

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032515\
 Data File : BF077972.D
 Acq On : 26 Mar 2015 1:08
 Operator : TP/IZ
 Sample : G1643-14
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-13-3-23-15

Quant Time: Mar 26 03:03:40 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	42450	20.00	ng	0.00
21) Naphthalene-d8	8.67	136	175535	20.00	ng	0.00
38) Acenaphthene-d10	10.84	164	91936	20.00	ng	0.00
63) Phenanthrene-d10	12.67	188	172398	20.00	ng	-0.01
75) Chrysene-d12	15.95	240	192323	20.00	ng	-0.02
86) Perylene-d12	17.63	264	189803	20.00	ng	-0.11

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	137236	56.43	ng	0.00
7) Phenol-d6	6.69	99	110966	36.93	ng	0.02
23) Nitrobenzene-d5	7.79	82	214760	80.20	ng	0.00
41) 2,4,6-Tribromophenol	11.83	330	95282	108.32	ng	0.00
44) 2-Fluorobiphenyl	10.03	172	455032	72.74	ng	0.01
78) Terphenyl-d14	14.67	244	559284	71.03	ng	0.00

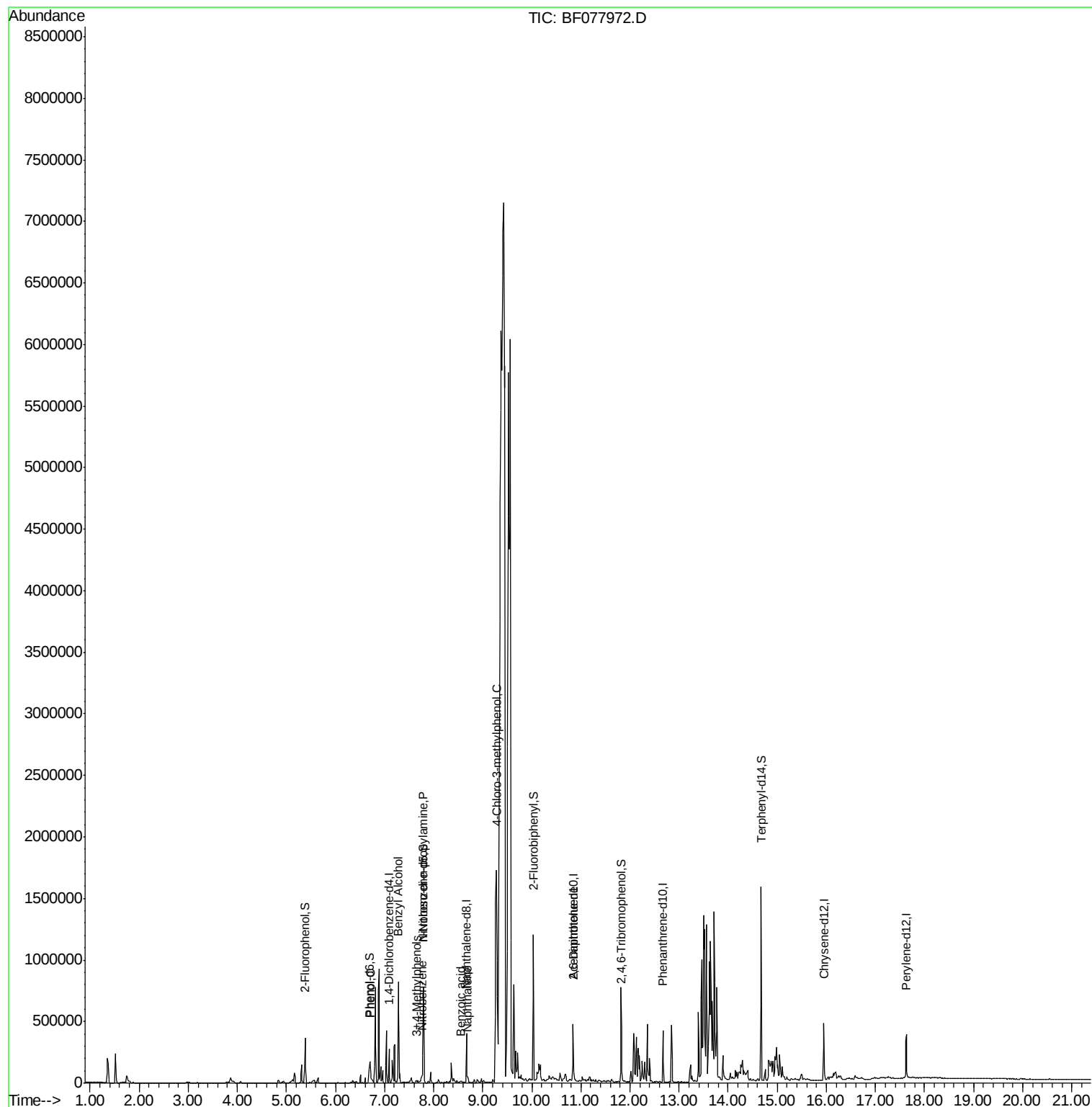
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.70	94	8351	2.35	ng	# 67
15) Benzyl Alcohol	7.28	79	6616	2.82	ng	# 75
19) n-Nitroso-di-n-propylamine	7.79	70	27102	13.04	ng	# 85
20) 3+4-Methylphenols	7.64	107	11722	3.79	ng	91
24) Nitrobenzene	7.77	77	12402	4.30	ng	# 50
31) Naphthalene	8.69	128	24520	2.72	ng	98
32) Benzoic acid	8.54	122	3752	5.54	ng	88
36) 4-Chloro-3-methylphenol	9.28	107	340487	137.97	ng	# 14
50) 2,6-Dinitrotoluene	10.84	165	11796	8.35	ng	# 28

(#) = 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. 0.00 min

Lab File: BF077972.D

Acq: 26 Mar 2015 1:08

Instrument :

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ClientSampleId :

MW-13-3-23-15

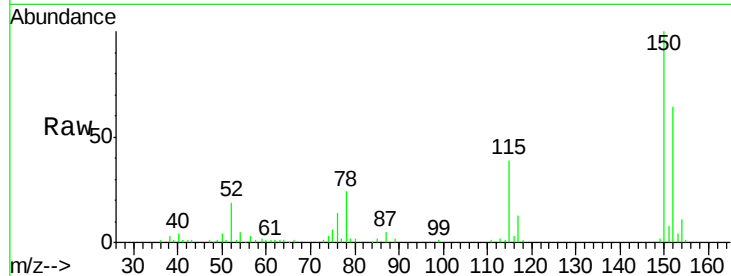
Tgt Ion:152 Resp: 42450

Ion Ratio Lower Upper

152 100

150 156.5 119.5 179.3

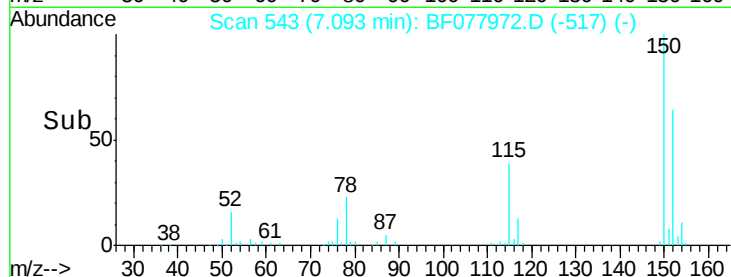
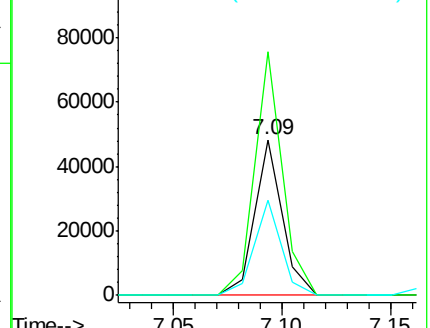
115 61.1 43.0 64.4



