

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
 Data File : BF083750.D
 Acq On : 14 Dec 2015 1:00
 Operator : UM/IZ
 Sample : G4759-11
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 02:36:02 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	127751	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	521306	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	242524	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	423764	20.00	ng	-0.02
75) Chrysene-d12	14.05	240	284581	20.00	ng	-0.02
86) Perylene-d12	15.49	264	229283	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	852799	107.69	ng	0.00
7) Phenol-d6	6.54	99	1068844	106.58	ng	0.00
23) Nitrobenzene-d5	7.47	82	721655	77.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	290617	117.60	ng	-0.01
44) 2-Fluorobiphenyl	9.28	172	1093213	60.82	ng	-0.01
78) Terphenyl-d14	13.01	244	947530	71.62	ng	-0.01

Target Compounds						Qvalue
6) Aniline	6.56	93	407	0.03	ng	# 1
8) 2-Chlorophenol	6.70	128	369	0.04	ng	# 77
9) Benzaldehyde	6.68	77	19518	3.62	ng	92
10) Phenol	6.56	94	17034	1.48	ng	# 72
11) bis(2-Chloroethyl)ether	6.68	93	1199	0.14	ng	# 1
15) Benzyl Alcohol	7.07	79	11607	1.58	ng	# 52
17) 2-Methylphenol	7.05	107	214	0.03	ng	# 2
19) n-Nitroso-di-n-propylamine	7.47	70	93479	15.22	ng	# 72
24) Nitrobenzene	7.47	77	1980	0.20	ng	# 42
25) Isophorone	7.47	82	663961	36.32	ng	# 69
31) Naphthalene	8.22	128	691	0.03	ng	# 69
45) 1,1'-Biphenyl	9.28	154	2080	0.10	ng	# 1
47) 2-Nitroaniline	9.66	65	2581	0.57	ng	# 1
48) Acenaphthylene	9.81	152	253	0.01	ng	# 60
49) Dimethylphthalate	9.66	163	275990	14.60	ng	99
50) 2,6-Dinitrotoluene	9.66	165	3031	0.76	ng	# 13
51) Acenaphthene	9.95	154	909	0.06	ng	# 4
56) 2,4-Dinitrotoluene	9.95	165	31548	6.02	ng	# 12
57) Fluorene	10.74	166	14426	0.86	ng	# 94
59) Diethylphthalate	10.37	149	2185	0.11	ng	# 87
62) Azobenzene	10.74	77	1534	0.09	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.74	198	732	0.30	ng	# 30
65) n-Nitrosodiphenylamine	10.74	169	9928	0.69	ng	# 47
66) 4-Bromophenyl-phenylether	10.74	248	21816	4.60	ng	# 1
70) Phenanthrene	11.45	178	1717	0.08	ng	# 77
71) Anthracene	11.50	178	865	0.04	ng	# 60
73) Di-n-butylphthalate	12.00	149	2520	0.10	ng	# 78
74) Fluoranthene	12.64	202	3736	0.16	ng	93
77) Pyrene	12.87	202	3790	0.17	ng	93
80) Benzo(a)anthracene	14.05	228	3227	0.20	ng	# 87
82) Chrysene	14.05	228	3227	0.20	ng	# 85
83) Bis(2-ethylhexyl)phthalate	14.05	149	1234	0.11	ng	# 78
87) Benzo(b)fluoranthene	15.08	252	1513	0.10	ng	# 59
88) Benzo(k)fluoranthene	15.08	252	1513	0.11	ng	# 57

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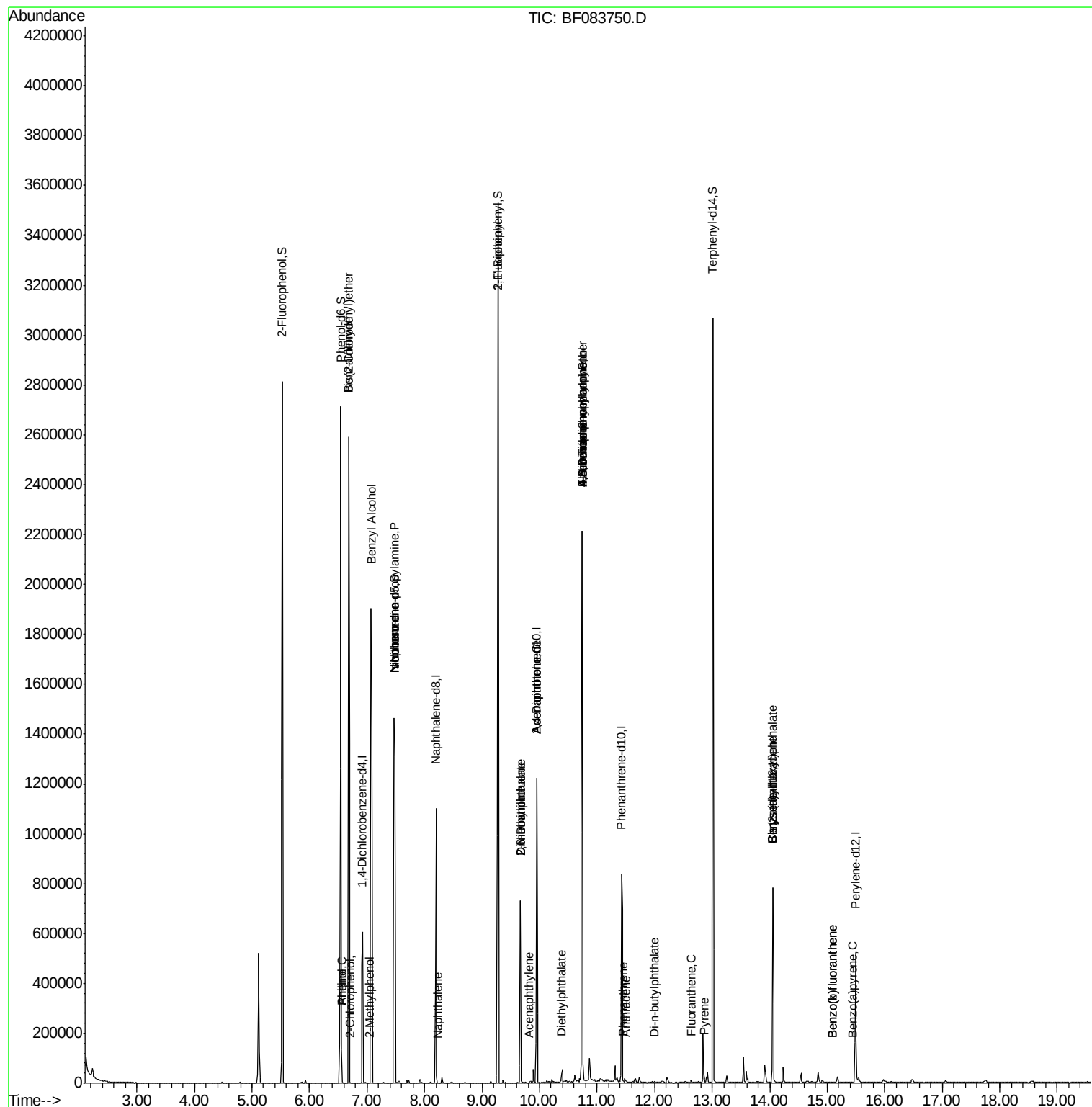
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(a)pyrene	15.44	252	660	0.05	ng	# 59

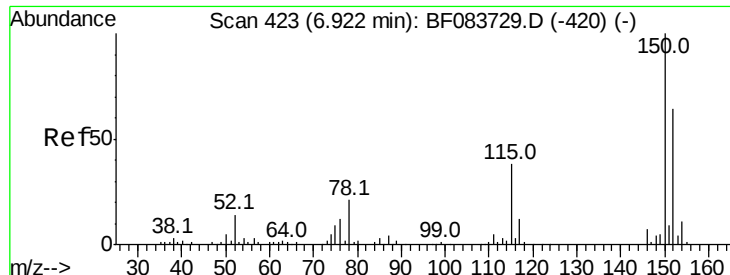
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 14 01:30:12 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

Instrument :

BNA_F

ClientSampleId :

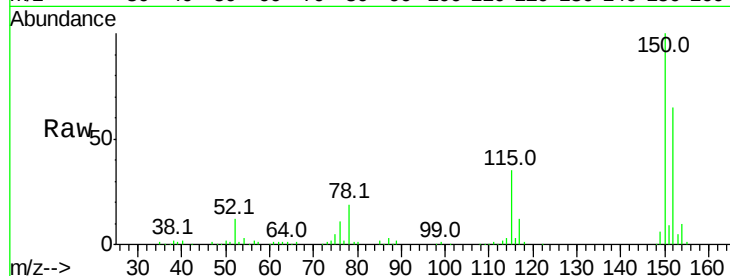
Tot Ion:152 Resp: 127751

Ion Ratio Lower Upper

152 100

150 154.6 126.5 189.7

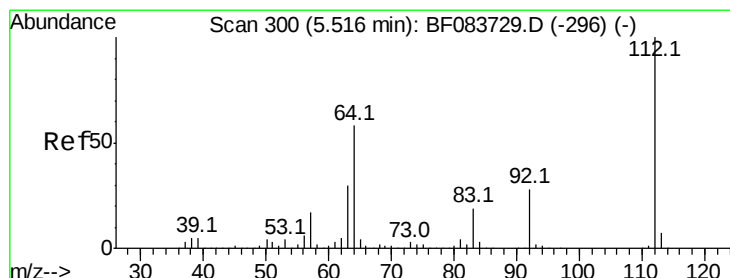
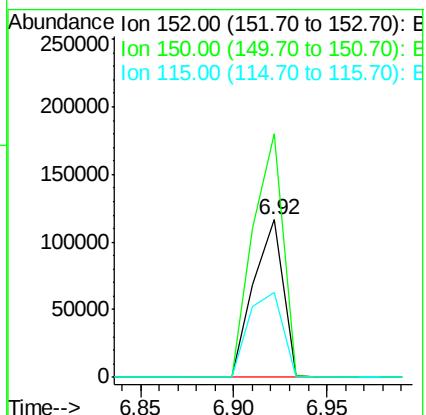
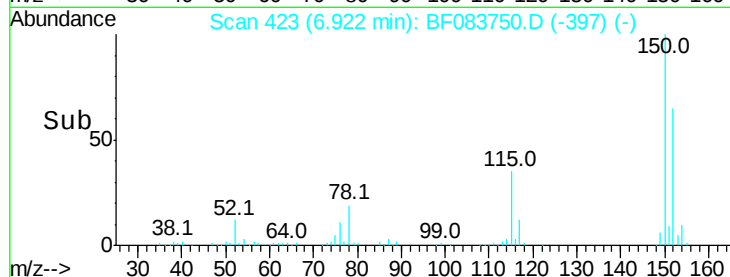
115 54.0 52.3 78.5



