

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032615\
 Data File : BF078030.D
 Acq On : 27 Mar 2015 9:20
 Operator : TP/IZ
 Sample : G1611-14
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-31

Quant Time: Mar 27 14:10:49 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 02:09:19 2015
 Response via : Initial Calibration

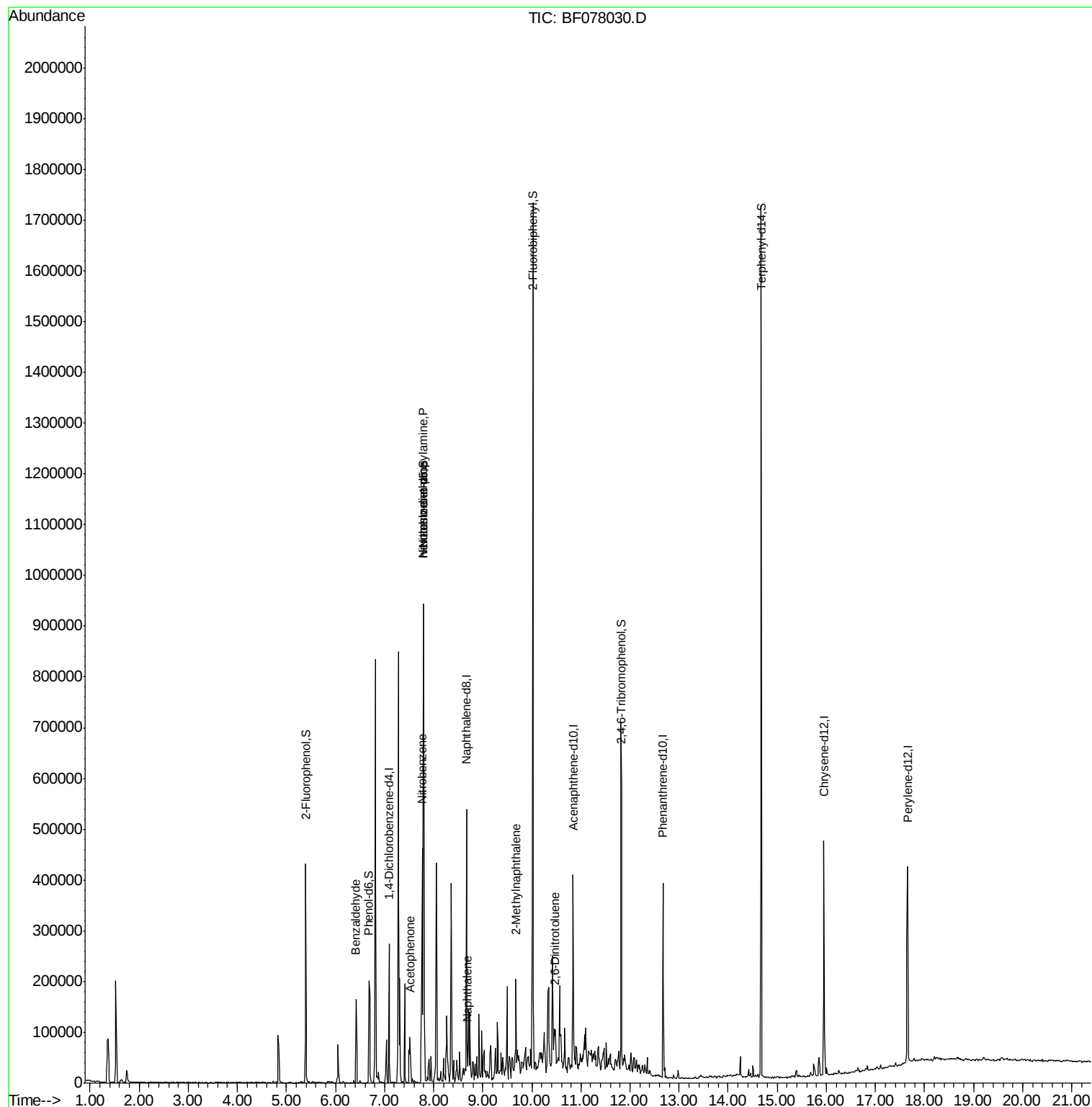
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	42006	20.00	ng	-0.07
21) Naphthalene-d8	8.67	136	172725	20.00	ng	-0.07
38) Acenaphthene-d10	10.84	164	87976	20.00	ng	-0.07
63) Phenanthrene-d10	12.67	188	167075	20.00	ng	-0.08
75) Chrysene-d12	15.95	240	180343	20.00	ng	-0.18
86) Perylene-d12	17.65	264	182147	20.00	ng	-0.45
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	138710	57.64	ng	-0.05
7) Phenol-d6	6.68	99	107092	36.02	ng	-0.05
23) Nitrobenzene-d5	7.79	82	231068	87.69	ng	-0.07
41) 2,4,6-Tribromophenol	11.83	330	107931	128.22	ng	-0.07
44) 2-Fluorobiphenyl	10.02	172	522192	87.23	ng	-0.07
78) Terphenyl-d14	14.67	244	591696	80.14	ng	-0.09
Target Compounds						
9) Benzaldehyde	6.42	77	3383	2.78	ng	# 48
18) Hexachloroethane	7.79	117	123214	113.49	ng	# 3
19) n-Nitroso-di-n-propylamine	7.79	70	30121	14.64	ng	# 83
22) Acetophenone	7.52	105	29410	7.69	ng	# 72
24) Nitrobenzene	7.77	77	22325	7.86	ng	# 23
31) Naphthalene	8.69	128	18338	2.07	ng	# 89
37) 2-Methylnaphthalene	9.68	142	45051	7.56	ng	# 97
50) 2,6-Dinitrotoluene	10.48	165	3900	2.88	ng	# 60

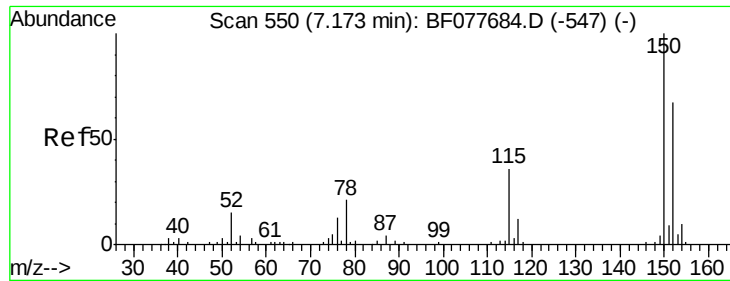
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.09 min Scan# 543

Delta R.T. -0.07 min

Lab File: BF078030.D

Acq: 27 Mar 2015 9:20

Instrument :

BNA_F

ClientSampled :