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: 56.43 ng

RT: 5.38 min Scan# 393

Delta R.T. 0.00 min

Lab File: BF077972.D

Acq: 26 Mar 2015 1:08

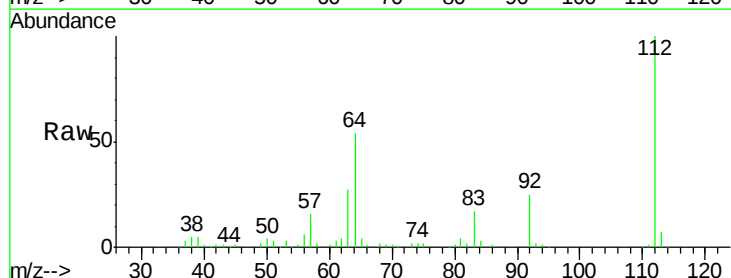
Tgt Ion:112 Resp: 137236

Ion Ratio Lower Upper

112 100

64 54.1 38.6 57.8

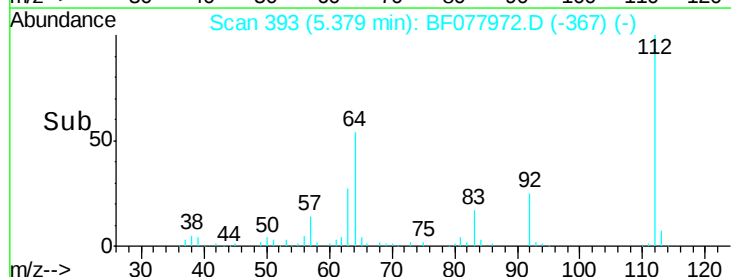
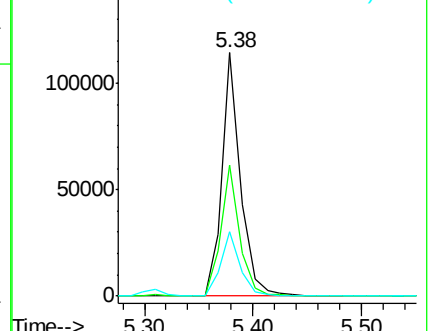
63 26.6 19.3 28.9

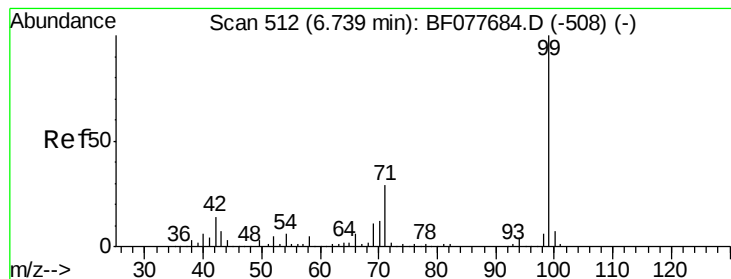


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.93 ng

RT: 6.69 min Scan# 508

Delta R.T. 0.02 min

Lab File: BF077972.D

Acq: 26 Mar 2015 1:08

Instrument :

BNA_F

ClientSampleId :

MW-13-3-23-15

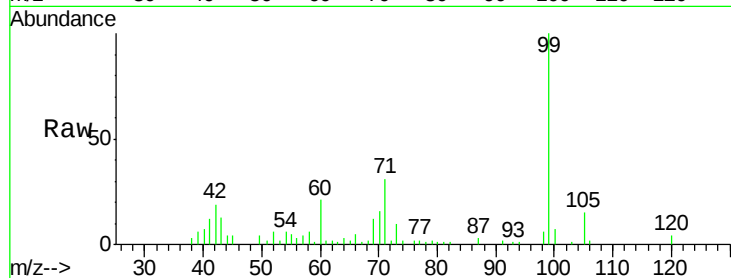
Tgt Ion: 99 Resp: 110966

Ion Ratio Lower Upper

99 100

42 19.1 11.0 16.4#

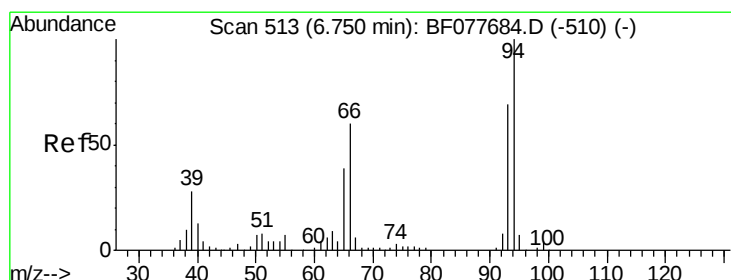
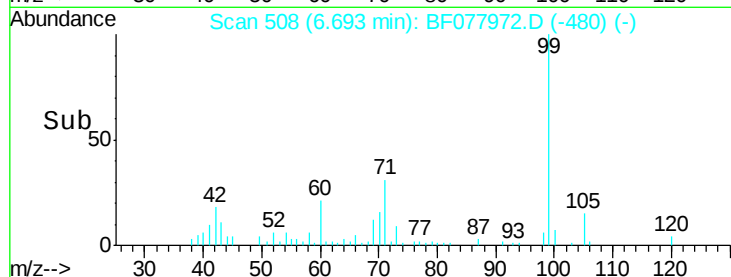
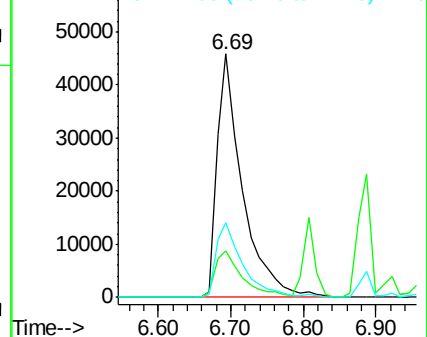
71 30.5 23.4 35.2



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



#10

Phenol

Concen: 2.35 ng

RT: 6.70 min Scan# 509

Delta R.T. 0.01 min

Lab File: BF077972.D

Acq: 26 Mar 2015 1:08

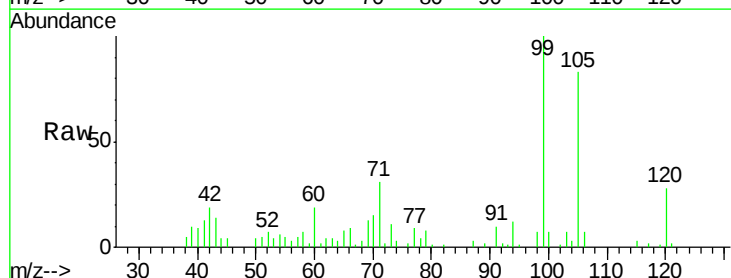
Tgt Ion: 94 Resp: 8351

Ion Ratio Lower Upper

94 100

65 72.2 18.8 58.8#

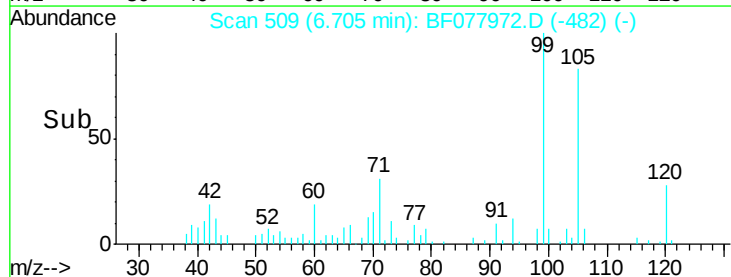
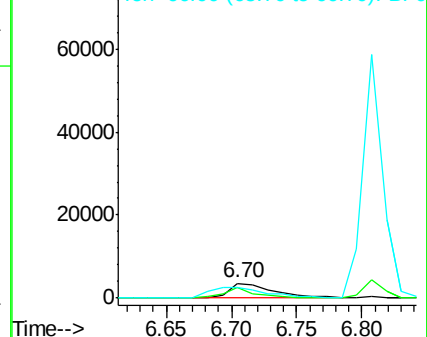
66 74.4 39.9 79.9