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: 107.69 ng

RT: 5.53 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

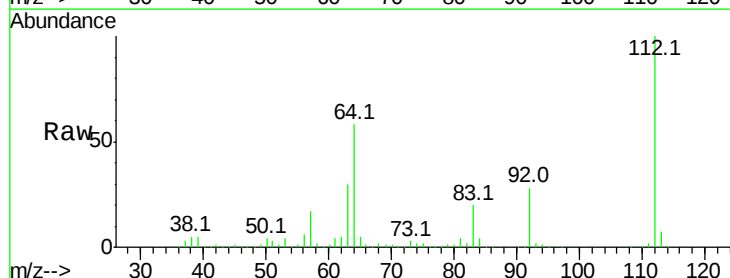
Tgt Ion:112 Resp: 852799

Ion Ratio Lower Upper

112 100

64 57.8 50.5 75.7

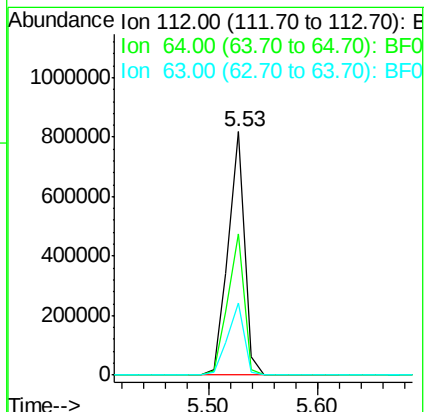
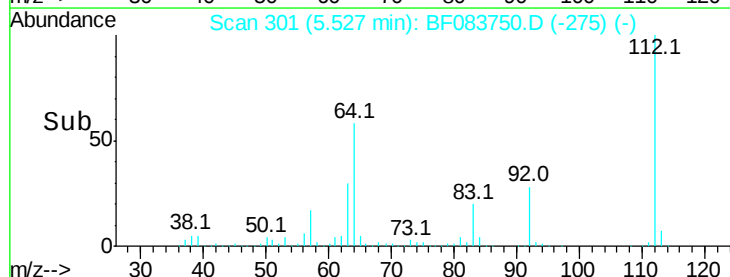
63 29.8 25.8 38.6

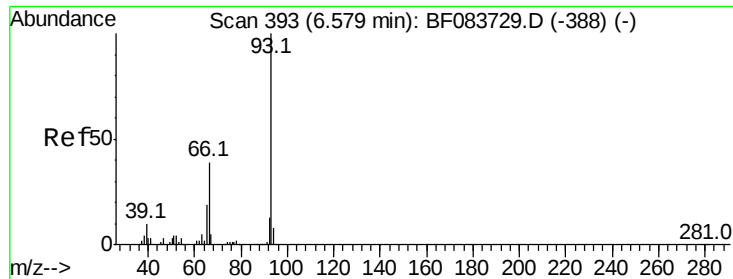


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.03 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.02 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

Instrument :

BNA_F

ClientSampleId :

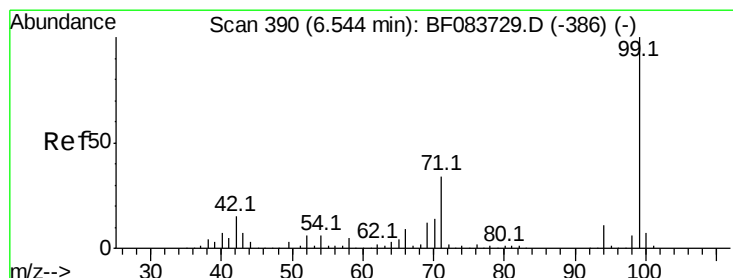
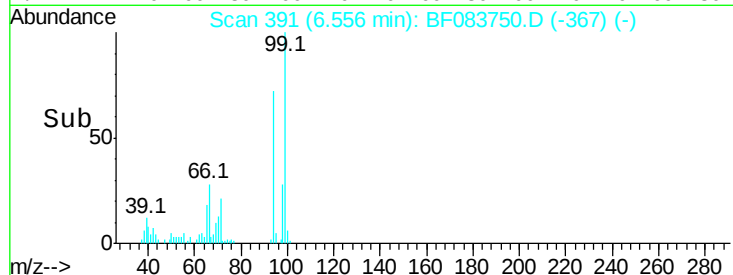
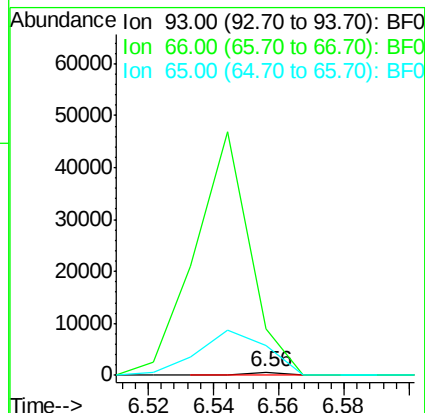
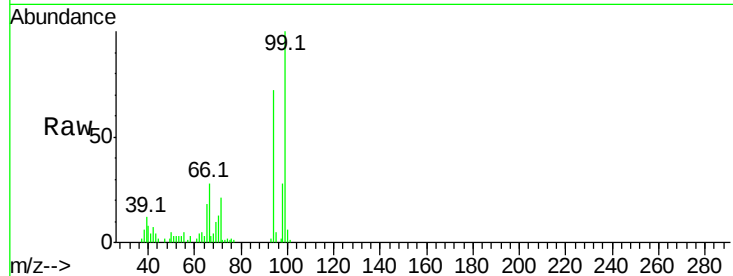
Tot Ion: 93 Resp: 407

Ion Ratio Lower Upper

93 100

66 1520.5 41.3 61.9#

65 975.6 20.8 31.2#



#7

Phenol-d6

Concen: 106.58 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

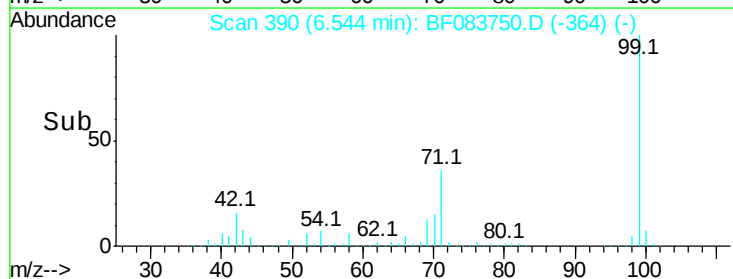
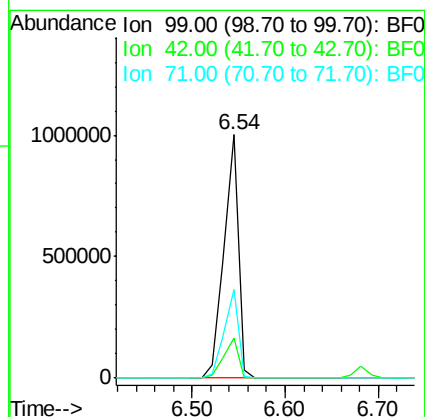
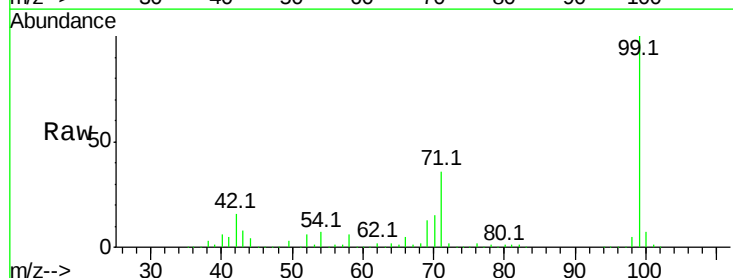
Tgt Ion: 99 Resp: 1068844

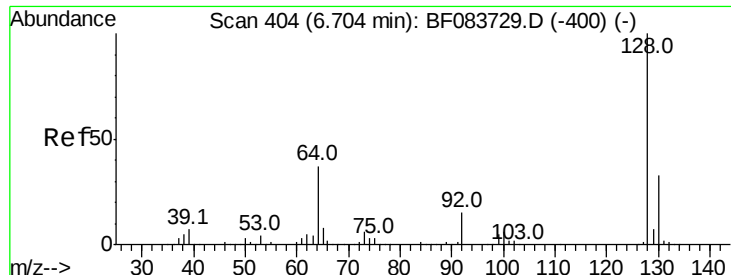
Ion Ratio Lower Upper

99 100

42 16.3 17.3 25.9#

71 36.3 26.6 40.0





#8

2-Chlorophenol

Concen: 0.04 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

Instrument :

BNA_F

ClientSampled :

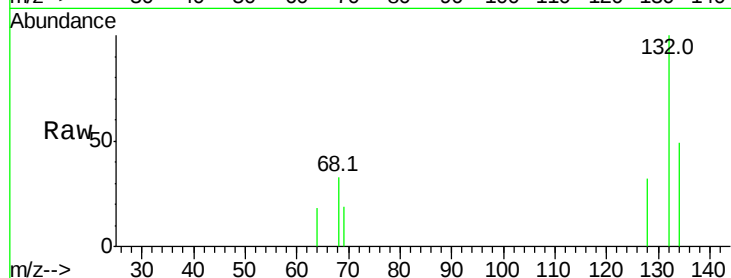
Tot Ion:128 Resp: 369

Ion Ratio Lower Upper

128 100

130 0.0 12.6 52.6#

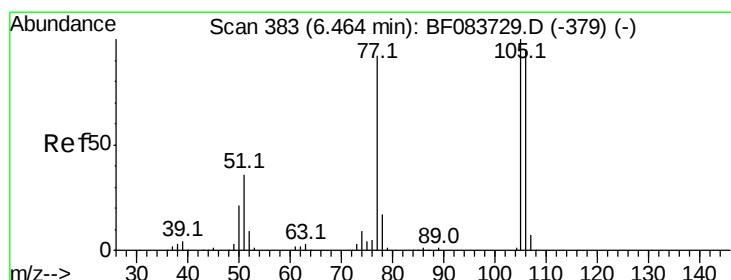
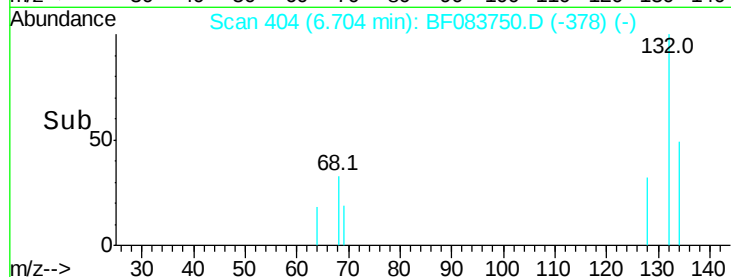
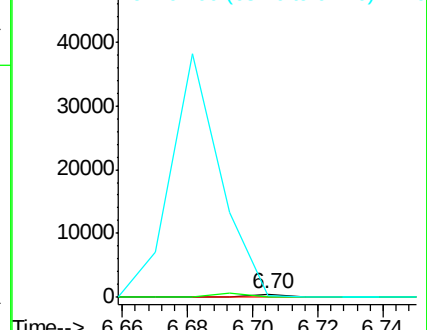
64 55.8 38.6 78.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 3.62 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.22 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

