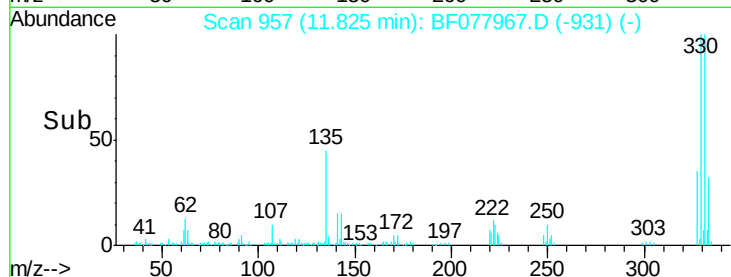
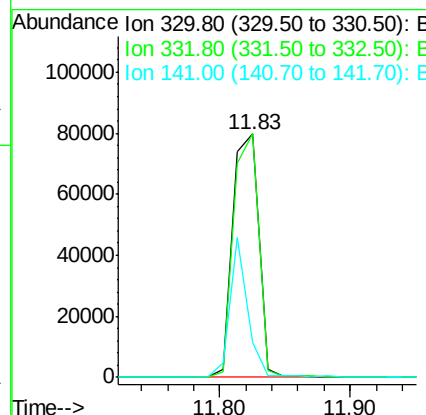
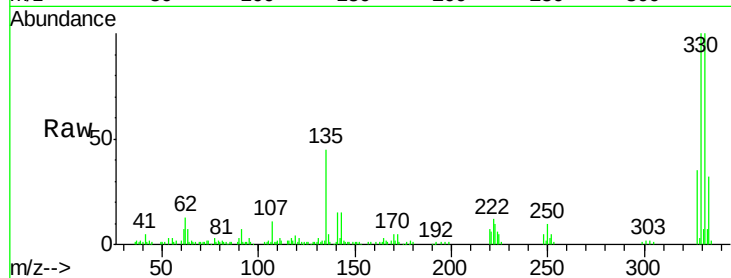




#41
 2,4,6-Tribromophenol
 Concen: 116.77 ng
 RT: 11.83 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: BF077967.D
 Acq: 25 Mar 2015 22:45

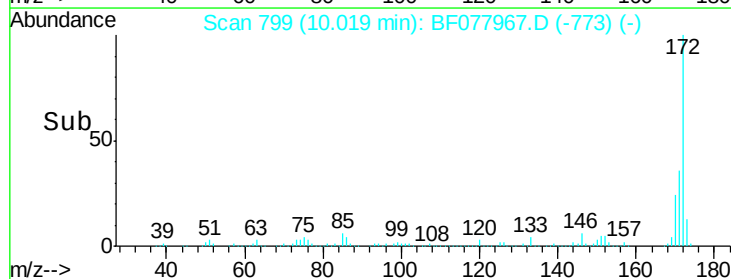
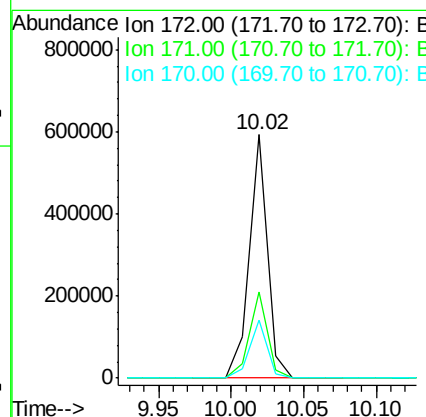
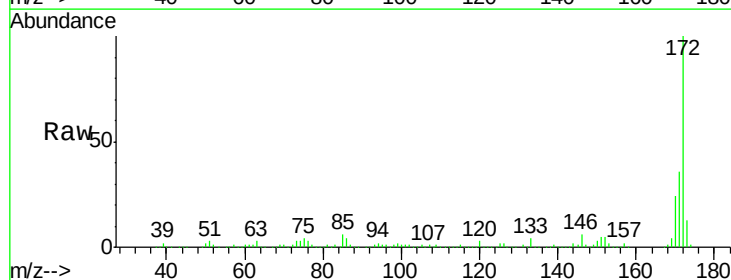
Instrument :
 BNA_F
 ClientSampleId :
 MW-6-3-23-15