MW-31

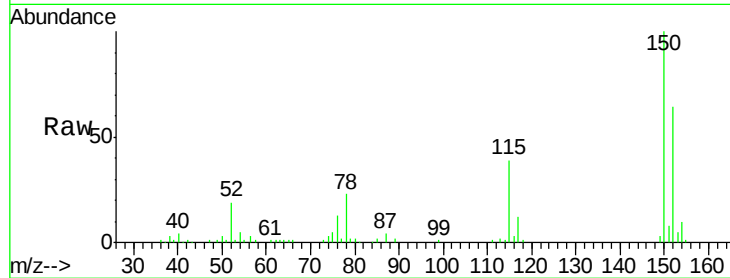
Tgt Ion:152 Resp: 42006

Ion Ratio Lower Upper

152 100

150 157.3 119.5 179.3

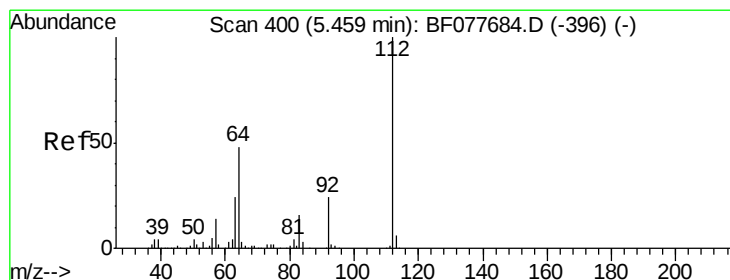
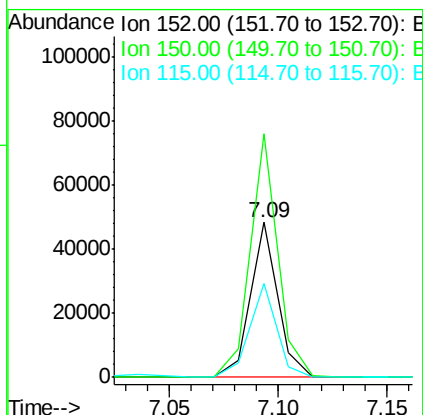
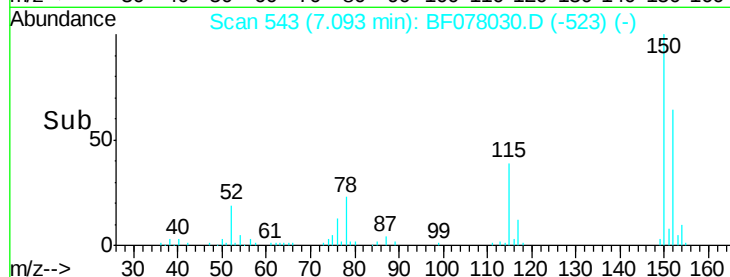
115 60.7 43.0 64.4



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



#5

2-Fluorophenol

Concen: 57.64 ng

RT: 5.39 min Scan# 394

Delta R.T. -0.05 min

Lab File: BF078030.D

Acq: 27 Mar 2015 9:20

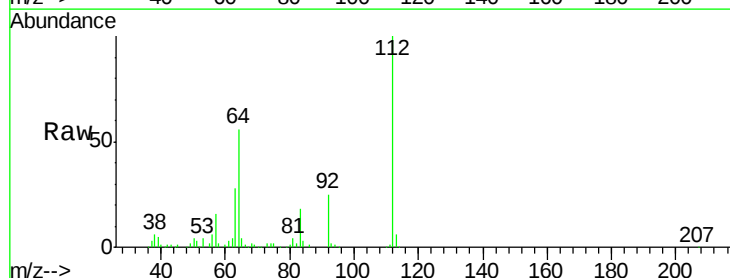
Tgt Ion:112 Resp: 138710

Ion Ratio Lower Upper

112 100

64 56.4 38.6 57.8

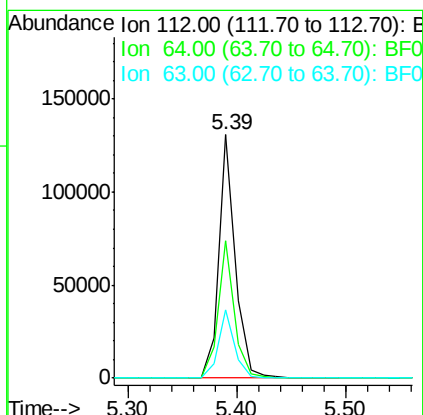
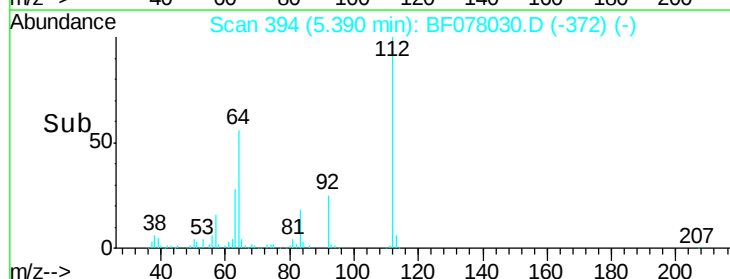
63 28.1 19.3 28.9



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: 36.02 ng

RT: 6.68 min Scan# 507

Delta R.T. -0.05 min

Lab File: BF078030.D

Acq: 27 Mar 2015 9:20

Instrument :

BNA_F

ClientSampled :

MW-31

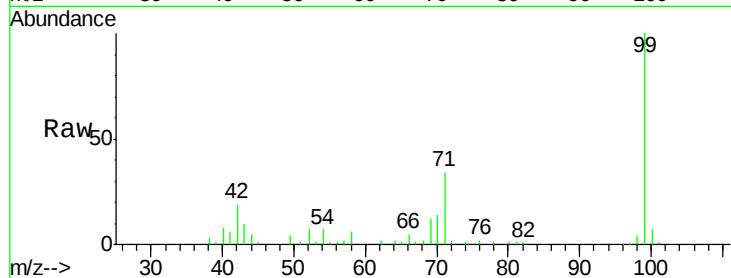
Tgt Ion: 99 Resp: 107092

Ion Ratio Lower Upper

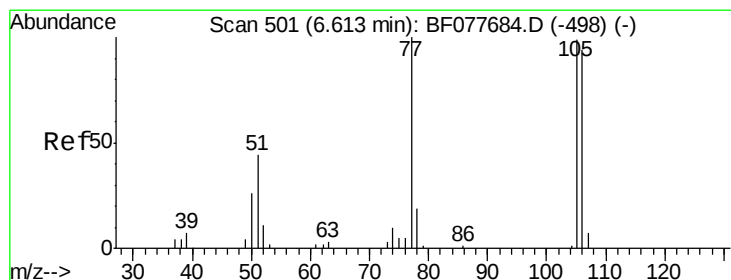
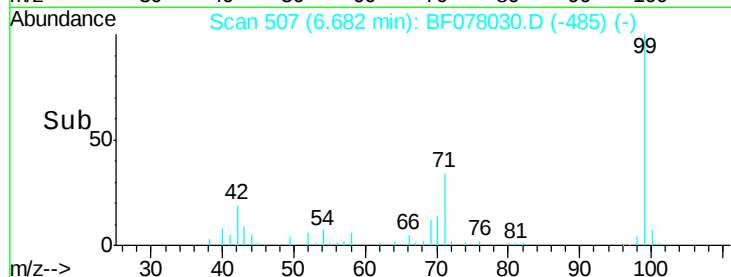
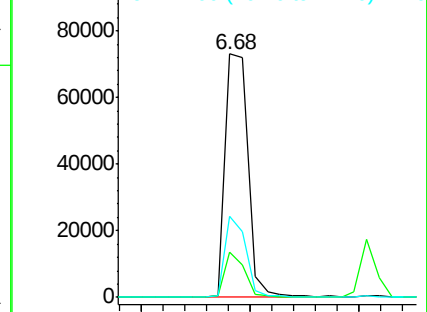
99 100