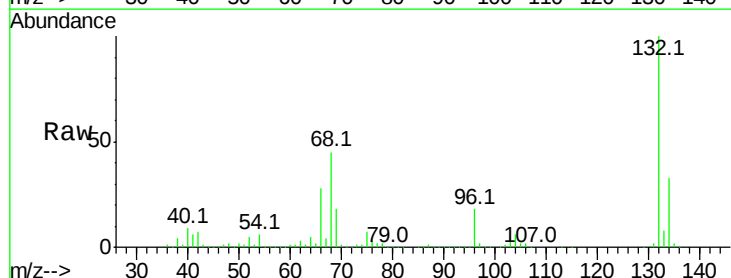
Tgt Ion: 77 Resp: 19518

Ion Ratio Lower Upper

77 100

105 82.4 71.8 111.8

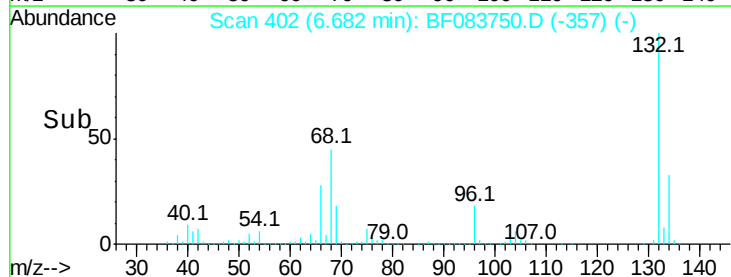
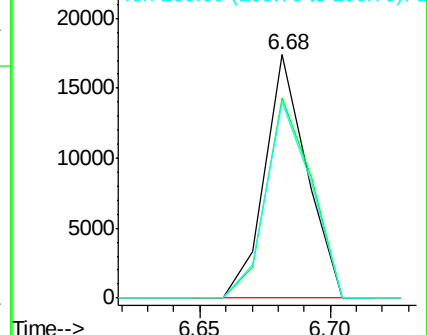
106 80.6 66.8 106.8

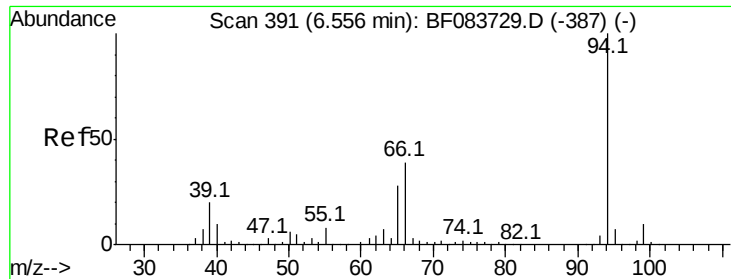


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.48 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

Instrument :

BNA_F

ClientSampled :

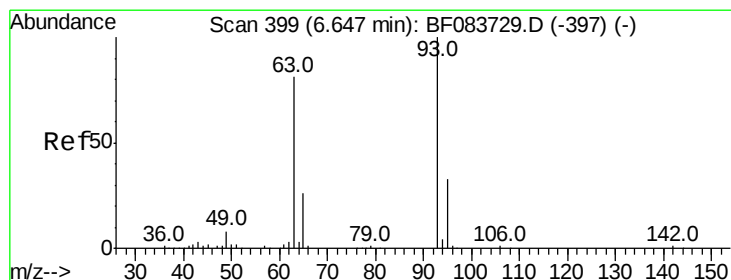
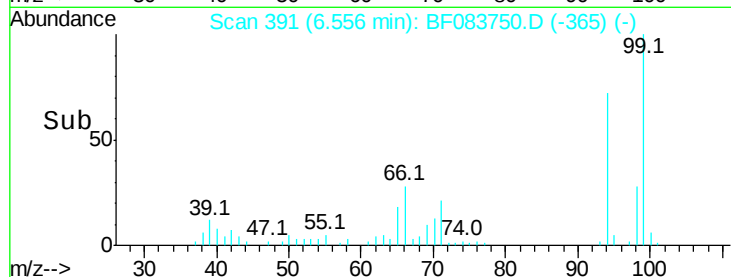
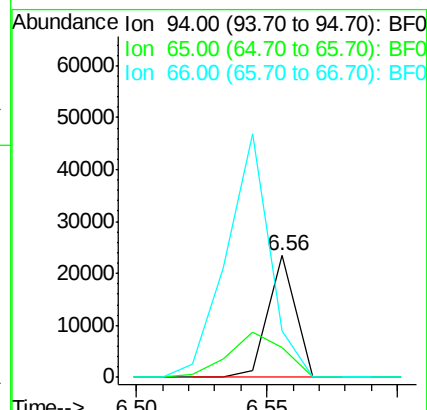
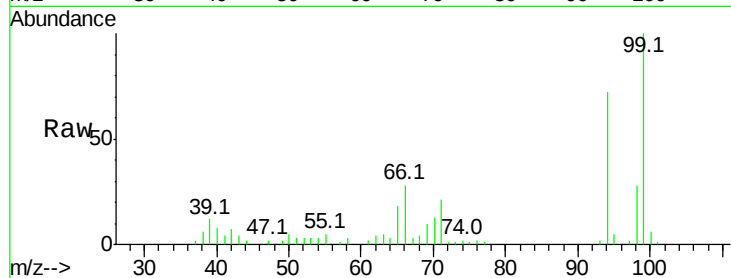
Tot Ion: 94 Resp: 17034

Ion Ratio Lower Upper

94 100

65 24.7 20.9 60.9

66 38.5 41.6 81.6#



#11

bis(2-Chloroethyl)ether

Concen: 0.14 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.02 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

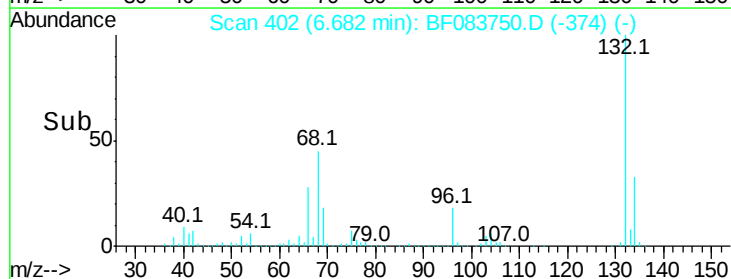
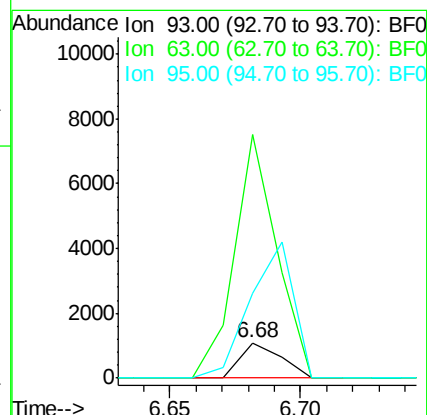
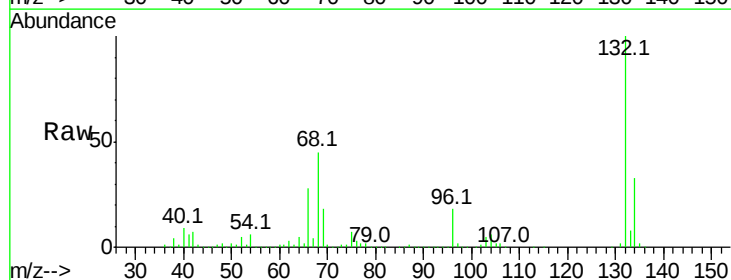
Tgt Ion: 93 Resp: 1199

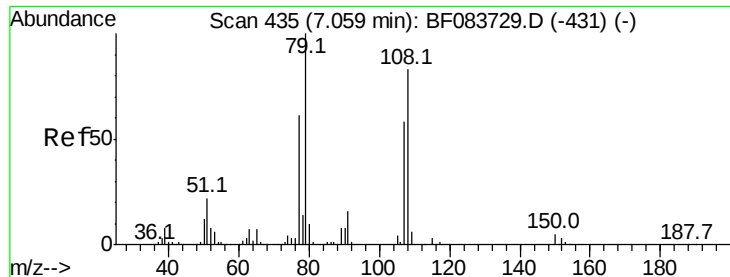
Ion Ratio Lower Upper

93 100

63 688.4 64.7 104.7#

95 241.6 12.7 52.7#





#15

Benzyl Alcohol

Concen: 1.58 ng

RT: 7.07 min Scan# 436

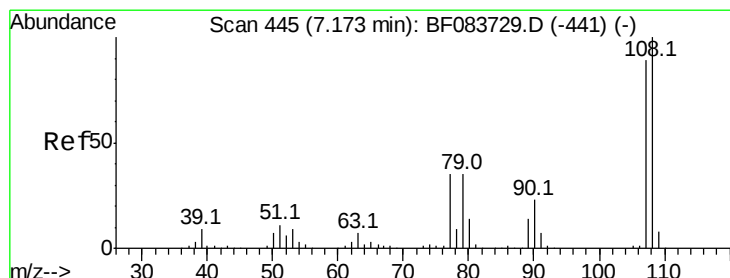
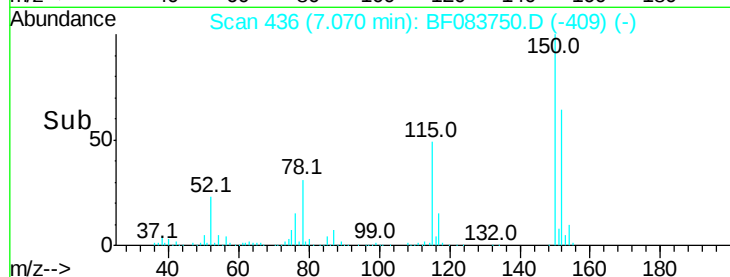
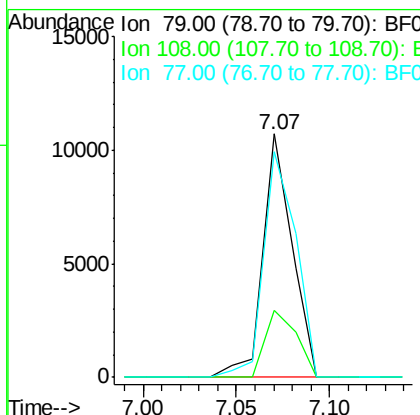
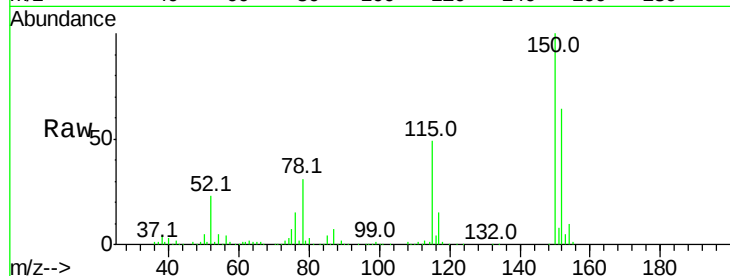
Delta R.T. 0.01 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