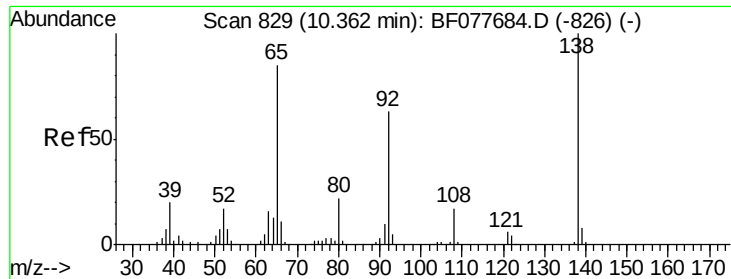
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	0.0	0.0#
141	40.3	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 76.75 ng
 RT: 10.02 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF077967.D
 Acq: 25 Mar 2015 22:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.5	42.7
170	23.8	18.8	28.2





#47

2-Nitroaniline

Concen: 2.47 ng

RT: 10.32 min Scan# 825

Delta R.T. 0.02 min

Lab File: BF077967.D

Acq: 25 Mar 2015 22:45

Instrument :

BNA_F

ClientSampleId :

MW-6-3-23-15

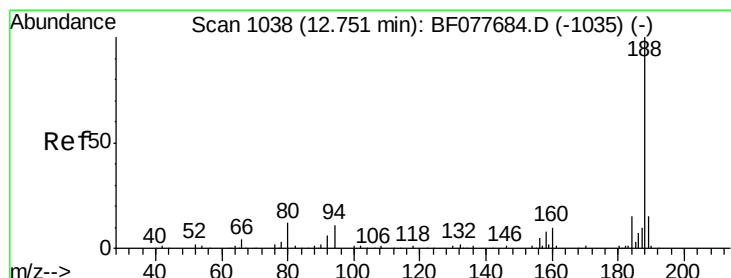
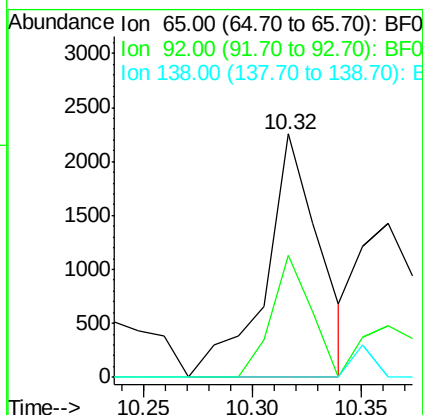
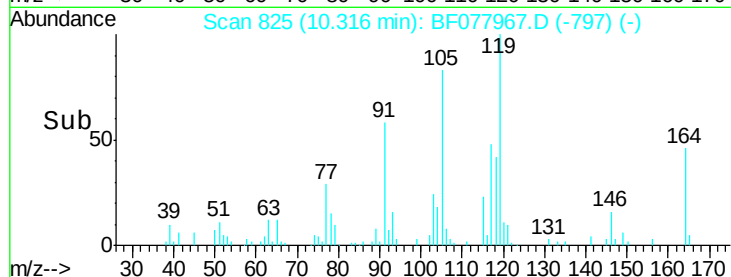
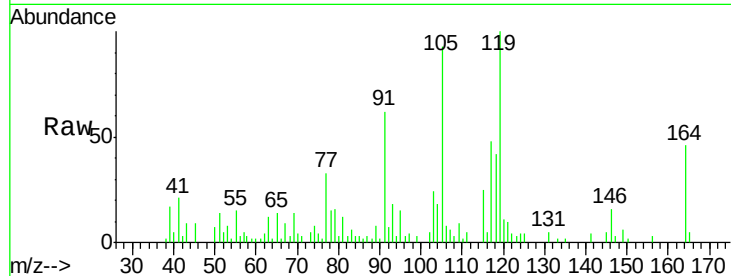
Tgt Ion: 65 Resp: 3913