42 18.8 11.0 16.4#

71 33.5 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



#9

Benzaldehyde

Concen: 2.78 ng

RT: 6.42 min Scan# 484

Delta R.T. -0.18 min

Lab File: BF078030.D

Acq: 27 Mar 2015 9:20

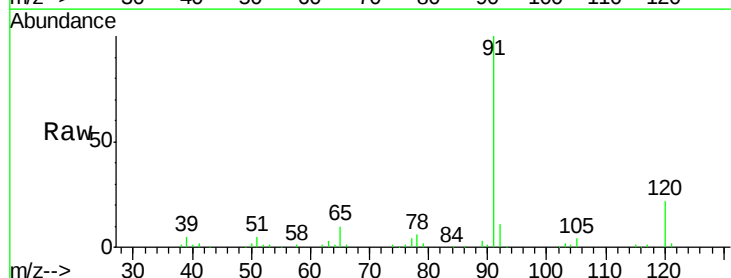
Tgt Ion: 77 Resp: 3383

Ion Ratio Lower Upper

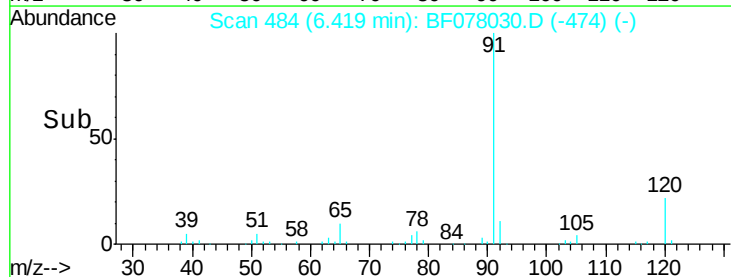
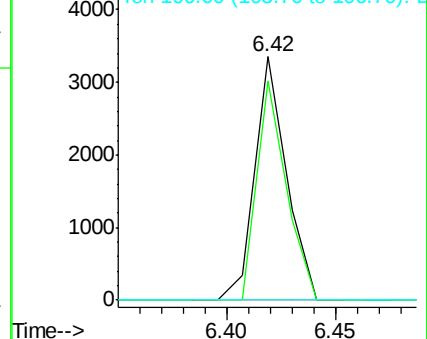
77 100

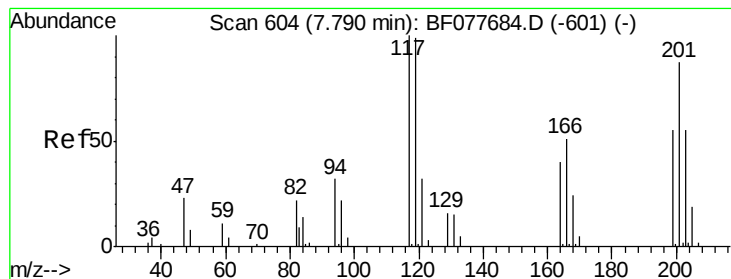
105 90.0 78.8 118.8

106 0.0 73.7 113.7#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#18

Hexachloroethane

Concen: 113.49 ng

RT: 7.79 min Scan# 604

Delta R.T. 0.01 min

Lab File: BF078030.D

Acq: 27 Mar 2015 9:20

Instrument :

BNA_F

ClientSampled :

MW-31

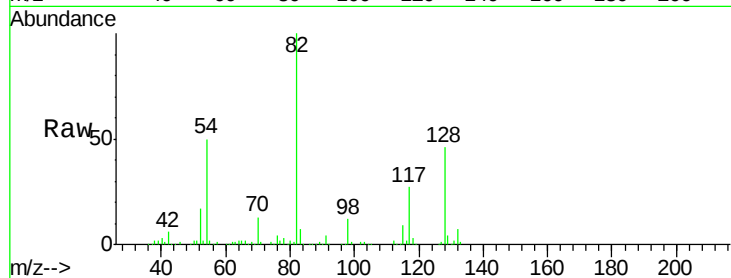
Tgt Ion: 117 Resp: 123214

Ion Ratio Lower Upper

117 100

119 0.8 79.2 118.8#

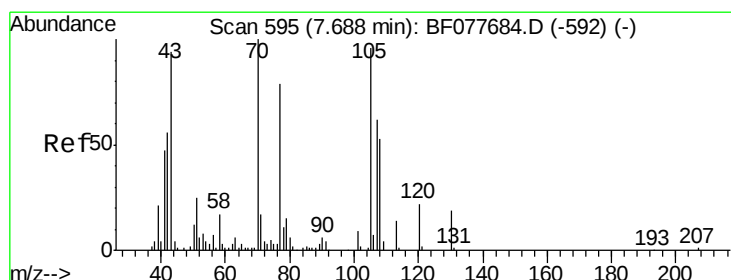
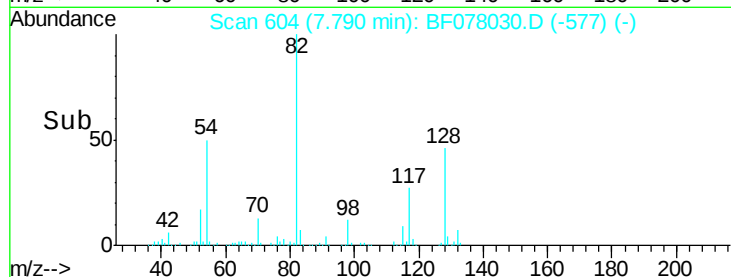
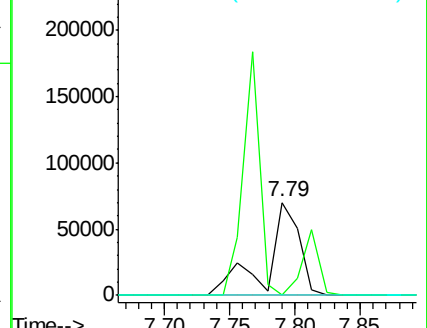
201 0.0 69.8 104.6#



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: 14.64 ng

RT: 7.79 min Scan# 604

Delta R.T. 0.10 min

Lab File: BF078030.D

Acq: 27 Mar 2015 9:20

Tgt Ion: 70 Resp: 30121

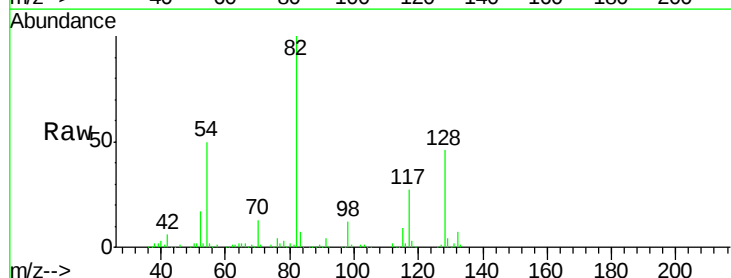
Ion Ratio Lower Upper

70 100

42 48.6 44.5 66.7

101 0.0 7.4 11.2#

130 3.3 15.3 22.9#

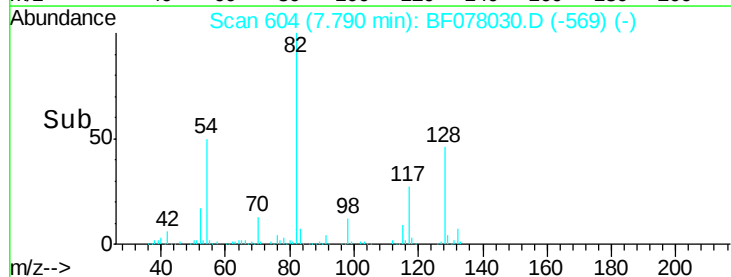
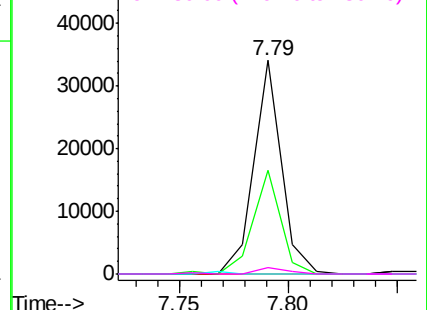


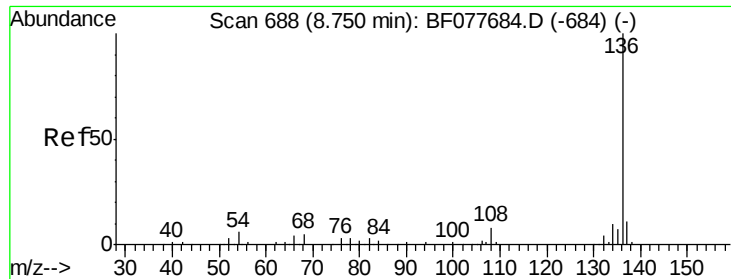
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