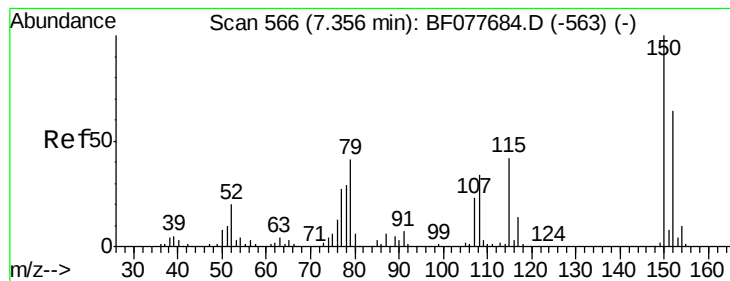


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.82 ng

RT: 7.28 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF077972.D

Acq: 26 Mar 2015 1:08

Instrument :

BNA_F

ClientSampleId :

MW-13-3-23-15

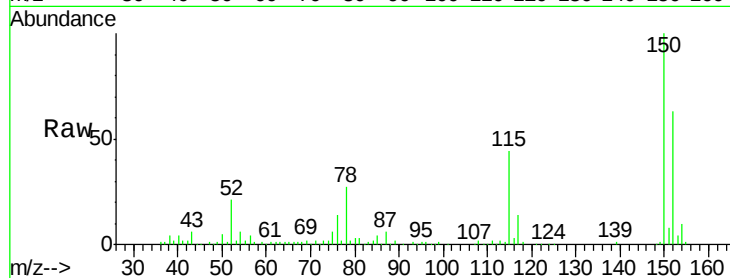
Tgt Ion: 79 Resp: 6616

Ion Ratio Lower Upper

79 100

108 94.6 65.0 97.4

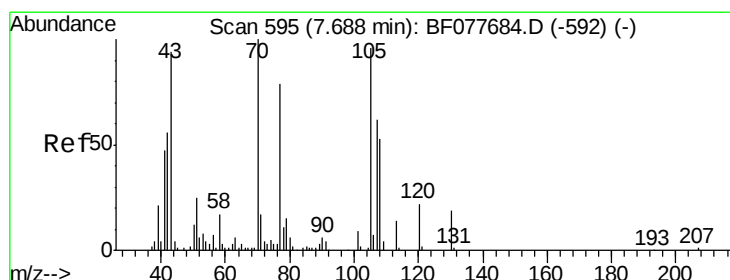
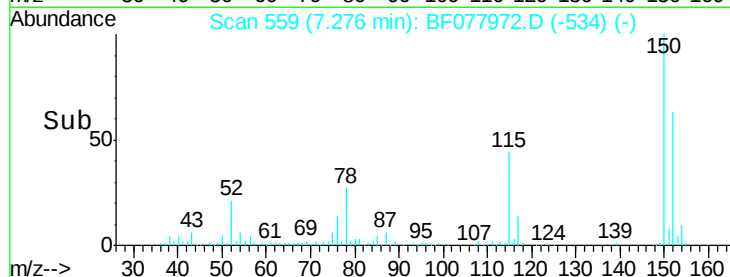
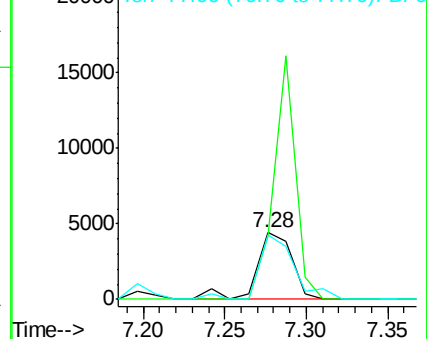
77 95.7 53.0 79.6#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.04 ng

RT: 7.79 min Scan# 604

Delta R.T. 0.17 min

Lab File: BF077972.D

Acq: 26 Mar 2015 1:08

Tgt Ion: 70 Resp: 27102

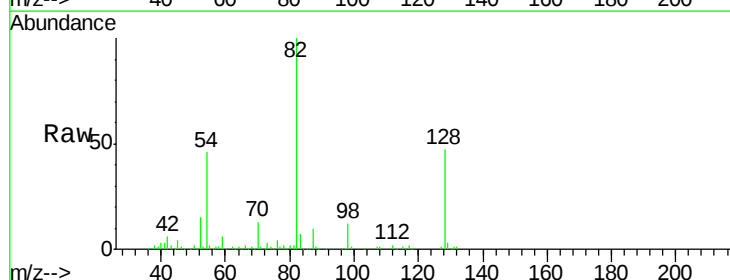
Ion Ratio Lower Upper

70 100

42 51.1 44.5 66.7

101 0.0 7.4 11.2#

130 3.8 15.3 22.9#

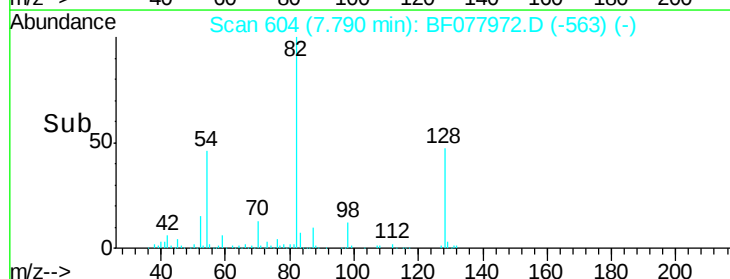
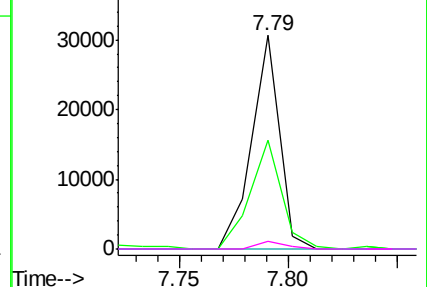


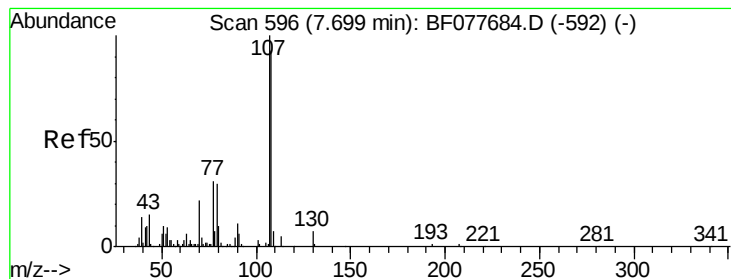
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#20

3+4-Methylphenols

Concen: 3.79 ng

RT: 7.64 min Scan# 591

Delta R.T. 0.01 min

Lab File: BF077972.D

Acq: 26 Mar 2015 1:08

Instrument :

BNA_F

ClientSampleId :