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Tot Ion:	79	Resp:	11607
Ion Ratio	Lower	Upper	
79	100		
108	27.7	59.6	89.4#
77	92.7	49.8	74.6#



#17

2-Methylphenol

Concen: 0.03 ng

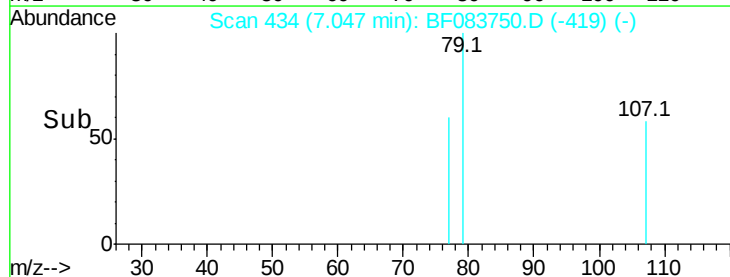
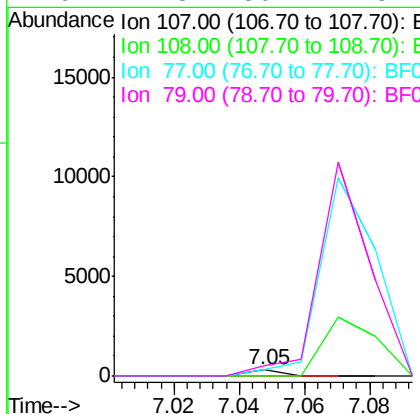
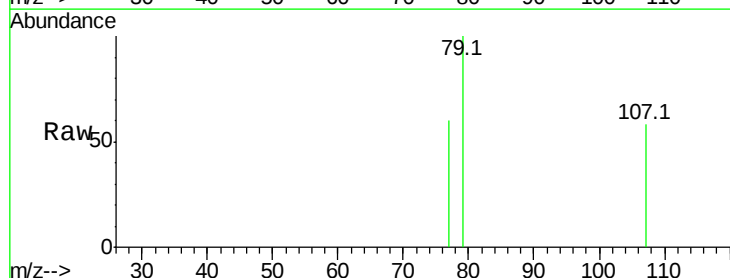
RT: 7.05 min Scan# 434

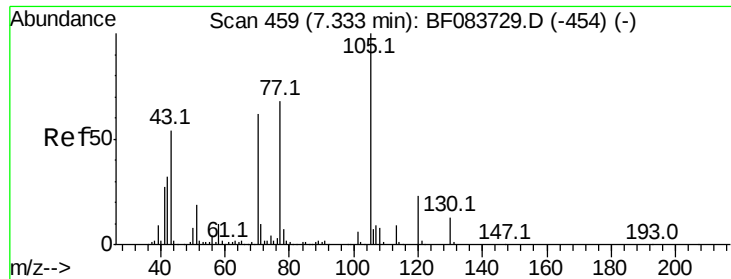
Delta R.T. -0.13 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

Tgt Ion:	107	Resp:	214
Ion Ratio	Lower	Upper	
107	100		
108	0.0	91.6	137.4#
77	103.2	53.7	80.5#
79	172.8	50.2	75.4#

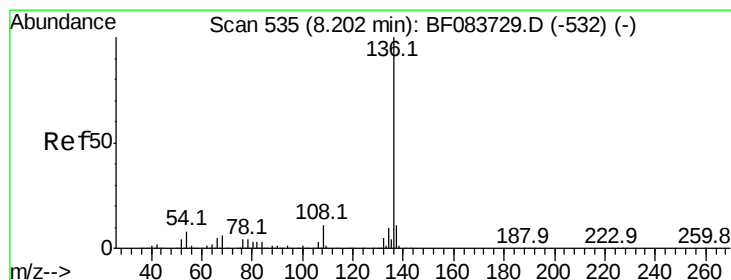
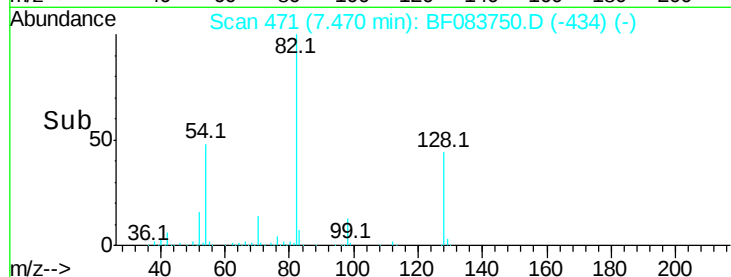
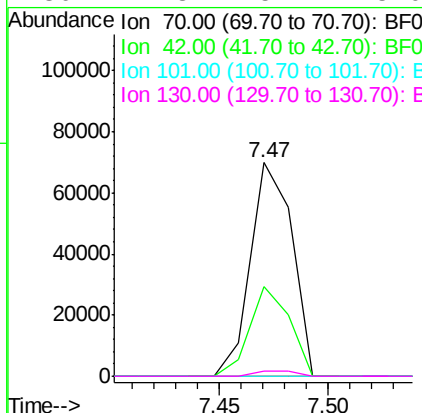
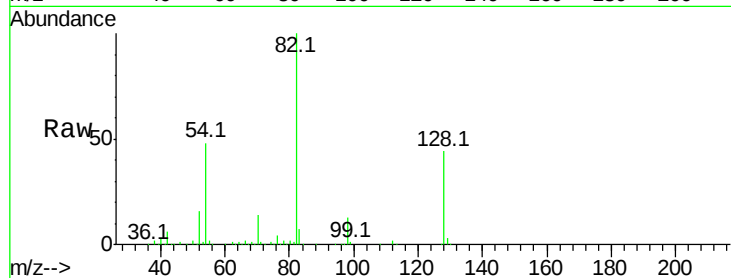




#19
n-Nitroso-di-n-propylamine
Concen: 15.22 ng
RT: 7.47 min Scan# 471
Delta R.T. 0.13 min
Lab File: BF083750.D
Acq: 14 Dec 2015 1:00

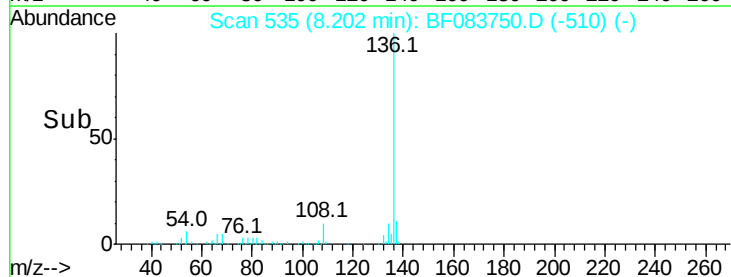
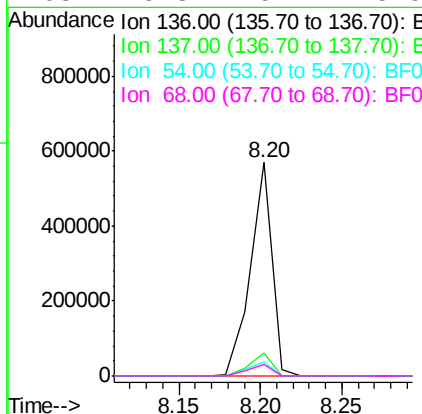
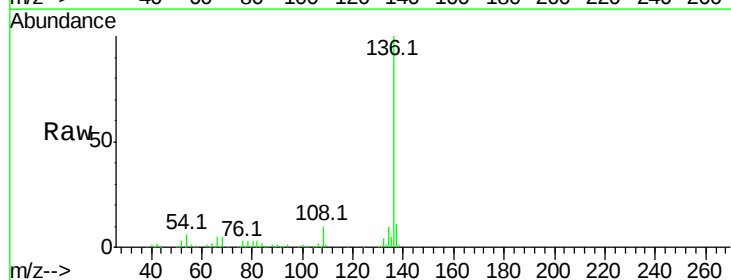
Instrument :
BNA_F
ClientSampleId :

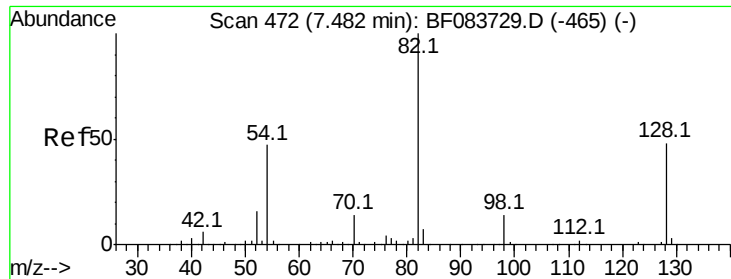
Tot Ion: 70 Resp: 93479
Ion Ratio Lower Upper
70 100
42 42.1 49.2 73.8#
101 0.0 7.1 10.7#
130 2.3 15.4 23.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF083750.D
Acq: 14 Dec 2015 1:00

Tgt Ion:136 Resp: 521306
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.4 7.8 11.6#
68 5.3 5.7 8.5#