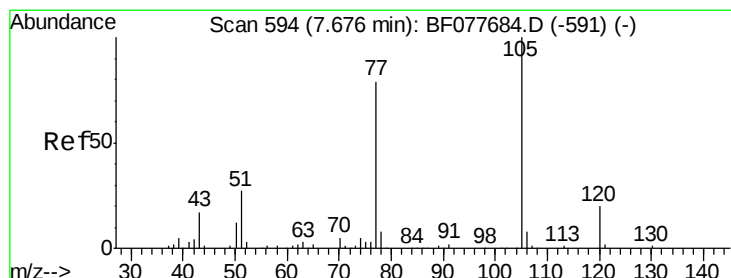
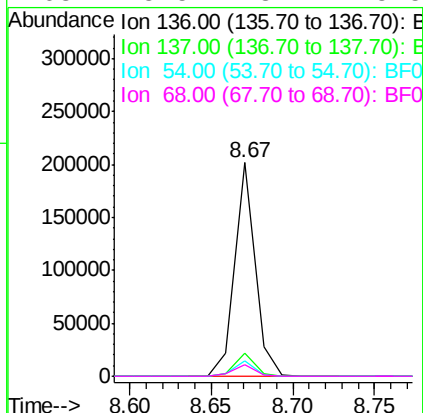
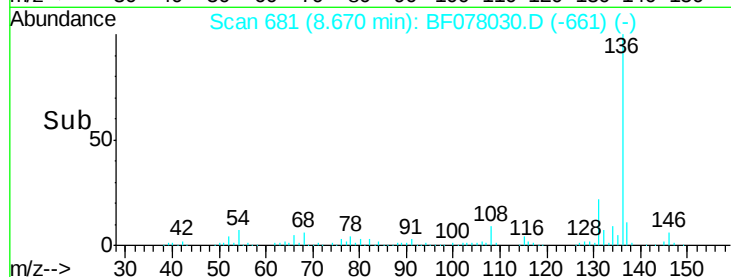
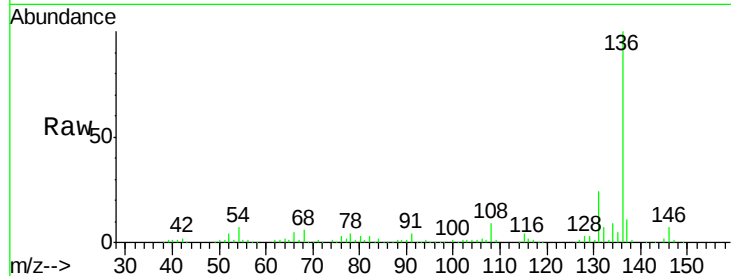




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.67 min Scan# 681
Delta R.T. -0.07 min
Lab File: BF078030.D
Acq: 27 Mar 2015 9:20

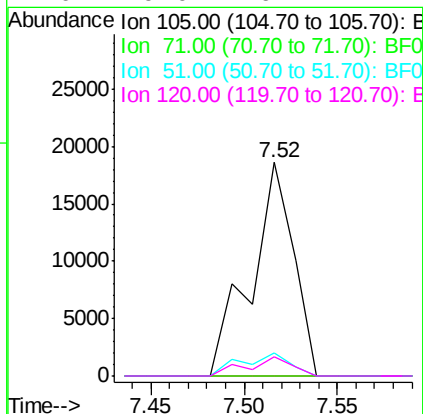
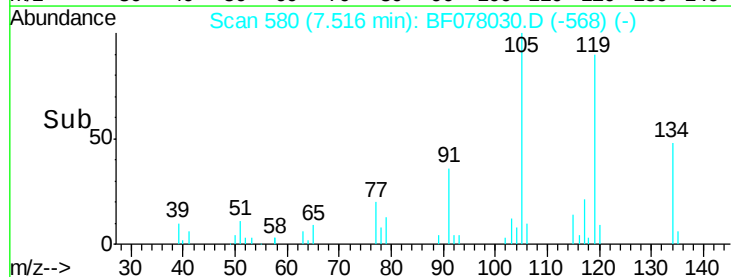
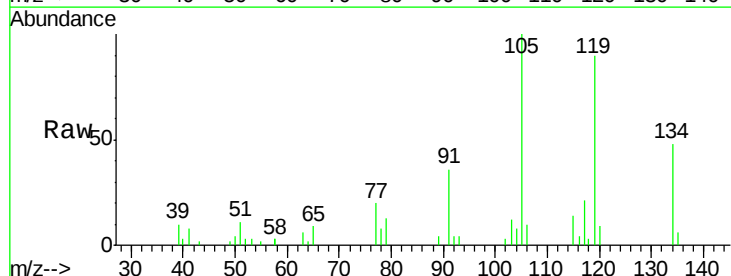
Instrument :
BNA_F
ClientSampleId :
MW-31

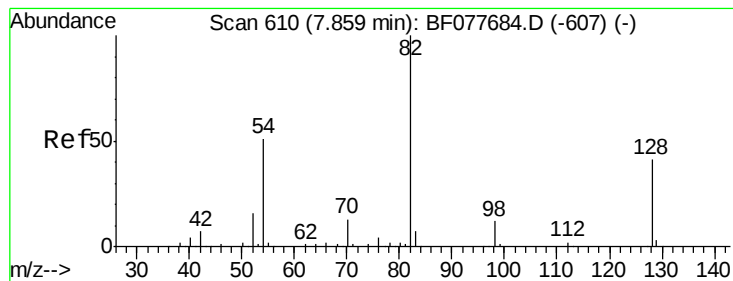
Tgt Ion:	136	Resp:	172725
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	7.1	4.6	6.8#
68	5.5	3.7	5.5#



#22
Acetophenone
Concen: 7.69 ng
RT: 7.52 min Scan# 580
Delta R.T. -0.16 min
Lab File: BF078030.D
Acq: 27 Mar 2015 9:20

Tgt Ion:	105	Resp:	29410
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	1.0#
51	10.9	21.6	32.4#
120	9.0	16.1	24.1#





#23

Nitrobenzene-d5

Concen: 87.69 ng

RT: 7.79 min Scan# 604

Delta R.T. -0.07 min

Lab File: BF078030.D

Acq: 27 Mar 2015 9:20

Instrument :

BNA_F

ClientSampleId :