MW-13-3-23-15

Tgt Ion:107 Resp: 11722

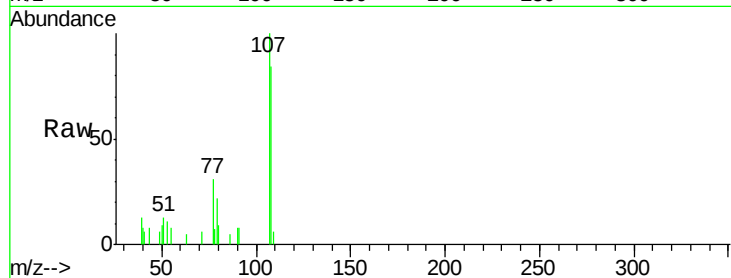
Ion Ratio Lower Upper

107 100

108 83.8 73.2 113.2

77 30.6 10.7 50.7

79 22.0 9.6 49.6

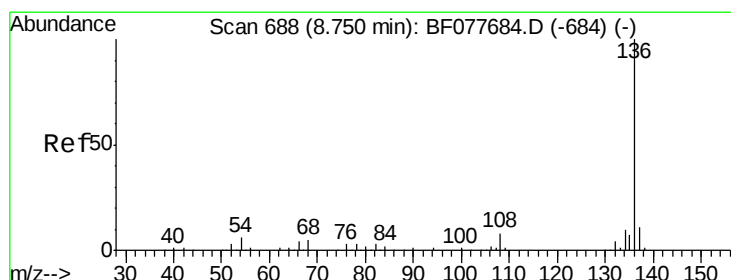
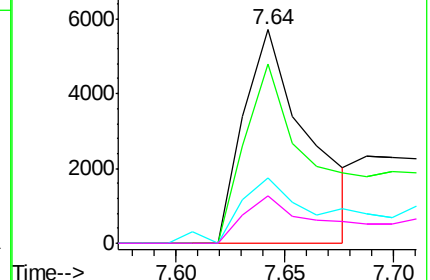
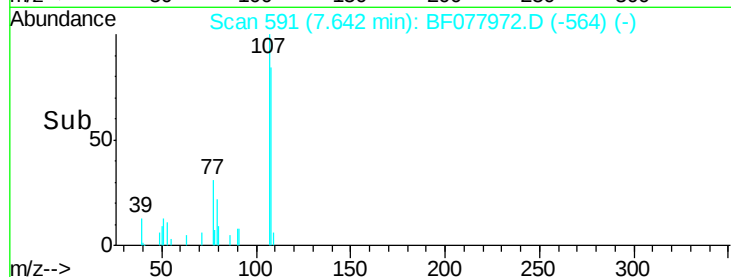


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.67 min Scan# 681

Delta R.T. 0.00 min

Lab File: BF077972.D

Acq: 26 Mar 2015 1:08

Tgt Ion:136 Resp: 175535

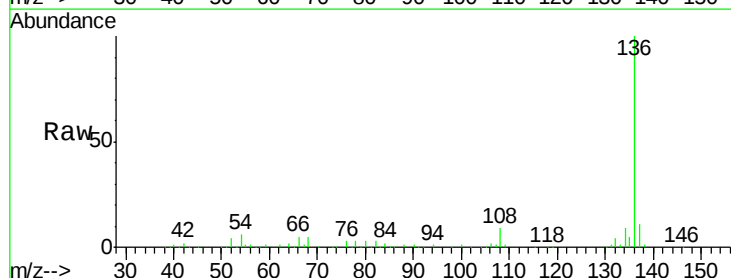
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 6.5 4.6 6.8

68 5.3 3.7 5.5

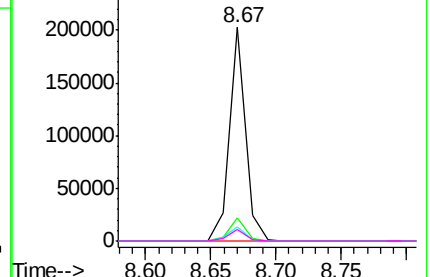
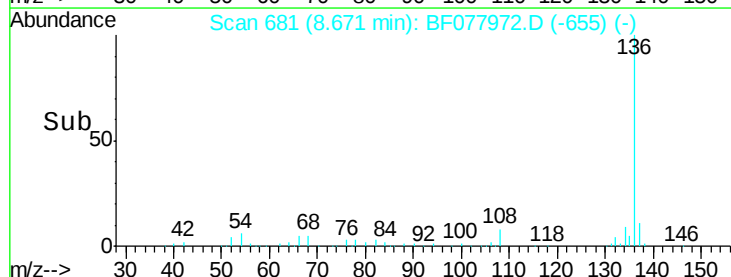


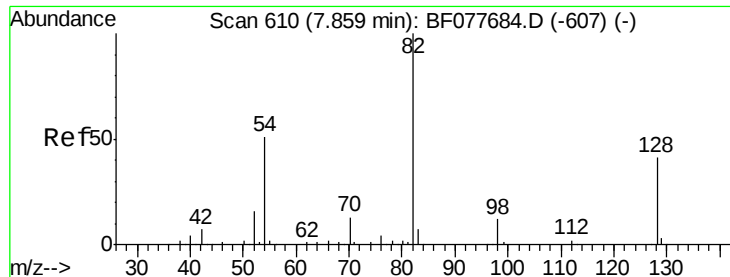
Abundance Ion 136.00 (135.70 to 136.70): E

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

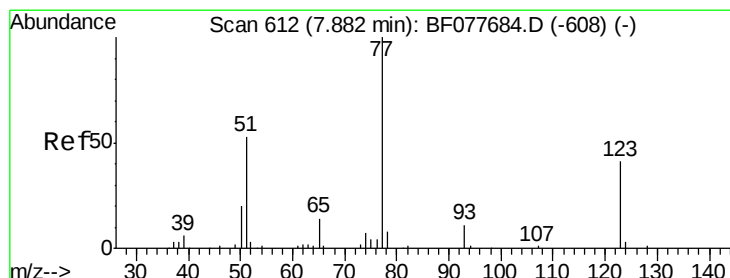
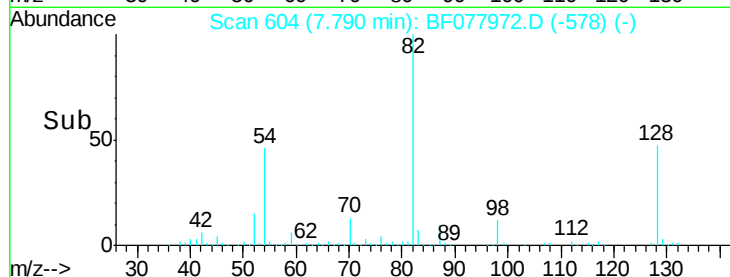
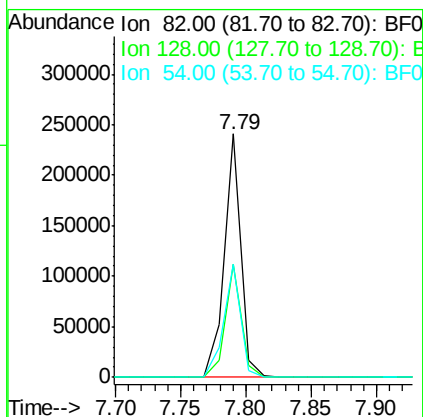
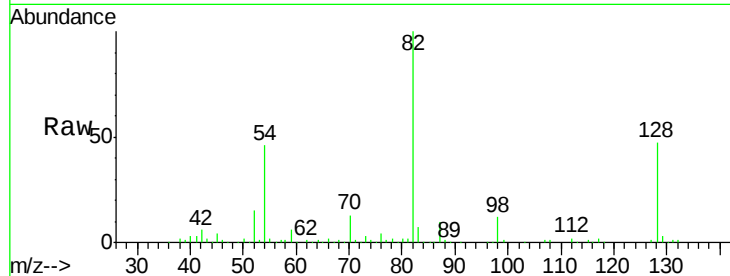




#23
 Nitrobenzene-d5
 Concen: 80.20 ng
 RT: 7.79 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: BF077972.D
 Acq: 26 Mar 2015 1:08