Ion Ratio Lower Upper

65 100

92 50.0 59.1 88.7#

138 0.0 93.9 140.9#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.67 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF077967.D

Acq: 25 Mar 2015 22:45

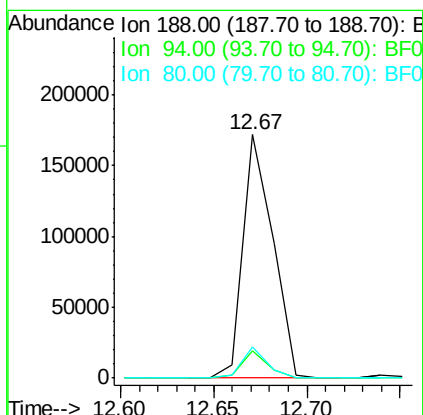
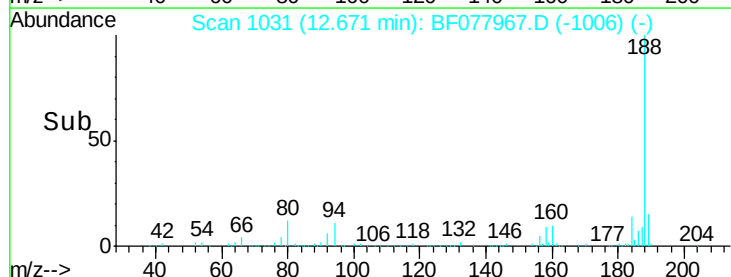
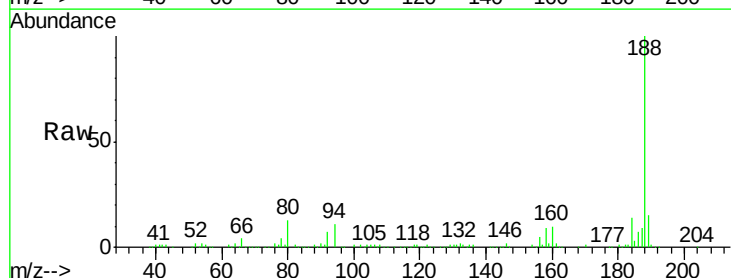
Tgt Ion: 188 Resp: 190770

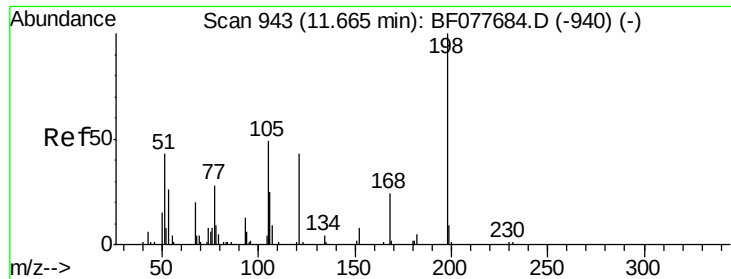
Ion Ratio Lower Upper

188 100

94 11.4 8.7 13.1

80 12.6 9.3 13.9





#64

4,6-Dinitro-2-methylphenol

Concen: 4.53 ng

RT: 11.81 min Scan# 956

Delta R.T. 0.22 min

Lab File: BF077967.D

Acq: 25 Mar 2015 22:45

Instrument :

BNA_F

ClientSampleId :