MW-31

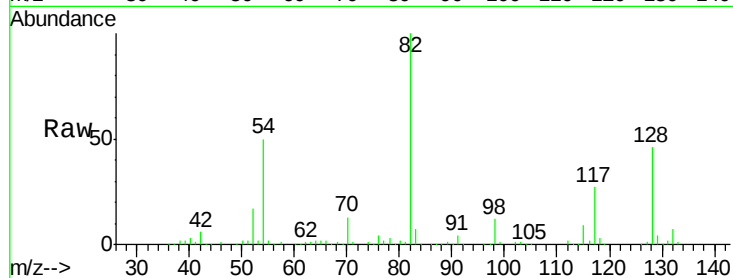
Tgt Ion: 82 Resp: 231068

Ion Ratio Lower Upper

82 100

128 45.5 32.8 49.2

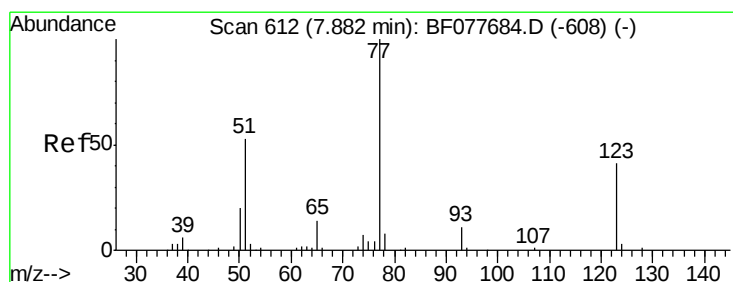
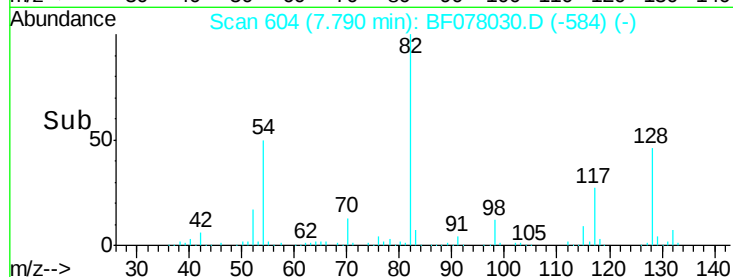
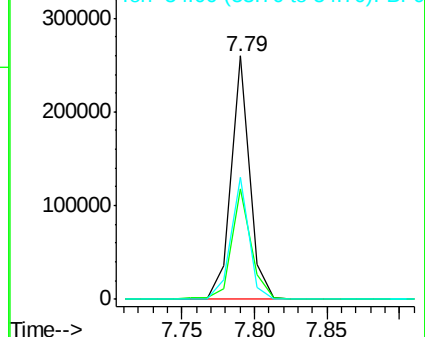
54 50.0 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 7.86 ng

RT: 7.77 min Scan# 602

Delta R.T. -0.11 min

Lab File: BF078030.D

Acq: 27 Mar 2015 9:20

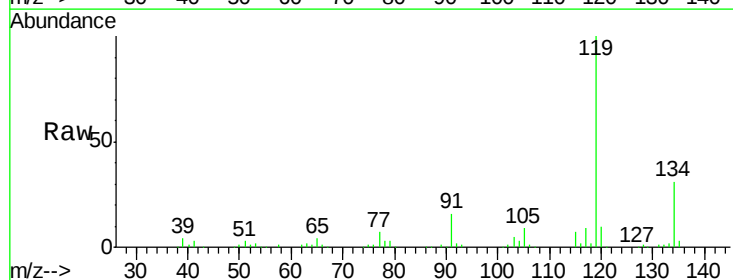
Tgt Ion: 77 Resp: 22325

Ion Ratio Lower Upper

77 100

123 0.0 32.6 49.0#

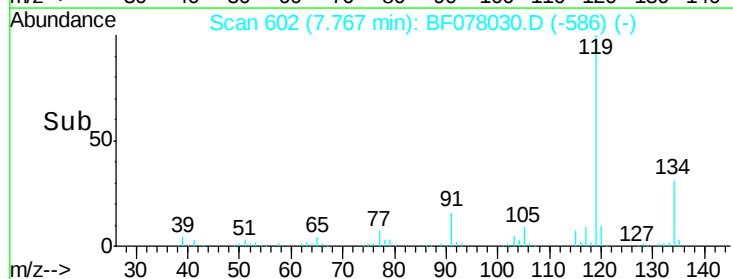
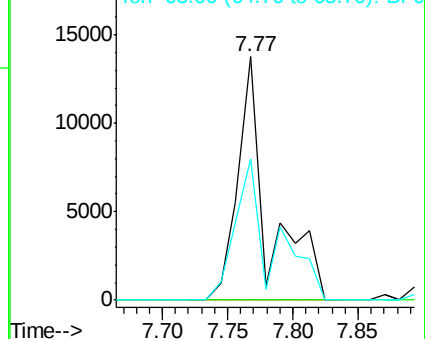
65 58.3 10.9 16.3#

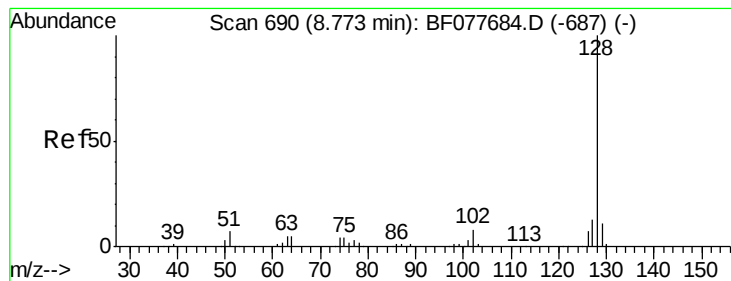


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): B

Ion 65.00 (64.70 to 65.70): BF0





#31

Naphthalene

Concen: 2.07 ng

RT: 8.69 min Scan# 683

Delta R.T. -0.07 min

Lab File: BF078030.D

Acq: 27 Mar 2015 9:20

Instrument :

BNA_F

ClientSampleId :

MW-31

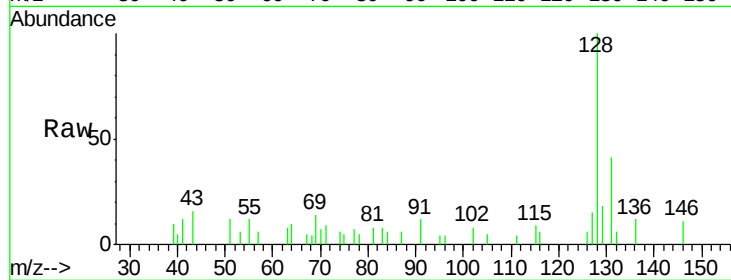
Tgt Ion:128 Resp: 18338

Ion Ratio Lower Upper

128 100

129 17.8 8.9 13.3#

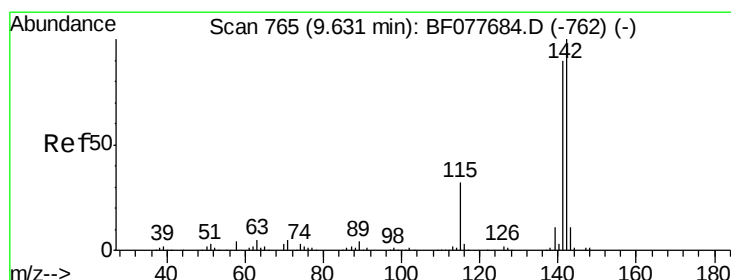
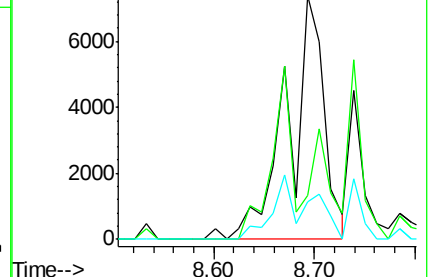
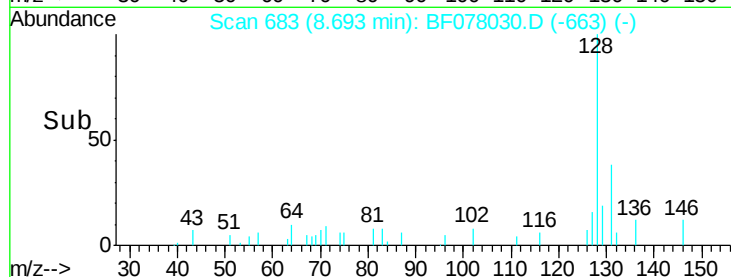
127 15.3 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 7.56 ng