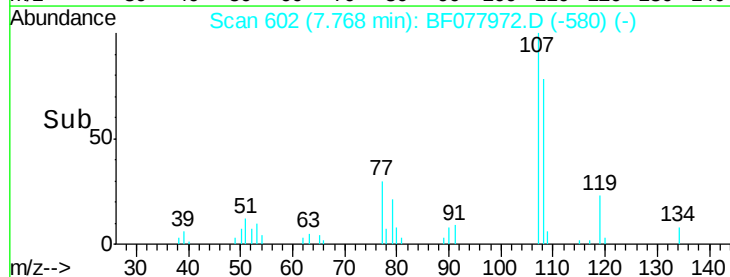
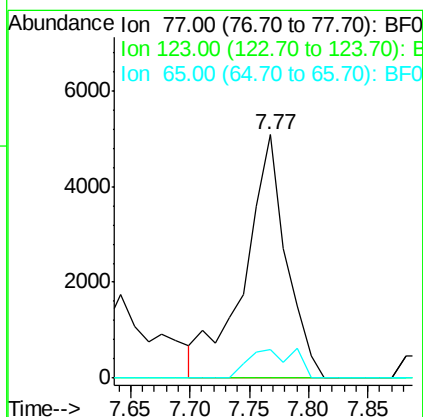
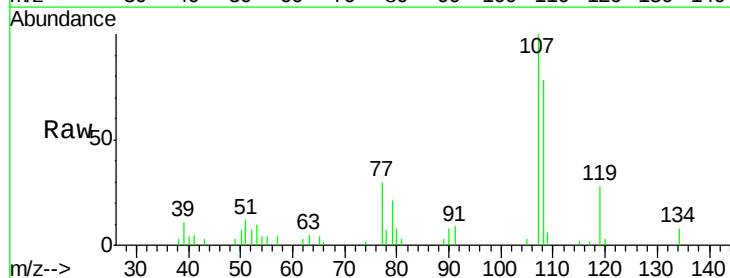
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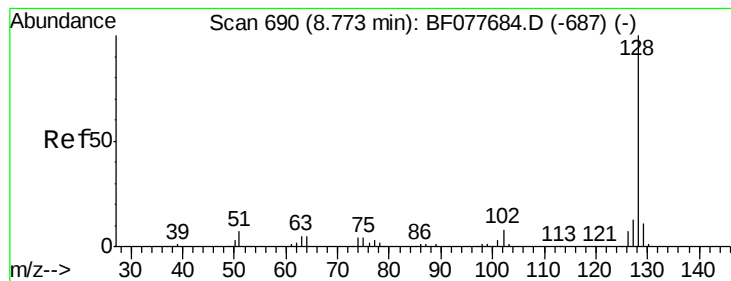
Tgt Ion: 82 Resp: 214760
 Ion Ratio Lower Upper
 82 100
 128 46.7 32.8 49.2
 54 46.2 40.6 60.8



#24
 Nitrobenzene
 Concen: 4.30 ng
 RT: 7.77 min Scan# 602
 Delta R.T. -0.05 min
 Lab File: BF077972.D
 Acq: 26 Mar 2015 1:08

Tgt Ion: 77 Resp: 12402
 Ion Ratio Lower Upper
 77 100
 123 0.0 32.6 49.0#
 65 11.5 10.9 16.3





#31

Naphthalene

Concen: 2.72 ng

RT: 8.69 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF077972.D

Acq: 26 Mar 2015 1:08

Instrument :

BNA_F

ClientSampleId :

MW-13-3-23-15

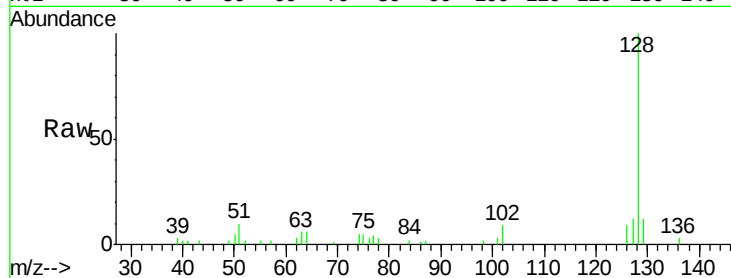
Tgt Ion:128 Resp: 24520

Ion Ratio Lower Upper

128 100

129 12.3 8.9 13.3

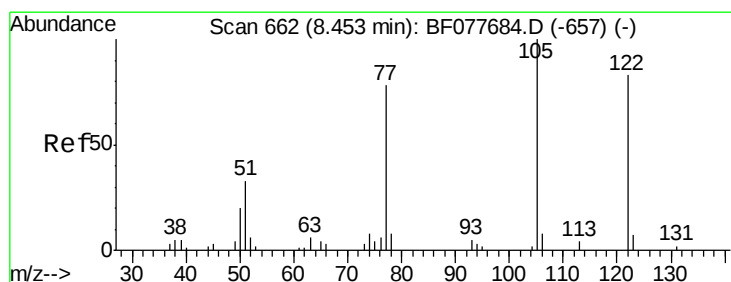
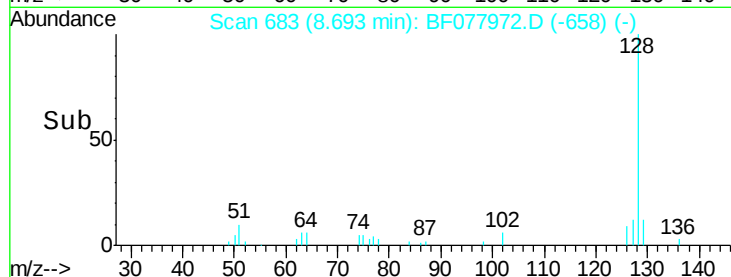
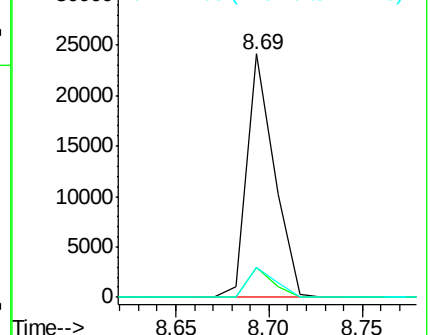
127 12.4 10.4 15.6



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



#32

Benzoic acid

Concen: 5.54 ng

RT: 8.54 min Scan# 670

Delta R.T. 0.14 min

Lab File: BF077972.D

Acq: 26 Mar 2015 1:08

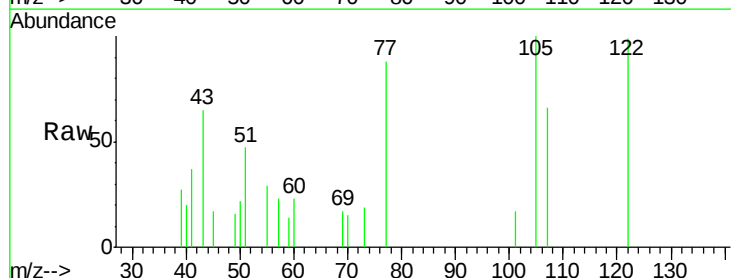
Tgt Ion:122 Resp: 3752

Ion Ratio Lower Upper

122 100

105 101.2 99.9 139.9

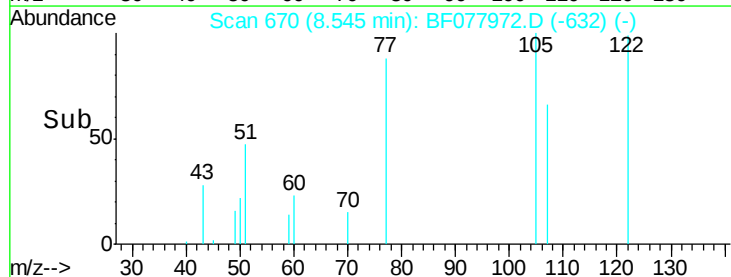
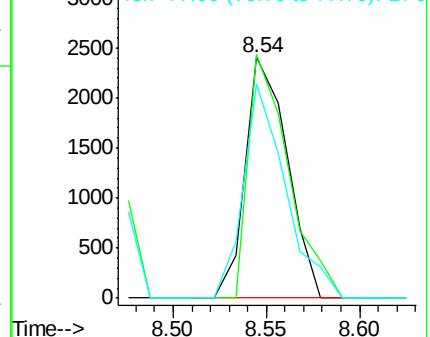
77 89.1 73.7 113.7