MW-6-3-23-15

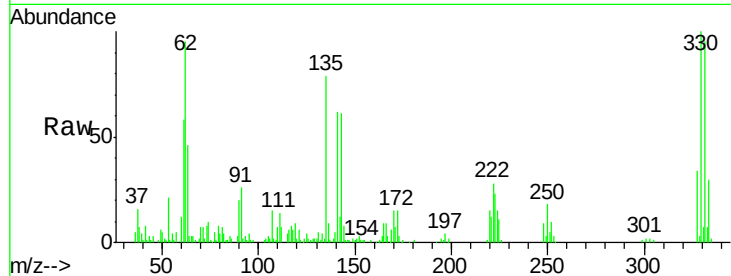
Tgt Ion:198 Resp: 234

Ion Ratio Lower Upper

198 100

51 373.6 28.8 68.8#

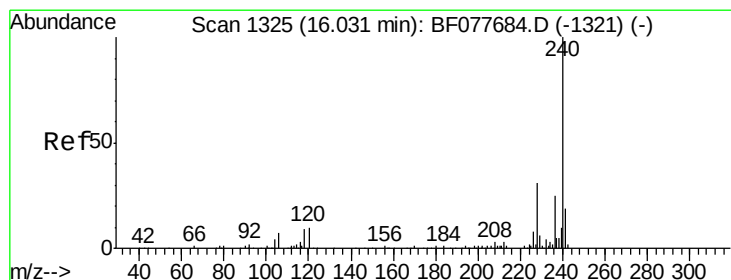
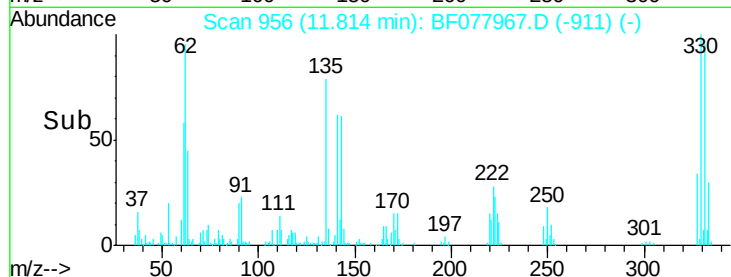
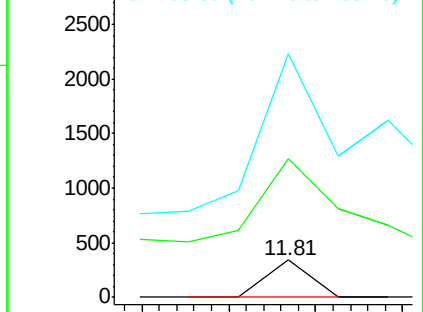
105 654.0 30.5 70.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.95 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF077967.D

Acq: 25 Mar 2015 22:45

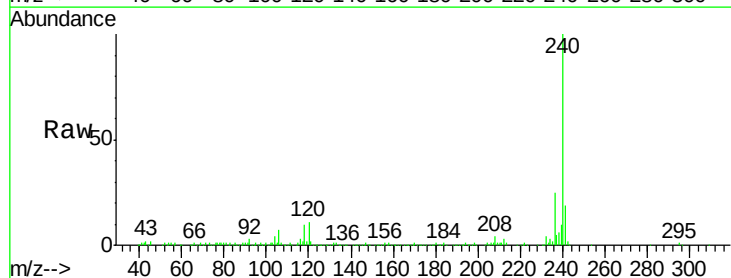
Tgt Ion:240 Resp: 215211

Ion Ratio Lower Upper

240 100

120 10.7 8.2 12.2

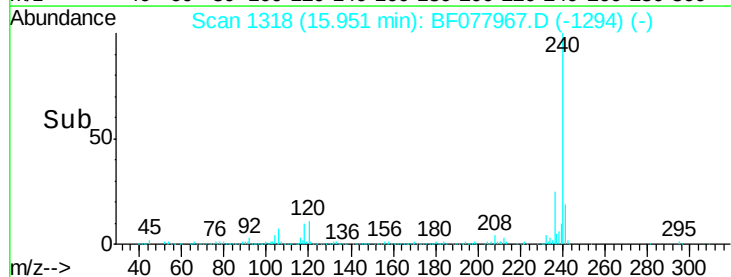
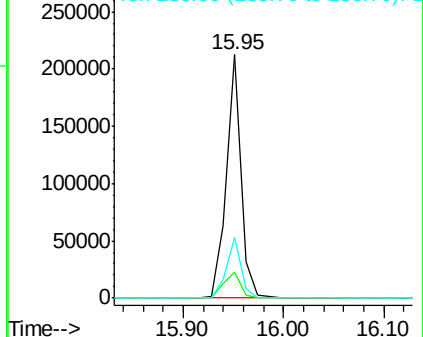
236 24.9 20.0 30.0