RT: 9.68 min Scan# 769

Delta R.T. 0.06 min

Lab File: BF078030.D

Acq: 27 Mar 2015 9:20

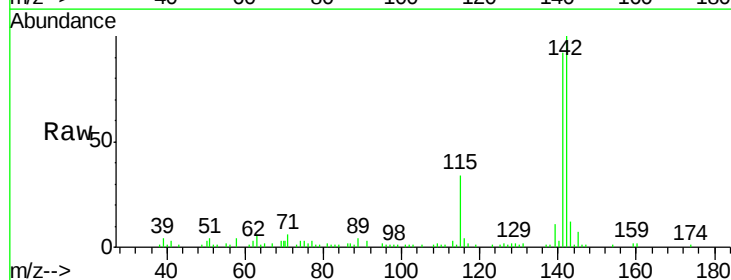
Tgt Ion:142 Resp: 45051

Ion Ratio Lower Upper

142 100

141 92.2 71.9 107.9

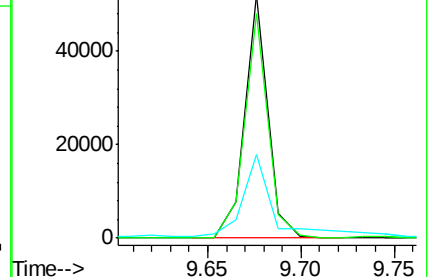
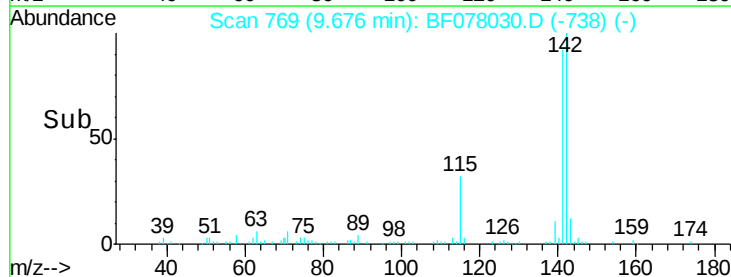
115 34.1 25.4 38.0

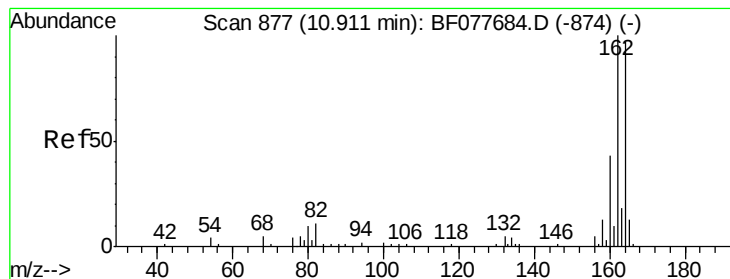


Abundance Ion 142.00 (141.70 to 142.70): E

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. -0.07 min

Lab File: BF078030.D

Acq: 27 Mar 2015 9:20

Instrument :

BNA_F

ClientSampleId :

MW-31

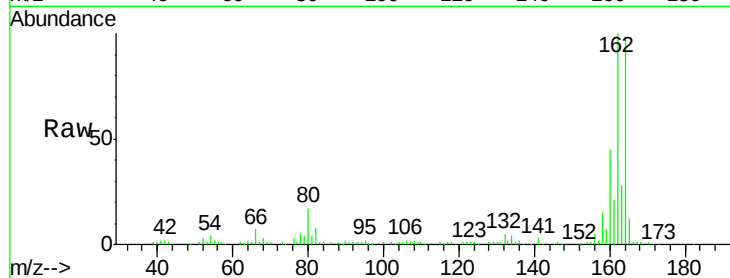
Tgt Ion:164 Resp: 87976

Ion Ratio Lower Upper

164 100

162 101.8 82.4 123.6

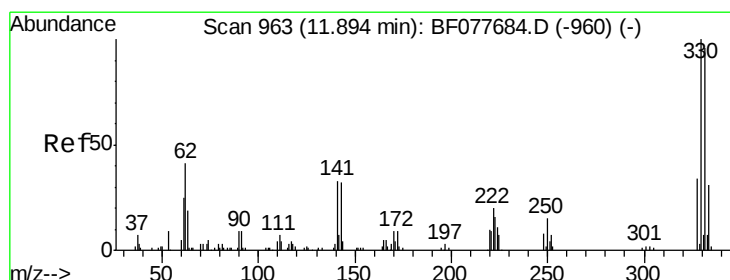
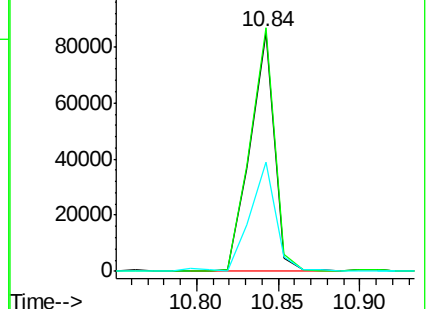
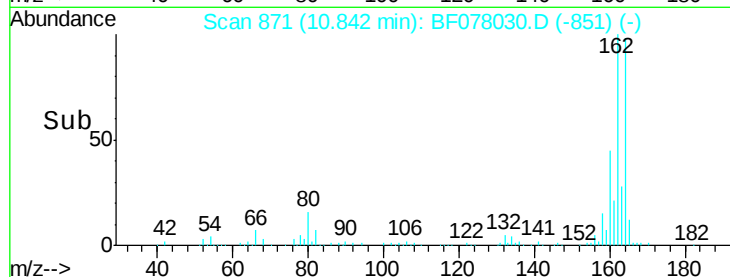
160 45.8 35.8 53.6



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: 128.22 ng

RT: 11.83 min Scan# 957

Delta R.T. -0.07 min

Lab File: BF078030.D

Acq: 27 Mar 2015 9:20

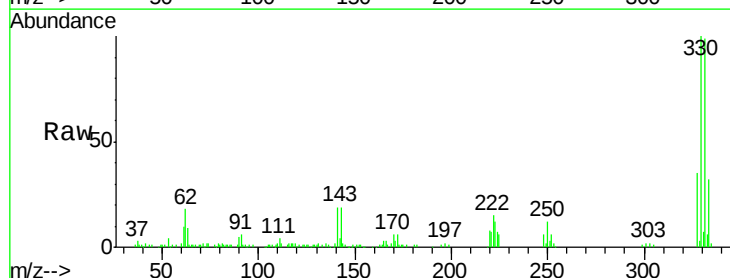
Tgt Ion:330 Resp: 107931

Ion Ratio Lower Upper

330 100

332 97.4 0.0 0.0#

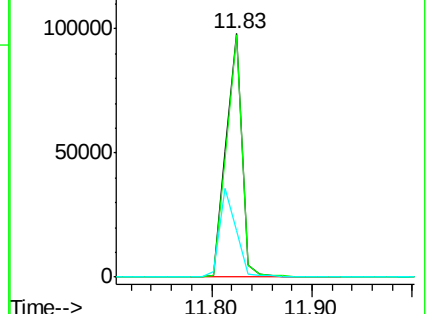
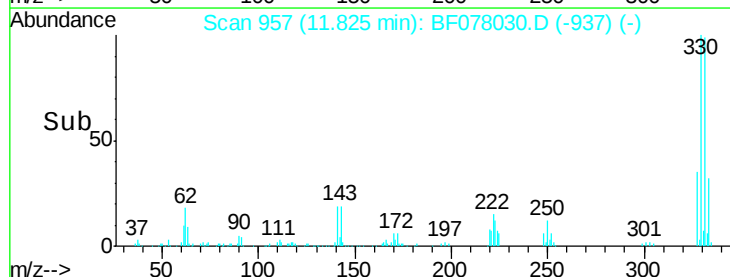
141 37.9 0.0 0.0#