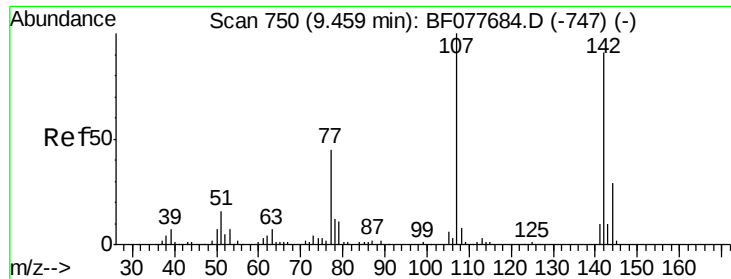


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

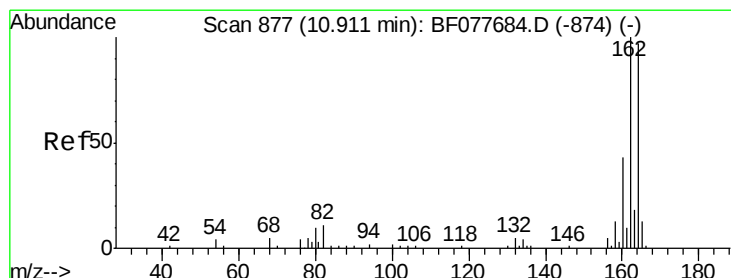
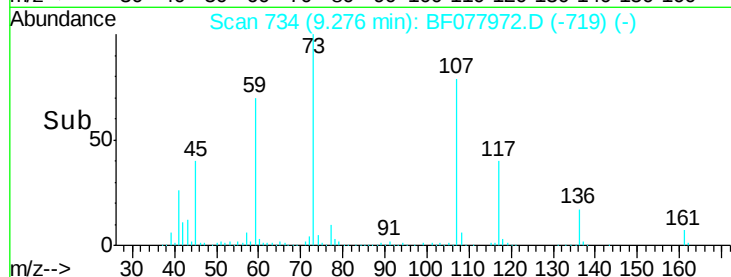
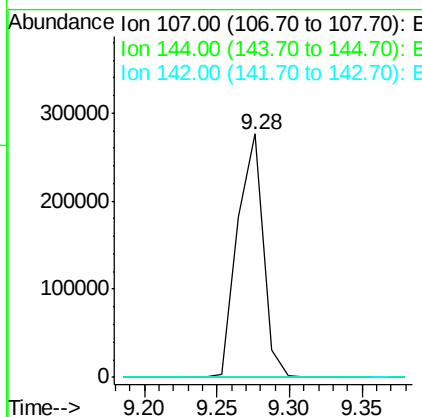
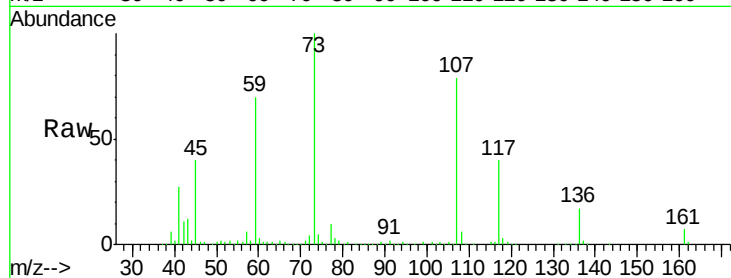




#36
 4-Chloro-3-methylphenol
 Concen: 137.97 ng
 RT: 9.28 min Scan# 734
 Delta R.T. -0.13 min
 Lab File: BF077972.D
 Acq: 26 Mar 2015 1:08

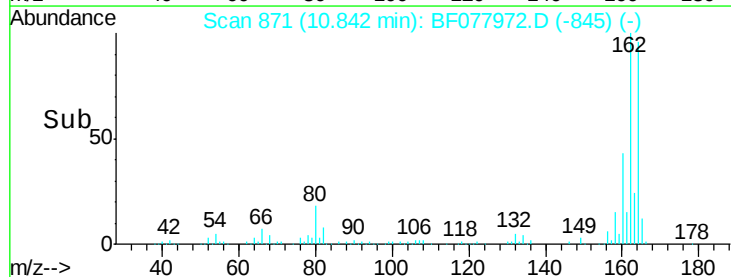
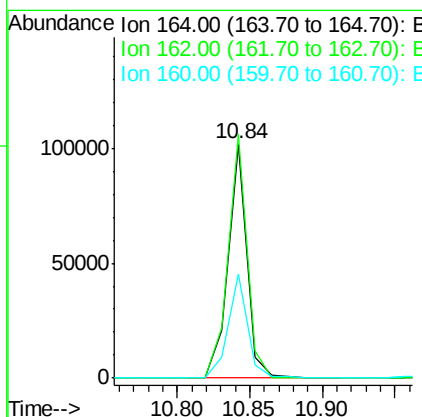
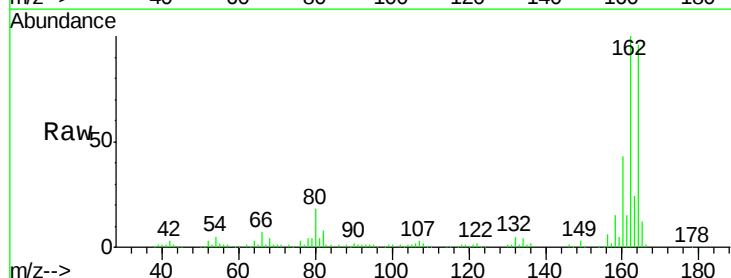
Instrument :
 BNA_F
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 MW-13-3-23-15

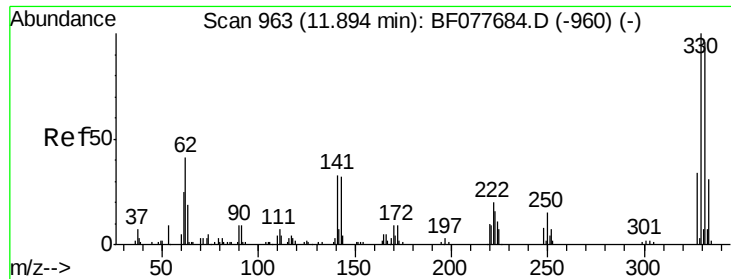
Tgt Ion:107 Resp: 340487
 Ion Ratio Lower Upper
 107 100
 144 0.0 23.3 34.9#
 142 0.0 72.6 109.0#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.84 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: BF077972.D
 Acq: 26 Mar 2015 1:08

Tgt Ion:164 Resp: 91936
 Ion Ratio Lower Upper
 164 100
 162 104.2 82.4 123.6
 160 44.4 35.8 53.6

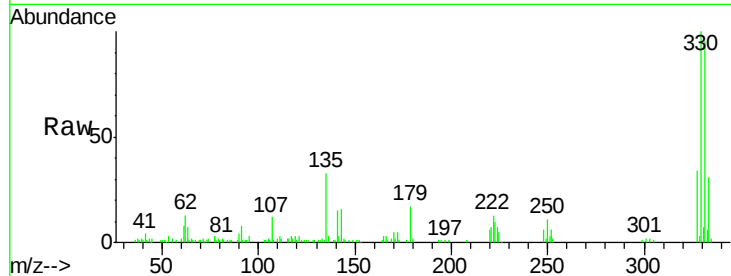




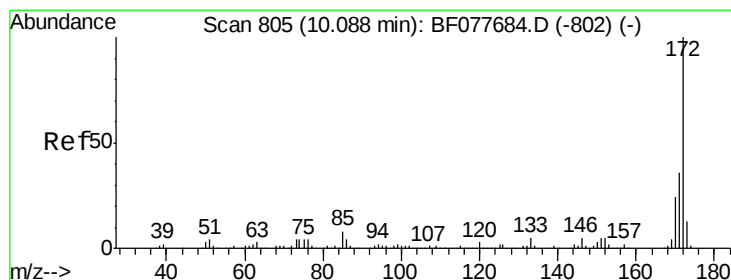
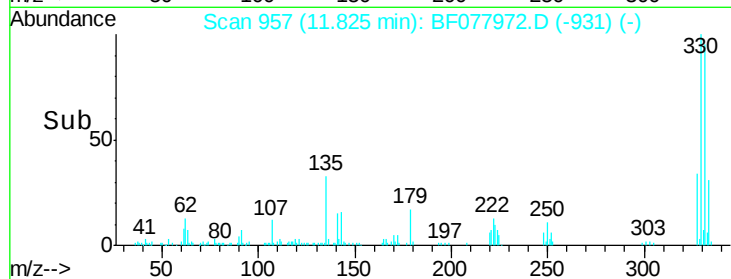
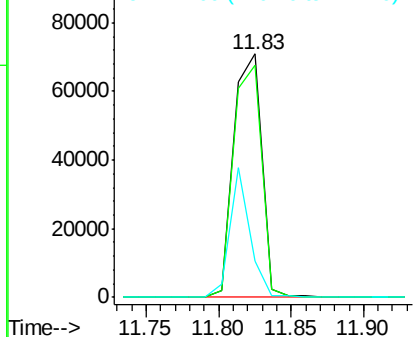
#41
 2,4,6-Tribromophenol
 Concen: 108.32 ng
 RT: 11.83 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: BF077972.D
 Acq: 26 Mar 2015 1:08