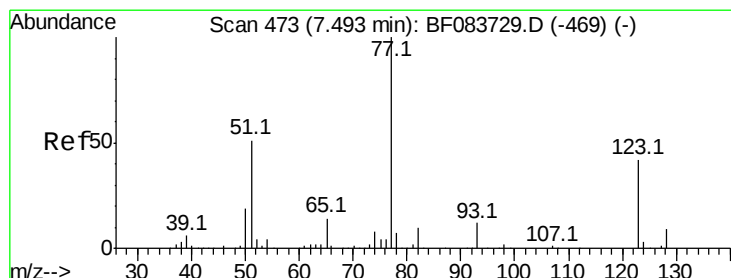
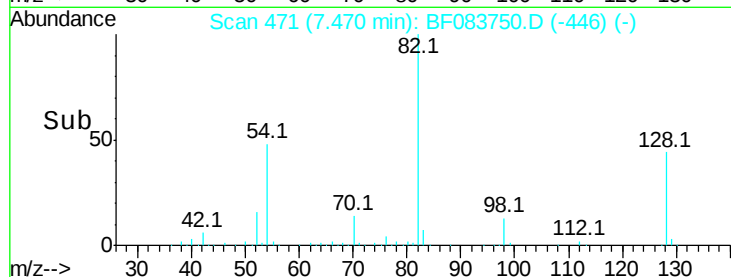
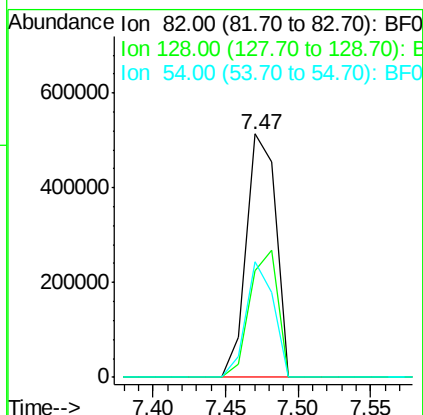
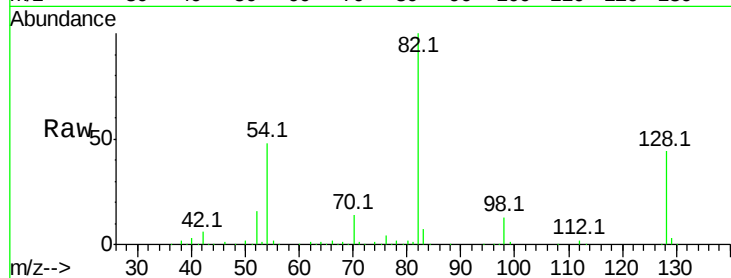




#23
 Nitrobenzene-d5
 Concen: 77.45 ng
 RT: 7.47 min Scan# 471
 Delta R.T. -0.01 min
 Lab File: BF083750.D
 Acq: 14 Dec 2015 1:00

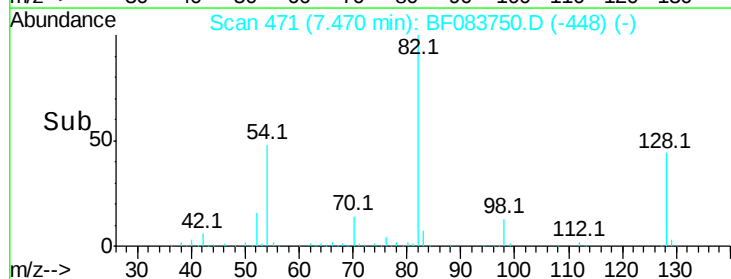
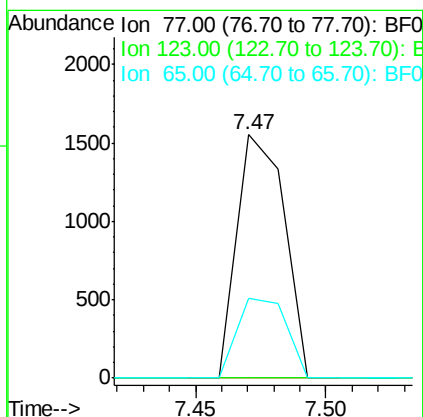
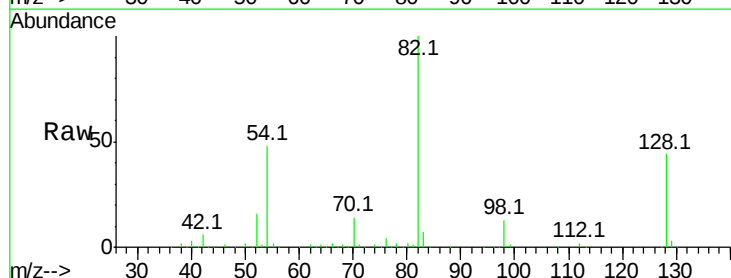
Instrument :
 BNA_F
 ClientSampleId :

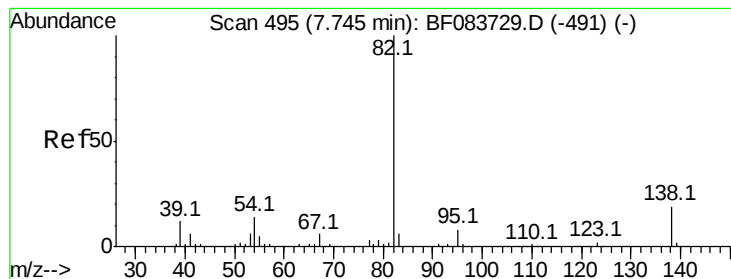
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	30.7	46.1
54	47.7	42.5	63.7



#24
 Nitrobenzene
 Concen: 0.20 ng
 RT: 7.47 min Scan# 471
 Delta R.T. -0.03 min
 Lab File: BF083750.D
 Acq: 14 Dec 2015 1:00

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	29.8	44.6#
65	32.7	11.1	16.7#





#25

Isophorone

Concen: 36.32 ng

RT: 7.47 min Scan# 471

Delta R.T. -0.27 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

Instrument :

BNA_F

ClientSampleId :

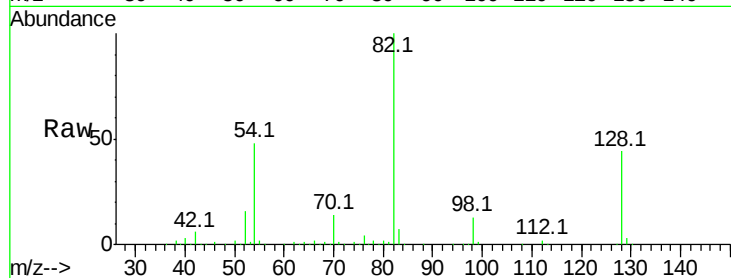
Tot Ion: 82 Resp: 663961

Ion Ratio Lower Upper

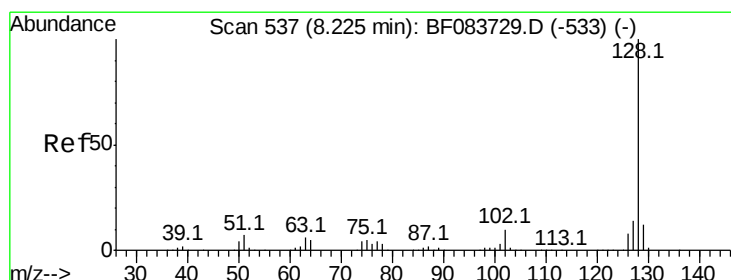
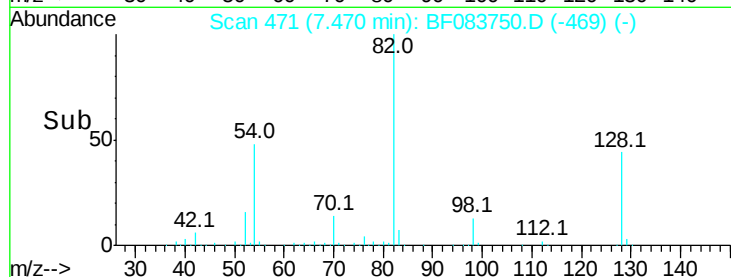
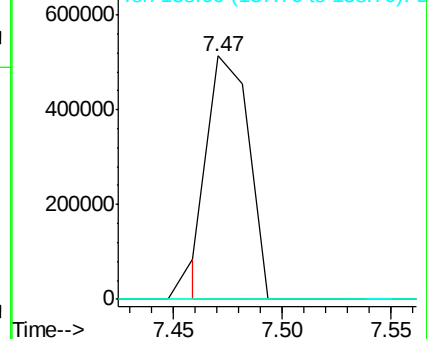
82 100

95 0.0 5.0 7.4#

138 0.0 12.1 18.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 0.03 ng

RT: 8.22 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

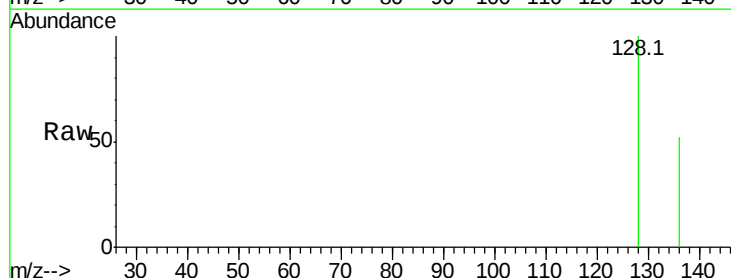
Tgt Ion: 128 Resp: 691

Ion Ratio Lower Upper

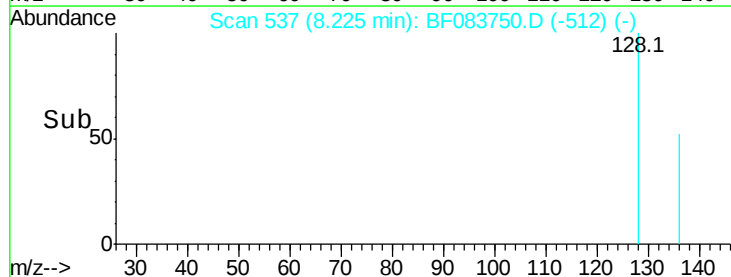
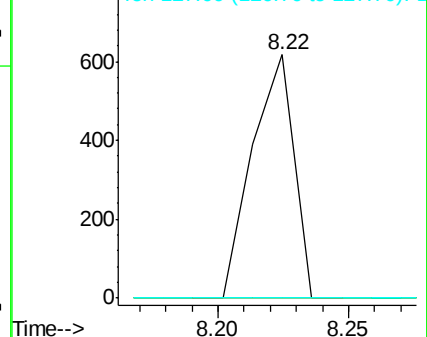
128 100