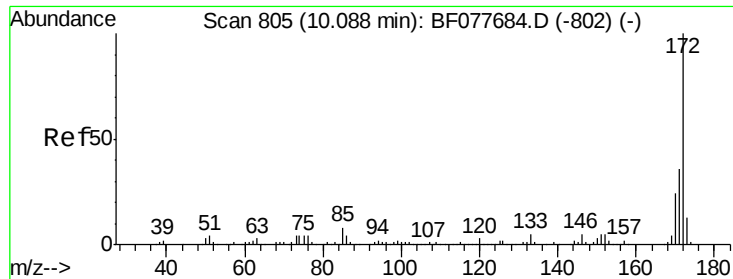


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

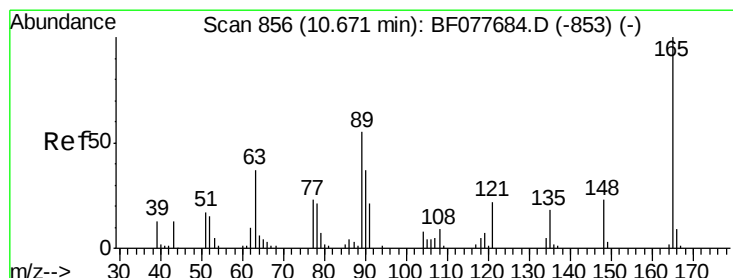
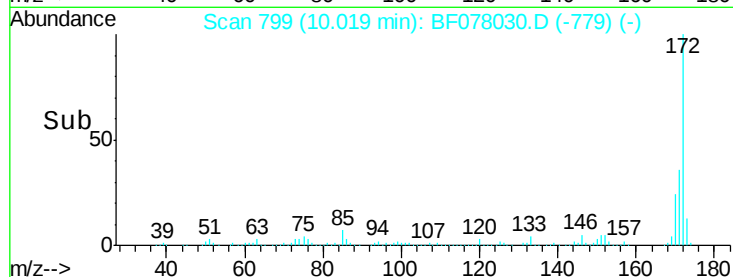
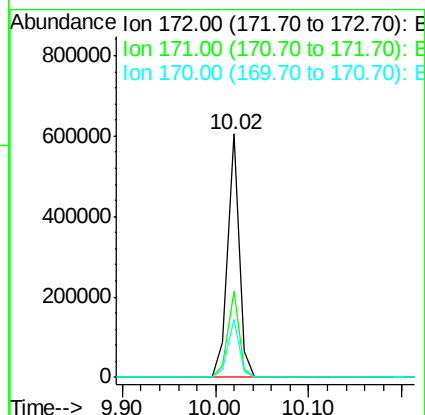
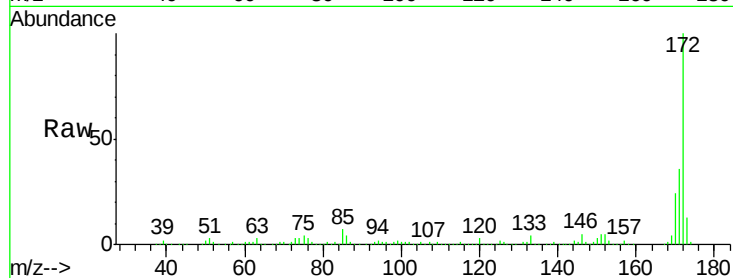




#44
 2-Fluorobiphenyl
 Concen: 87.23 ng
 RT: 10.02 min Scan# 799
 Delta R.T. -0.07 min
 Lab File: BF078030.D
 Acq: 27 Mar 2015 9:20

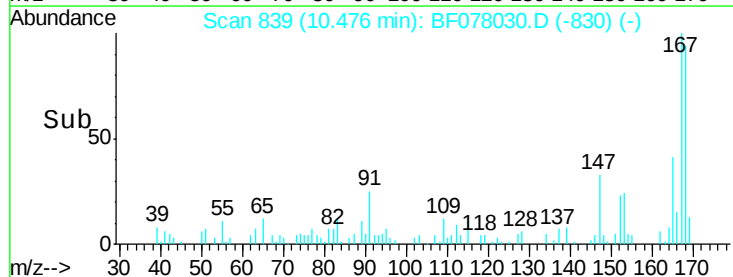
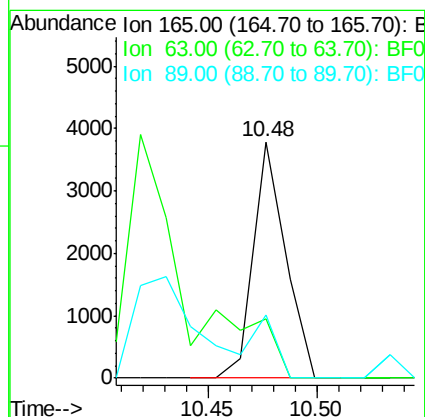
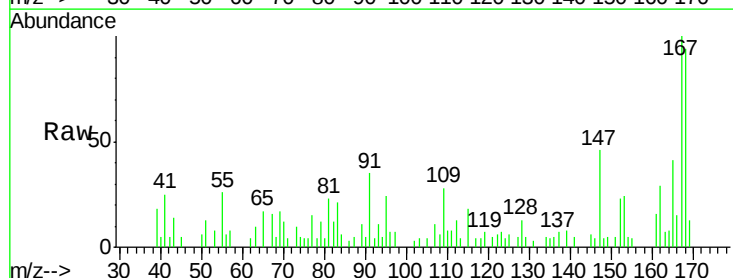
Instrument :
 BNA_F
 ClientSampleId :
 MW-31

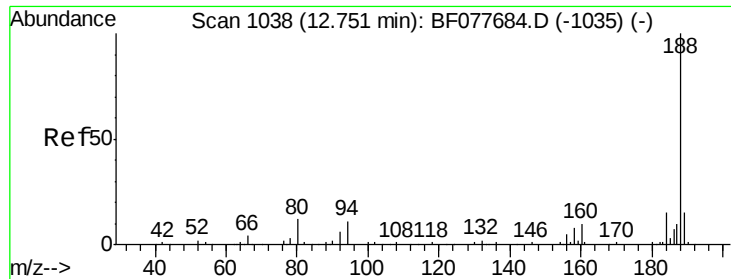
Tgt Ion:172 Resp: 522192
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.5 42.7
 170 23.7 18.8 28.2



#50
 2,6-Dinitrotoluene
 Concen: 2.88 ng
 RT: 10.48 min Scan# 839
 Delta R.T. -0.19 min
 Lab File: BF078030.D
 Acq: 27 Mar 2015 9:20

Tgt Ion:165 Resp: 3900
 Ion Ratio Lower Upper
 165 100
 63 25.4 44.1 66.1#
 89 26.8 44.3 66.5#

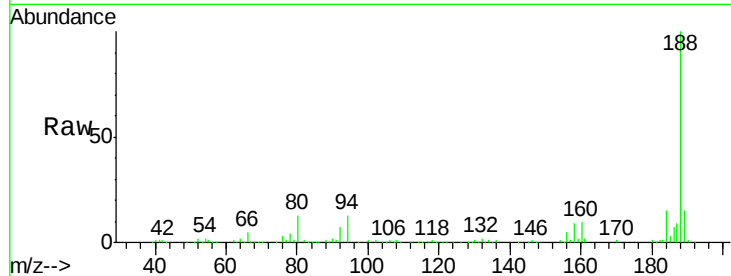




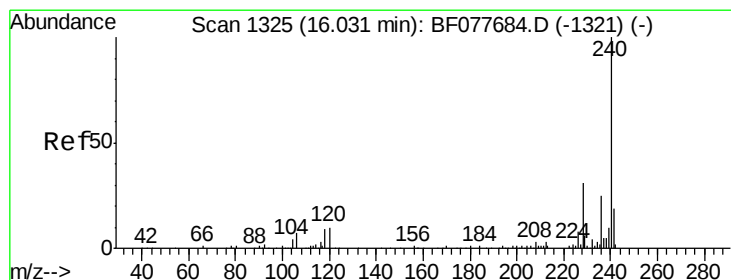
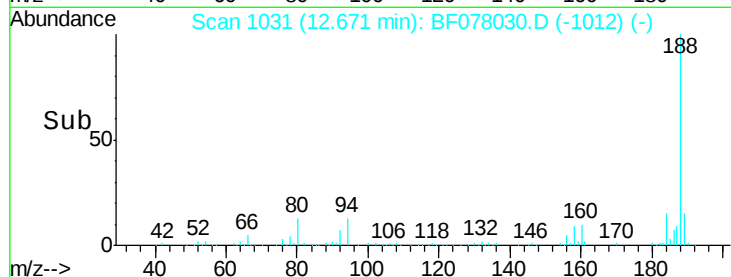
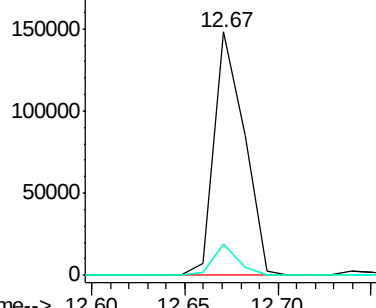
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.67 min Scan# 1031
Delta R.T. -0.08 min
Lab File: BF078030.D
Acq: 27 Mar 2015 9:20