Instrument :
 BNA_F
 ClientSampleId :
 MW-13-3-23-15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	0.0	0.0#
141	38.5	0.0	0.0#

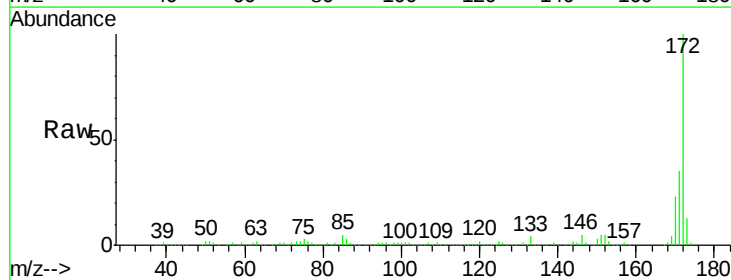


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

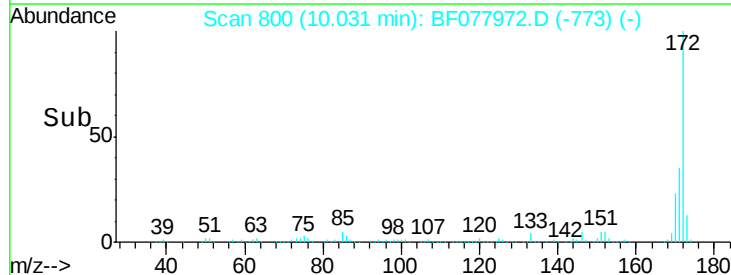
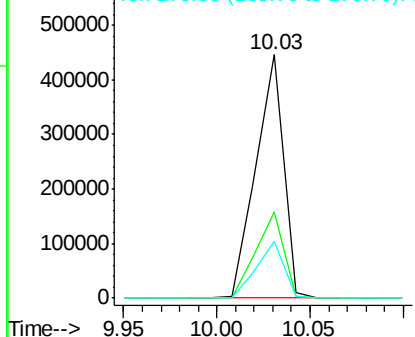


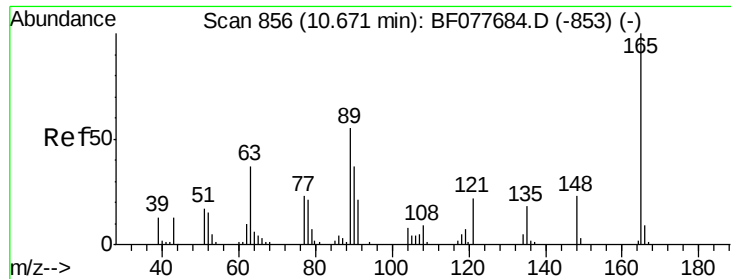
#44
 2-Fluorobiphenyl
 Concen: 72.74 ng
 RT: 10.03 min Scan# 800
 Delta R.T. 0.01 min
 Lab File: BF077972.D
 Acq: 26 Mar 2015 1:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.5	42.7
170	23.5	18.8	28.2



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

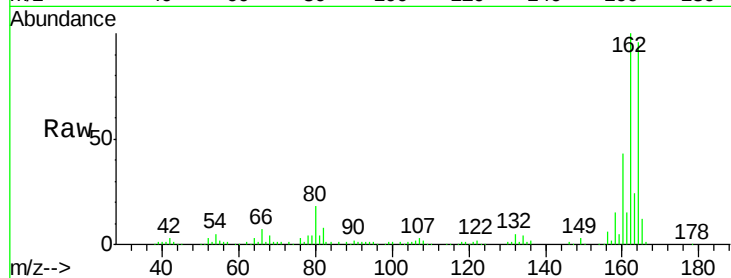




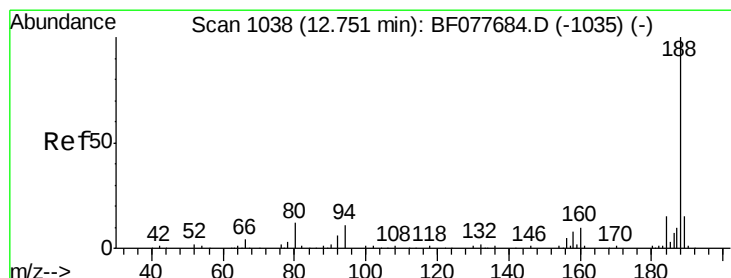
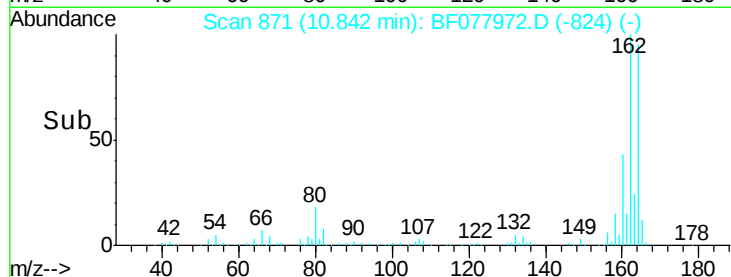
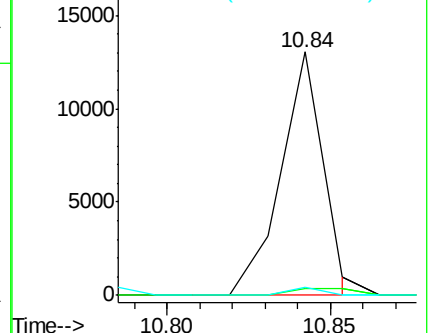
#50
 2,6-Dinitrotoluene
 Concen: 8.35 ng
 RT: 10.84 min Scan# 871
 Delta R.T. 0.24 min
 Lab File: BF077972.D
 Acq: 26 Mar 2015 1:08

Instrument :
 BNA_F
 ClientSampleId :
 MW-13-3-23-15

Tgt Ion:165 Resp: 11796
 Ion Ratio Lower Upper
 165 100
 63 2.9 44.1 66.1#
 89 3.3 44.3 66.5#

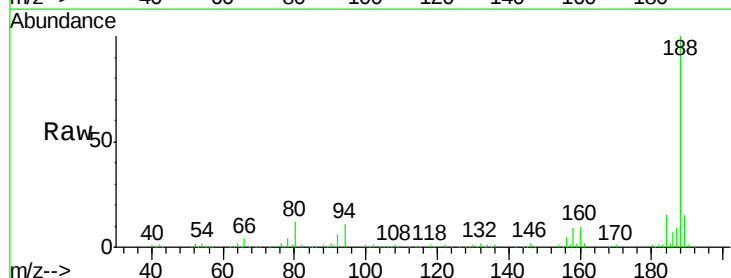


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

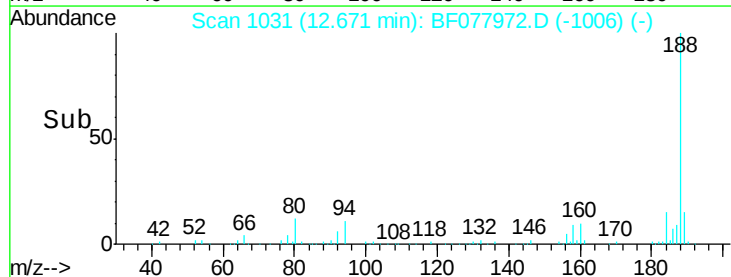
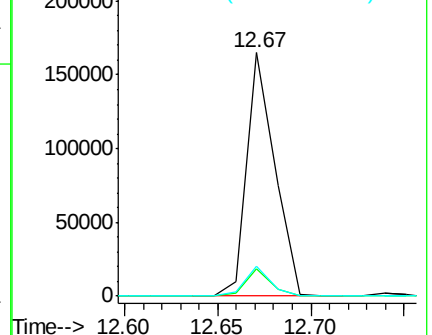