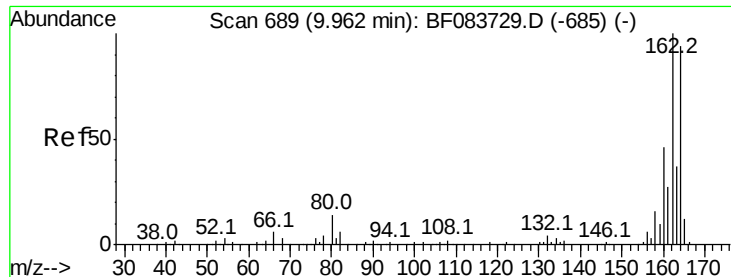
129 0.0 8.6 13.0#

127 0.0 10.6 16.0#



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

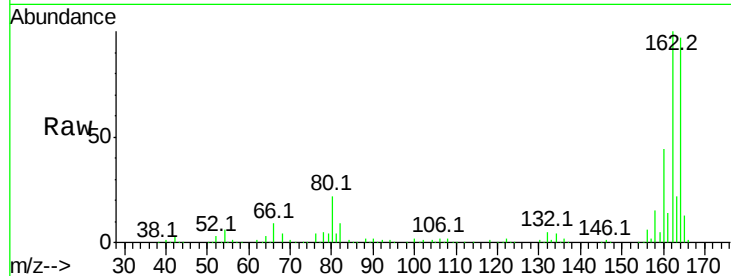




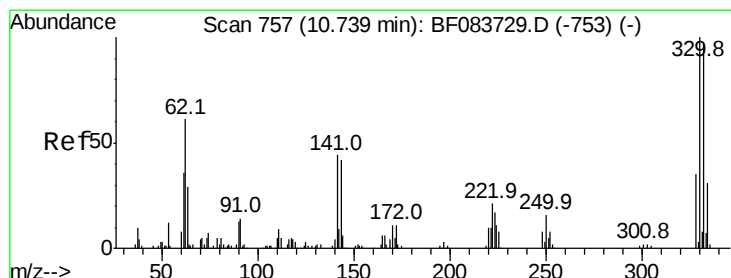
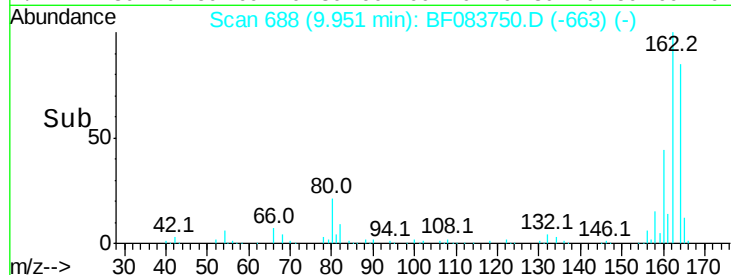
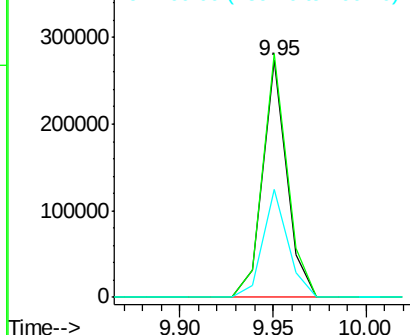
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: BF083750.D
 Acq: 14 Dec 2015 1:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 242524
 Ion Ratio Lower Upper
 164 100
 162 102.8 78.8 118.2
 160 45.6 33.4 50.2

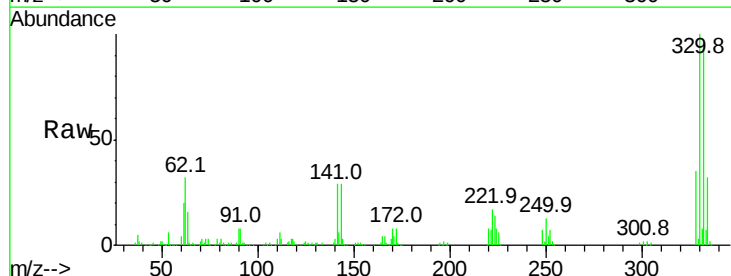


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

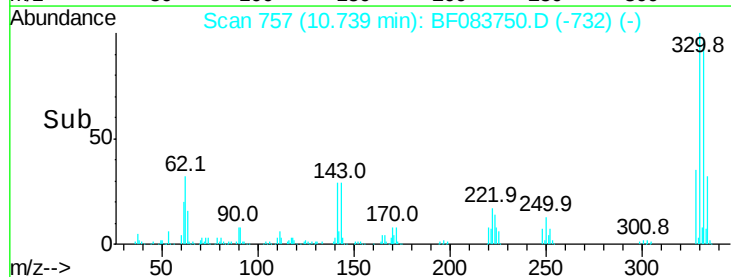
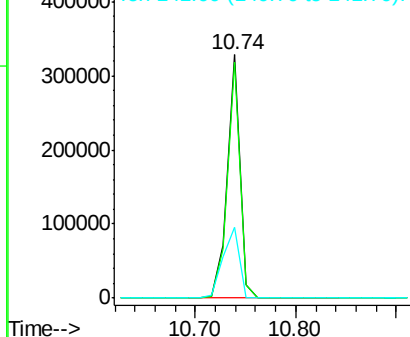


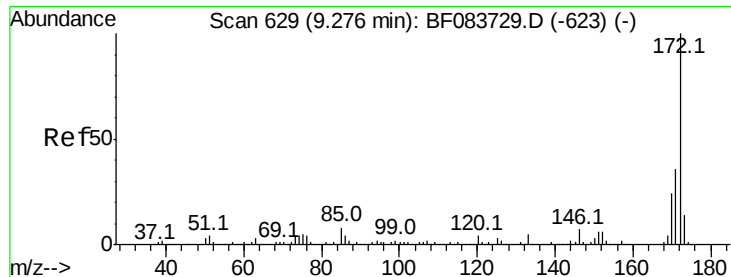
#41
 2,4,6-Tribromophenol
 Concen: 117.60 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: BF083750.D
 Acq: 14 Dec 2015 1:00

Tgt Ion:330 Resp: 290617
 Ion Ratio Lower Upper
 330 100
 332 97.0 0.0 0.0#
 141 37.2 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

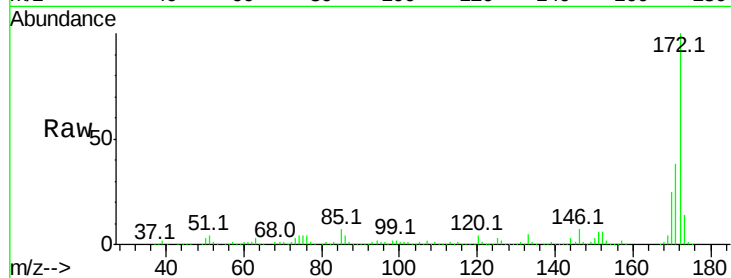




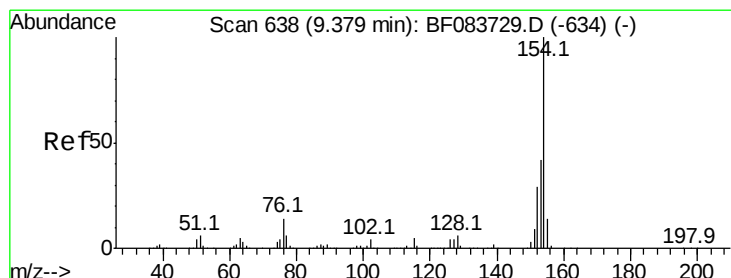
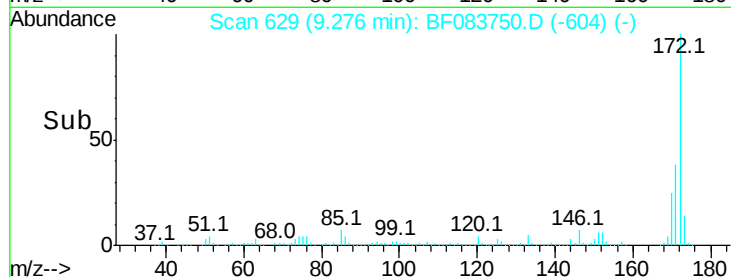
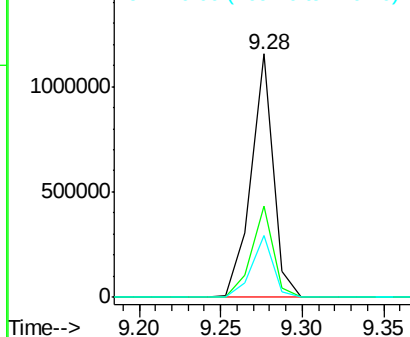
#44
 2-Fluorobiphenyl
 Concen: 60.82 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF083750.D
 Acq: 14 Dec 2015 1:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1093213
 Ion Ratio Lower Upper
 172 100
 171 37.5 28.6 42.8
 170 25.2 19.4 29.0

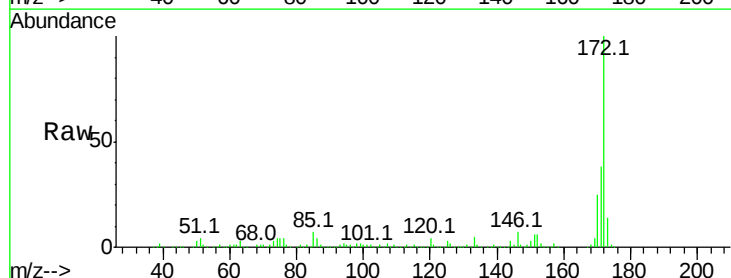


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

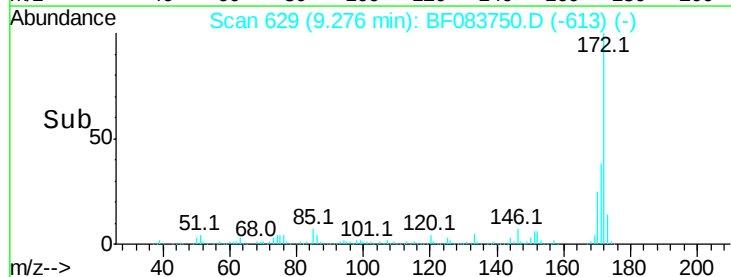
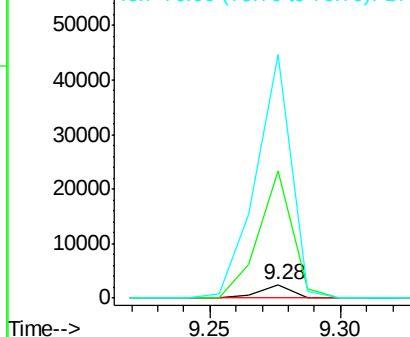


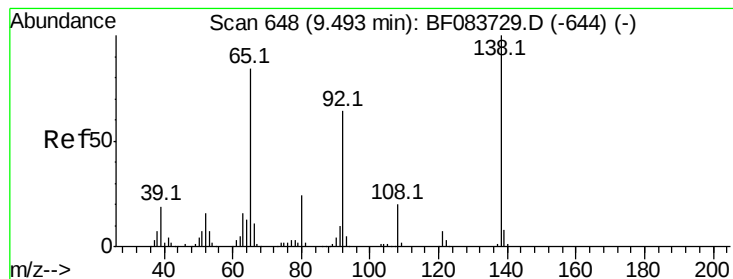
#45
 1,1'-Biphenyl
 Concen: 0.10 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.11 min
 Lab File: BF083750.D
 Acq: 14 Dec 2015 1:00

Tgt Ion:154 Resp: 2080
 Ion Ratio Lower Upper
 154 100
 153 947.1 20.2 60.2#
 76 1813.4 0.0 34.8#