Instrument :
BNA_F
ClientSampleId :
MW-31

Tgt Ion:188 Resp: 167075
Ion Ratio Lower Upper
188 100
94 12.6 8.7 13.1
80 13.0 9.3 13.9

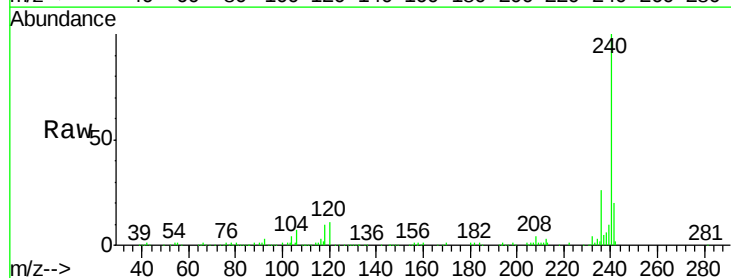


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

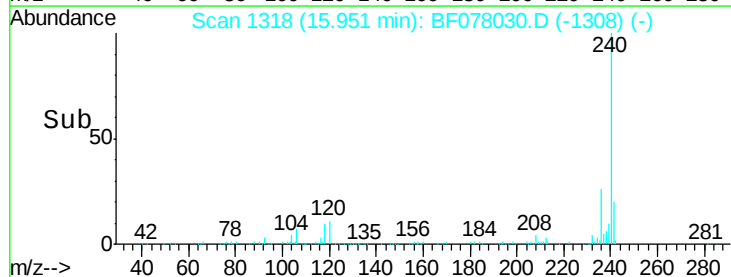
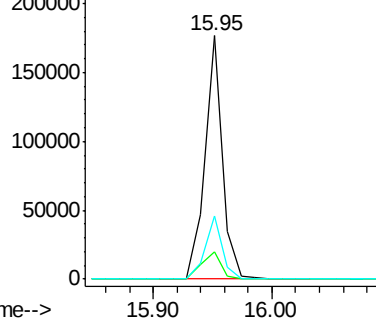


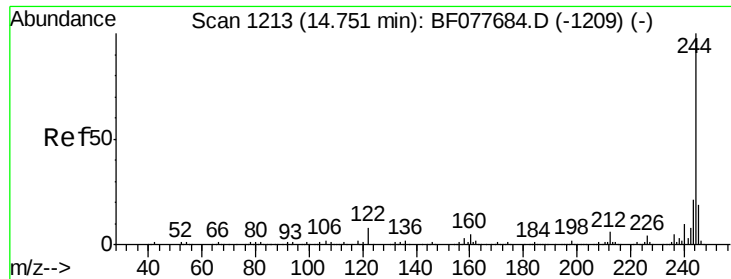
#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.95 min Scan# 1318
Delta R.T. -0.18 min
Lab File: BF078030.D
Acq: 27 Mar 2015 9:20

Tgt Ion:240 Resp: 180343
Ion Ratio Lower Upper
240 100
120 11.2 8.2 12.2
236 26.0 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: 80.14 ng

RT: 14.67 min Scan# 1206

Delta R.T. -0.09 min

Lab File: BF078030.D

Acq: 27 Mar 2015 9:20

Instrument :

BNA_F

ClientSampleId :

MW-31

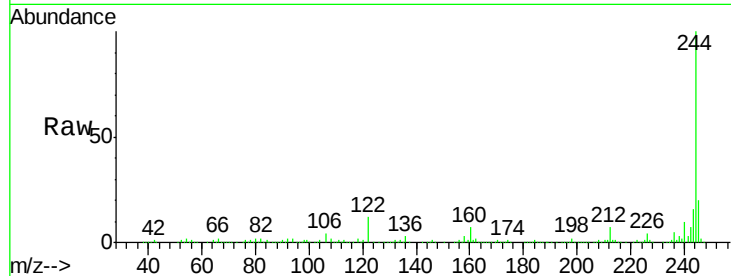
Tgt Ion:244 Resp: 591696

Ion Ratio Lower Upper

244 100

212 6.9 4.9 7.3

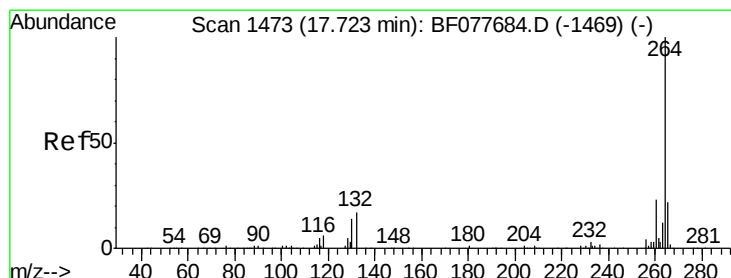
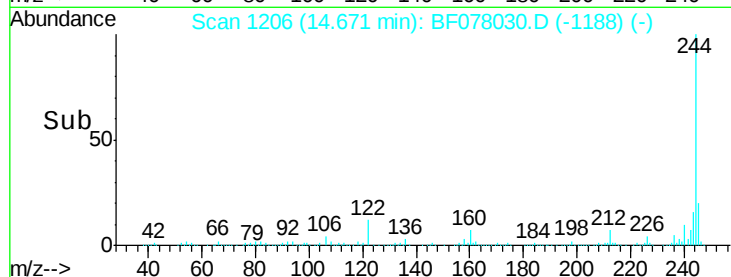
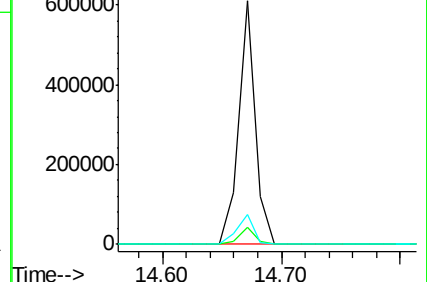
122 12.0 6.2 9.4#



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: 20.00 ng

RT: 17.65 min Scan# 1467

Delta R.T. -0.45 min

Lab File: BF078030.D

Acq: 27 Mar 2015 9:20

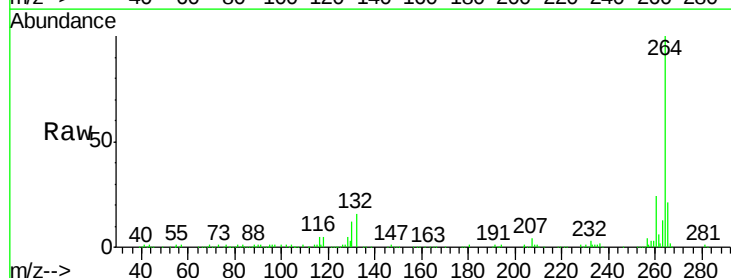
Tgt Ion:264 Resp: 182147

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 21.4 17.3 25.9



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