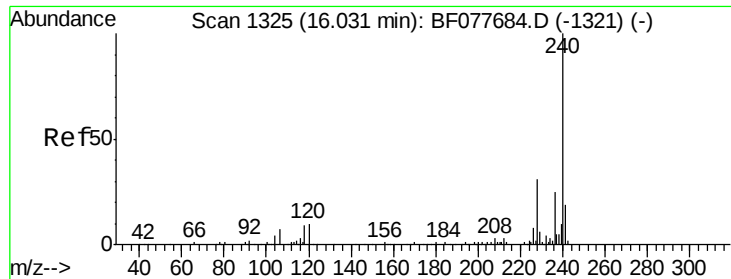
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.67 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: BF077972.D
 Acq: 26 Mar 2015 1:08

Tgt Ion:188 Resp: 172398
 Ion Ratio Lower Upper
 188 100
 94 11.1 8.7 13.1
 80 12.2 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

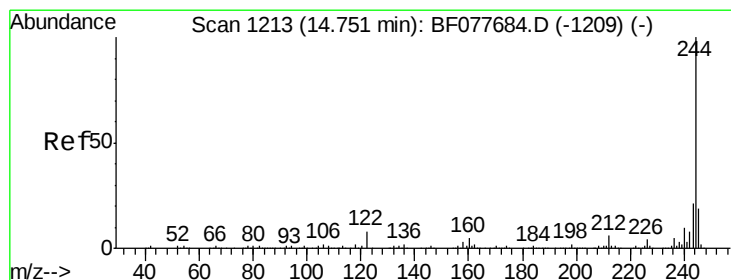
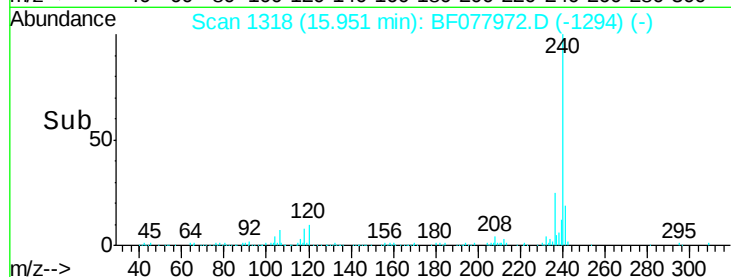
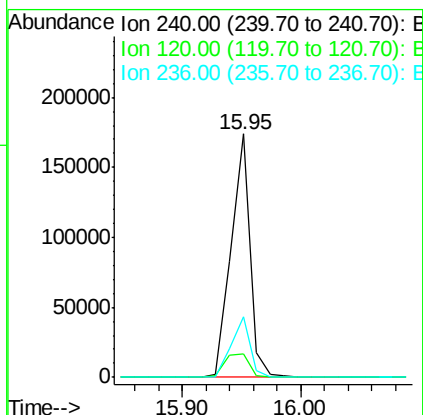
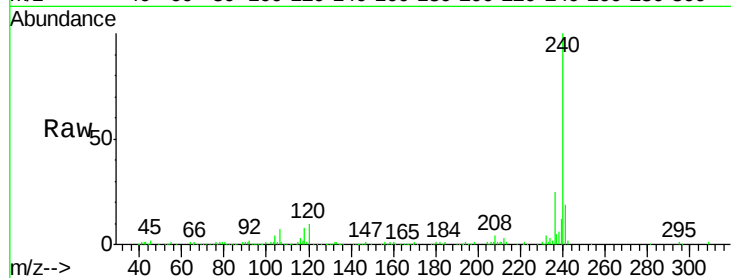




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.95 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: BF077972.D
 Acq: 26 Mar 2015 1:08

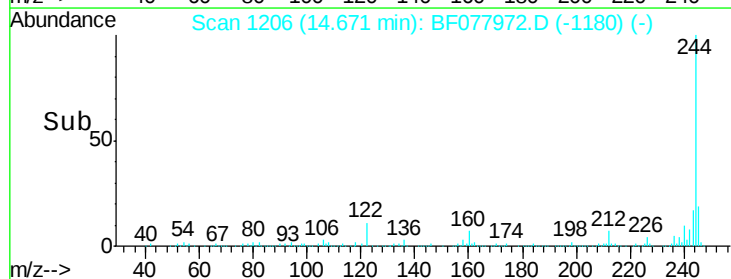
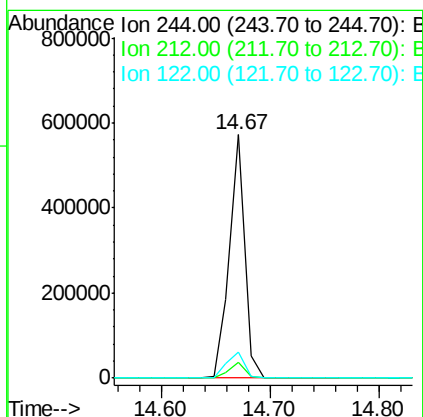
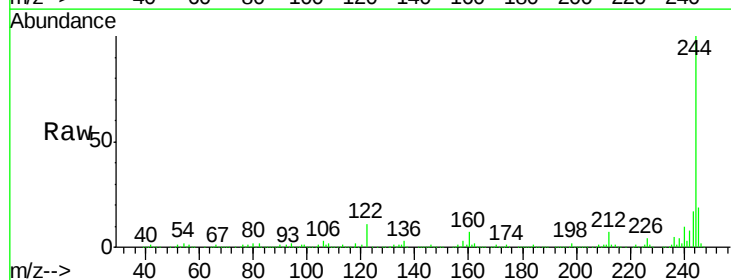
Instrument :
 BNA_F
 ClientSampleId :
 MW-13-3-23-15

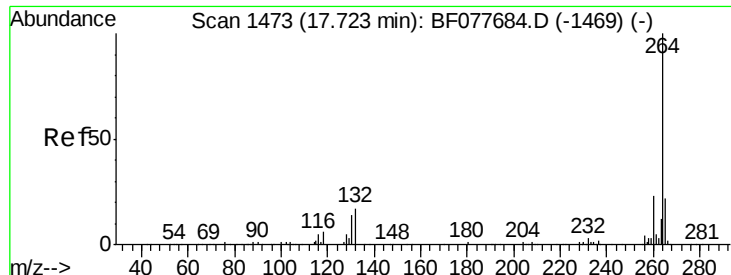
Tgt Ion:240 Resp: 192323
 Ion Ratio Lower Upper
 240 100
 120 9.6 8.2 12.2
 236 25.0 20.0 30.0



#78
 Terphenyl-d14
 Concen: 71.03 ng
 RT: 14.67 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: BF077972.D
 Acq: 26 Mar 2015 1:08

Tgt Ion:244 Resp: 559284
 Ion Ratio Lower Upper
 244 100
 212 6.6 4.9 7.3
 122 10.6 6.2 9.4#

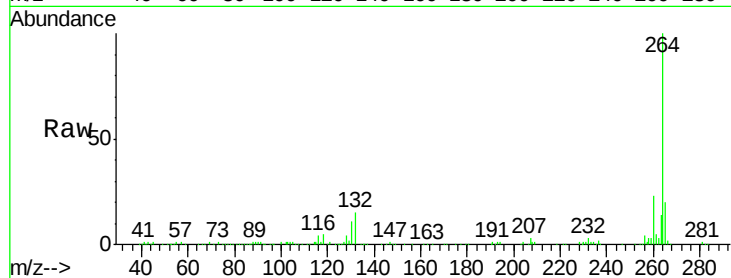




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.63 min Scan# 1465
Delta R.T. -0.11 min
Lab File: BF077972.D
Acq: 26 Mar 2015 1:08

Instrument :
BNA_F
ClientSampleId :
MW-13-3-23-15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	27.8
265	20.3	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