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

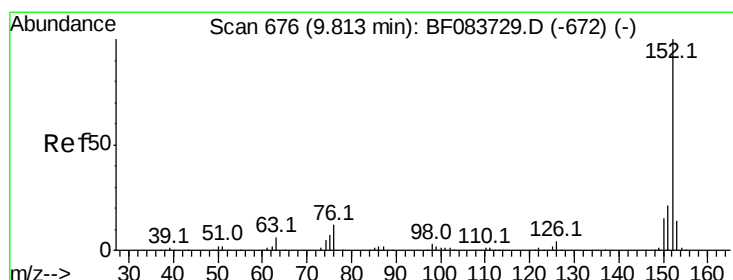
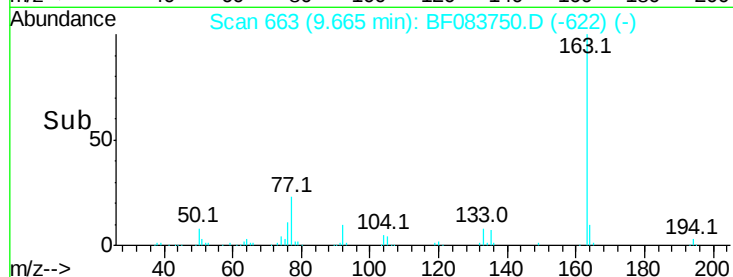
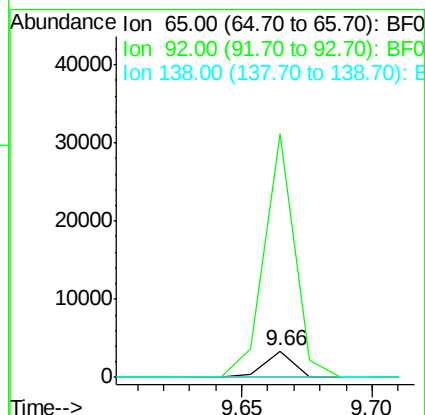
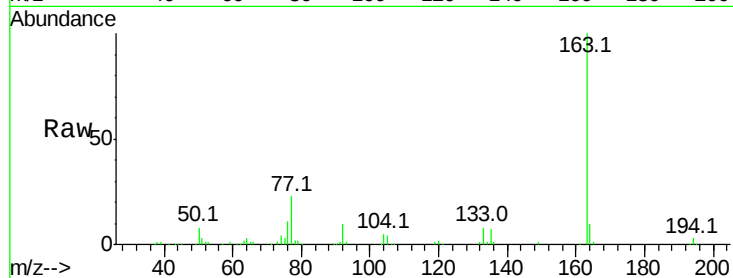




#47
2-Nitroaniline
Concen: 0.57 ng
RT: 9.66 min Scan# 663
Delta R.T. 0.17 min
Lab File: BF083750.D
Acq: 14 Dec 2015 1:00

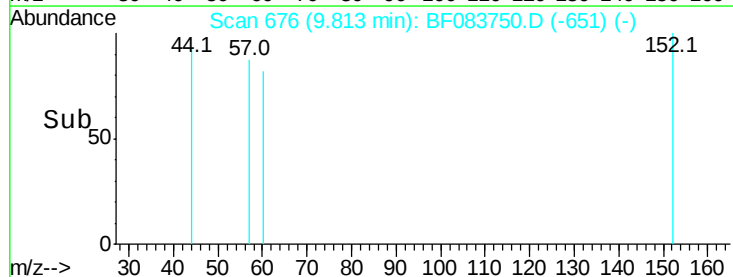
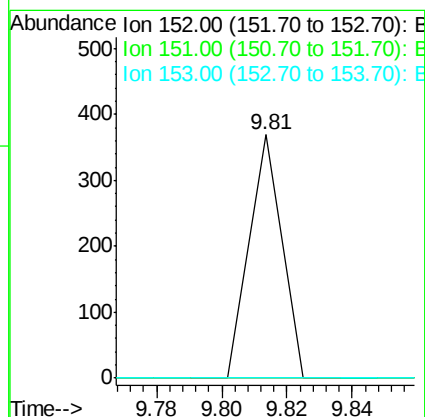
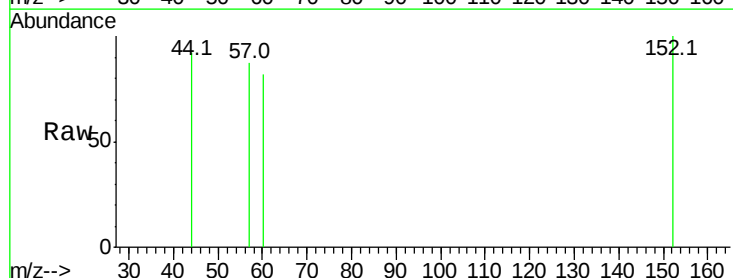
Instrument :
BNA_F
ClientSampleId :

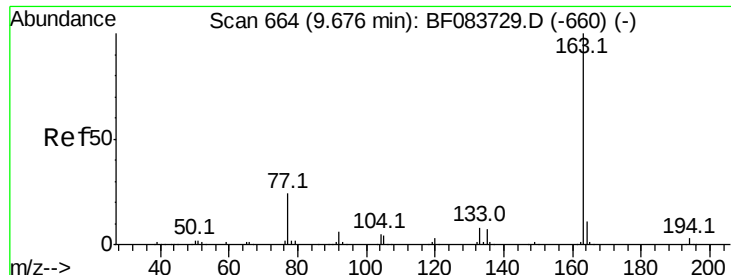
Tot Ion: 65 Resp: 2581
Ion Ratio Lower Upper
65 100
92 932.1 49.6 74.4#
138 0.0 64.1 96.1#



#48
Acenaphthylene
Concen: 0.01 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF083750.D
Acq: 14 Dec 2015 1:00

Tgt Ion: 152 Resp: 253
Ion Ratio Lower Upper
152 100
151 0.0 16.3 24.5#
153 0.0 10.8 16.2#





#49

Dimethylphthalate

Concen: 14.60 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.02 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

Instrument :

BNA_F

ClientSampleId :

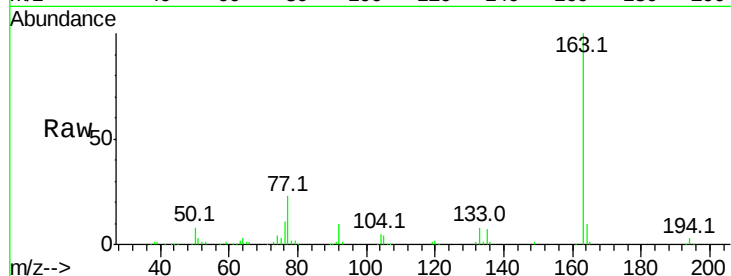
Tot Ion:163 Resp: 275990

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

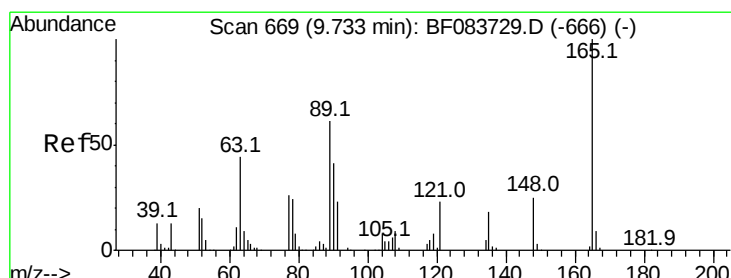
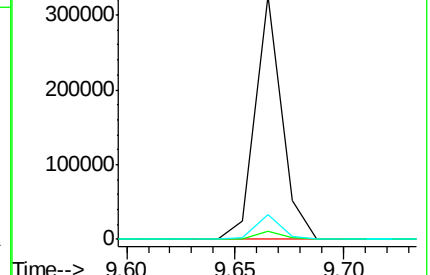
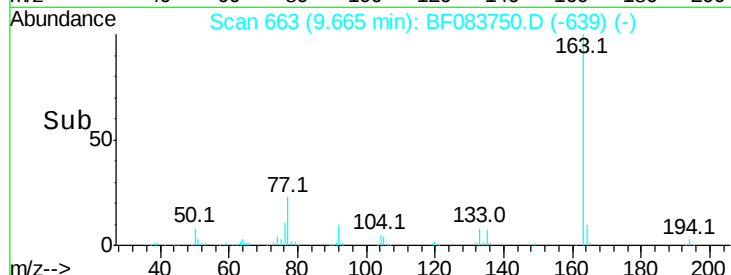
164 10.3 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 0.76 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.08 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

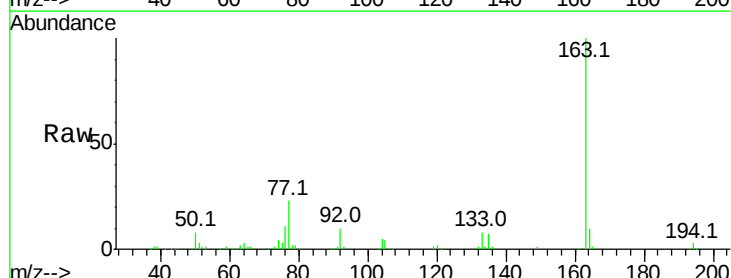
Tgt Ion:165 Resp: 3031

Ion Ratio Lower Upper

165 100

63 156.9 56.9 85.3#

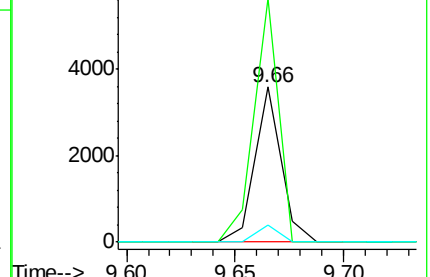
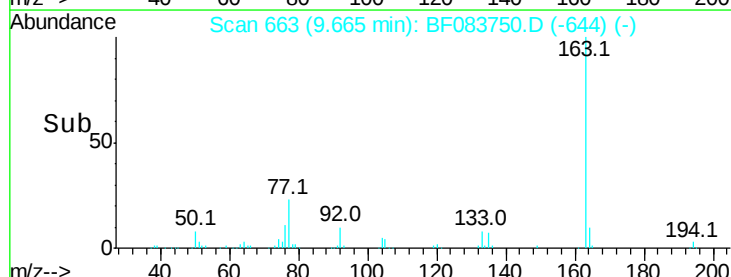
89 11.4 52.1 78.1#

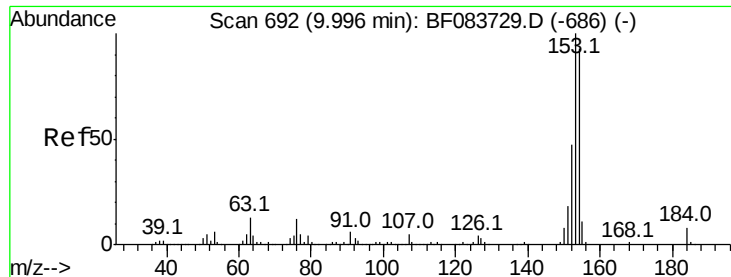


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.06 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.05 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

Instrument :

BNA_F

ClientSampleId :