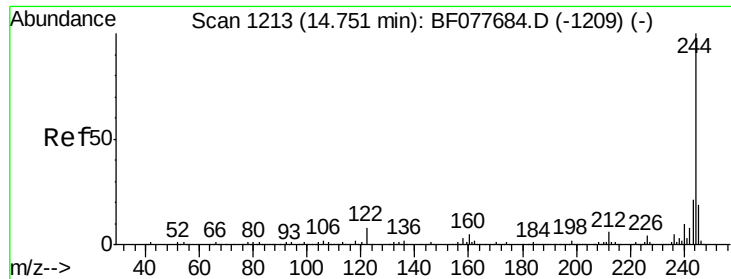


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

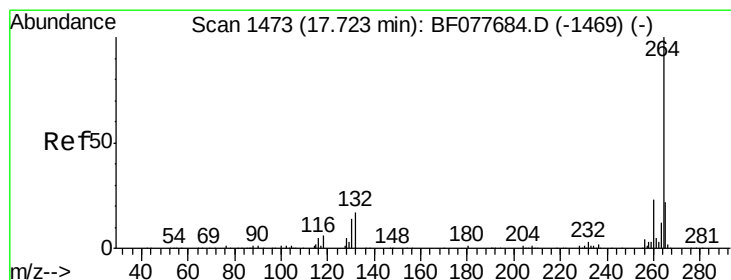
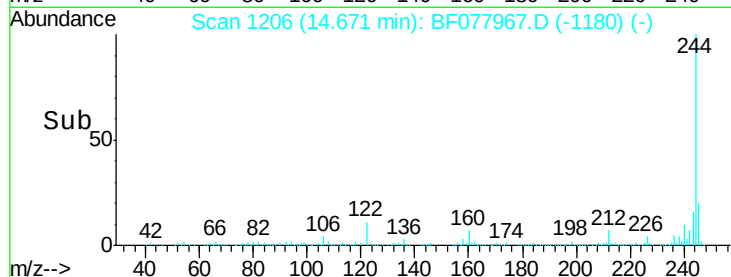
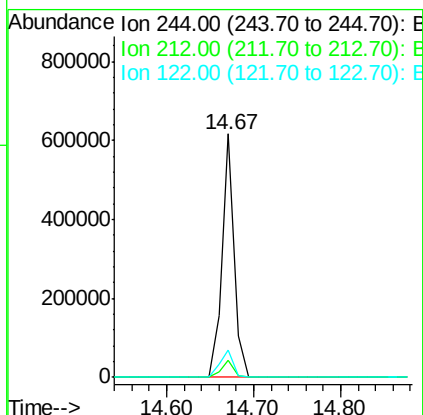
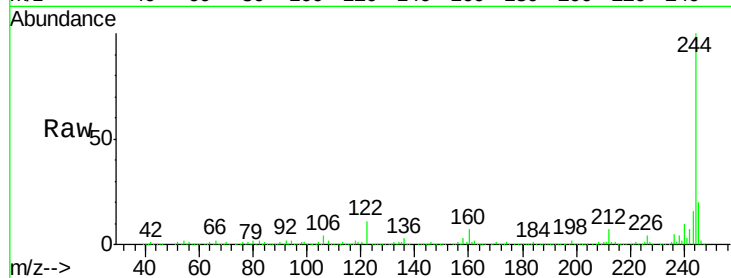




#78
 Terphenyl-d14
 Concen: 69.04 ng
 RT: 14.67 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: BF077967.D
 Acq: 25 Mar 2015 22:45

Instrument :
 BNA_F
 ClientSampleId :
 MW-6-3-23-15

Tgt Ion: 244 Resp: 608267
 Ion Ratio Lower Upper
 244 100
 212 6.9 4.9 7.3
 122 11.4 6.2 9.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.65 min Scan# 1467
 Delta R.T. -0.09 min
 Lab File: BF077967.D
 Acq: 25 Mar 2015 22:45

Tgt Ion: 264 Resp: 205389
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.6 27.8
 265 21.8 17.3 25.9