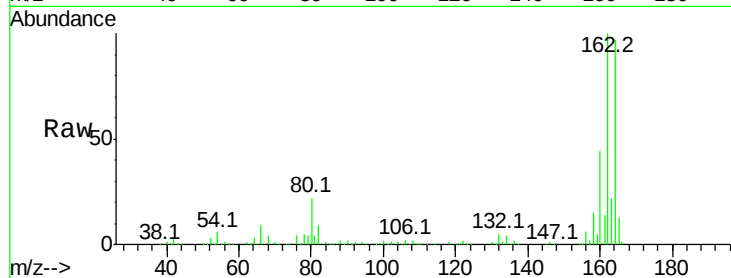
Tot Ion:154 Resp: 909

Ion Ratio Lower Upper

154 100

153 0.0 91.4 137.0#

152 0.0 43.4 65.2#

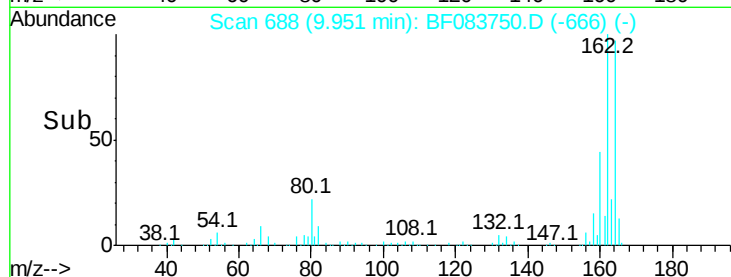


Abundance Ion 154.00 (153.70 to 154.70): E

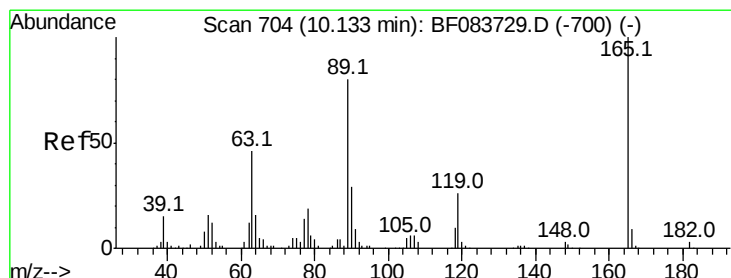
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time--> 9.90 9.95 10.00



Time--> 9.90 9.95 10.00



#56

2,4-Dinitrotoluene

Concen: 6.02 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.19 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

Tgt Ion:165 Resp: 31548

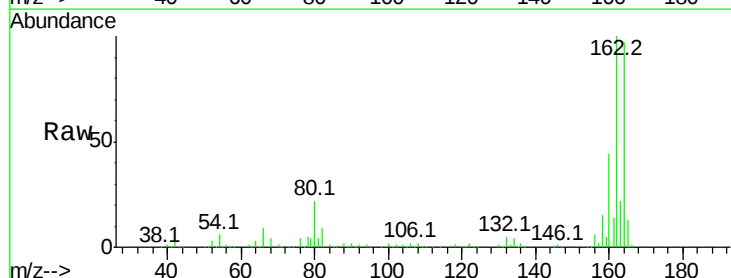
Ion Ratio Lower Upper

165 100

63 1.3 51.4 77.2#

89 1.4 72.6 108.8#

182 0.0 1.4 2.0#



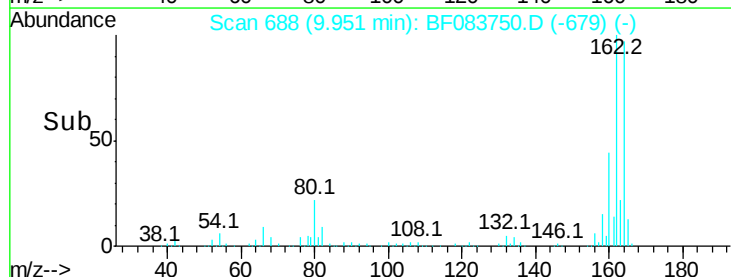
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

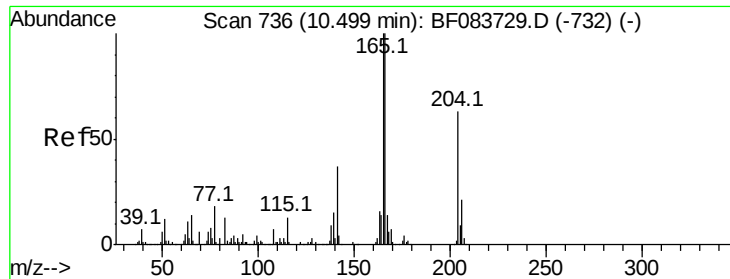
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

Time--> 9.90 9.95 10.00



Time--> 9.90 9.95 10.00



#57

Fluorene

Concen: 0.86 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.23 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

Instrument :

BNA_F

ClientSampleId :

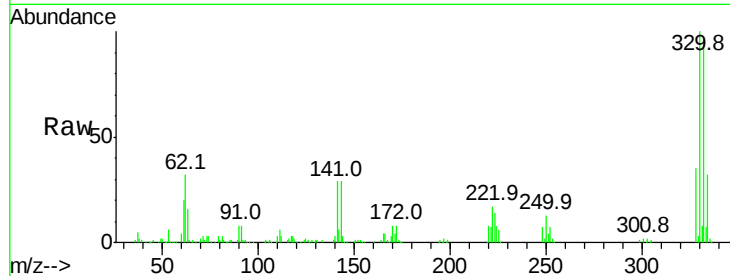
Tot Ion:166 Resp: 14426

Ion Ratio Lower Upper

166 100

165 99.7 80.0 120.0

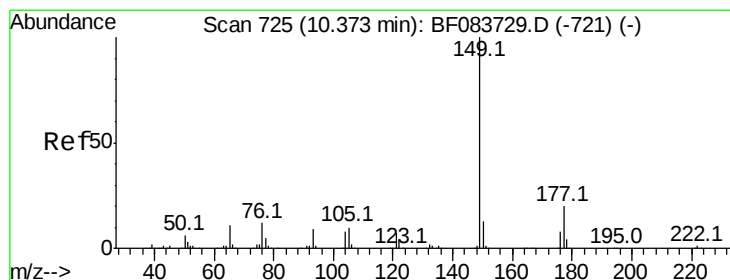
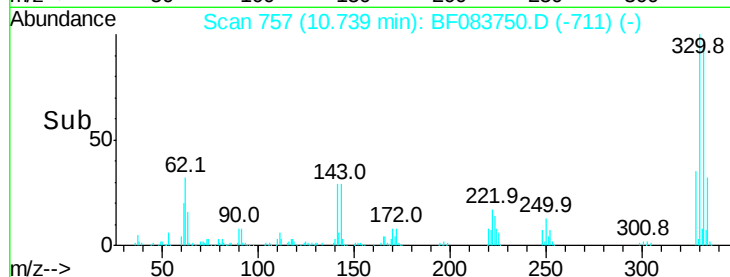
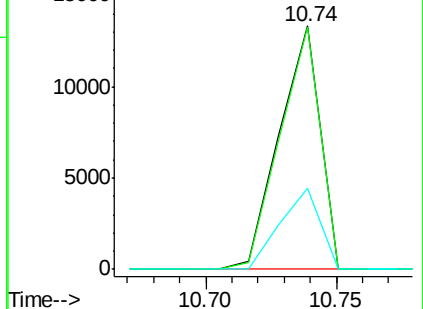
167 33.3 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 0.11 ng

RT: 10.37 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

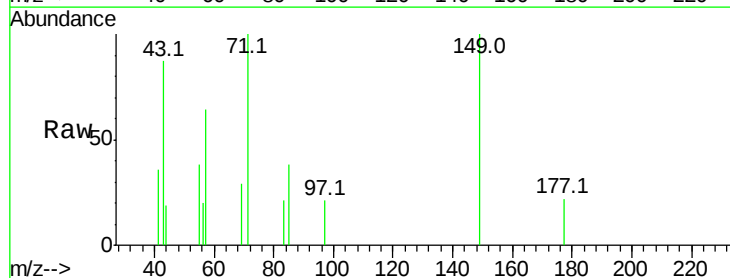
Tgt Ion:149 Resp: 2185

Ion Ratio Lower Upper

149 100

177 21.5 16.9 25.3

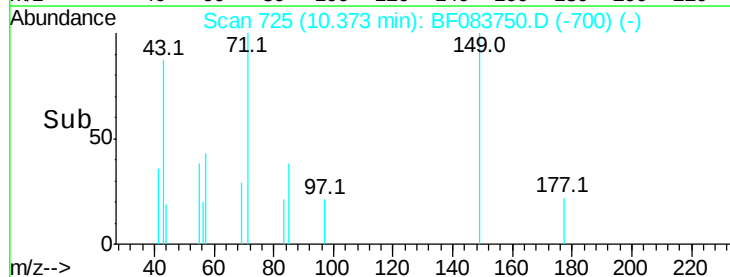
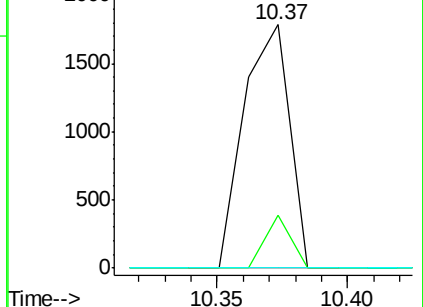
150 0.0 10.2 15.4#

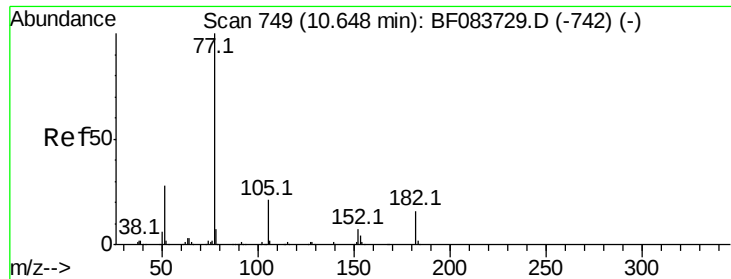


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.09 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.08 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 1534

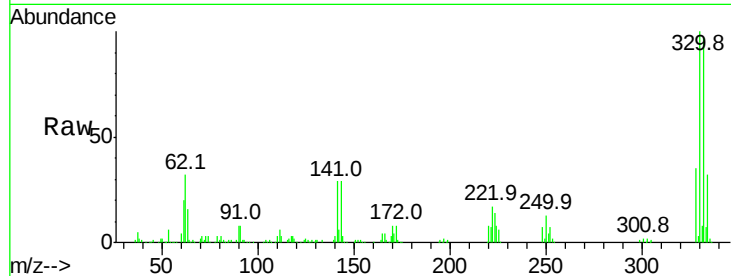
Ion Ratio Lower Upper

77 100

182 0.0 2.5 42.5#

105 79.4 2.1 42.1#

51 52.0 9.3 49.3#

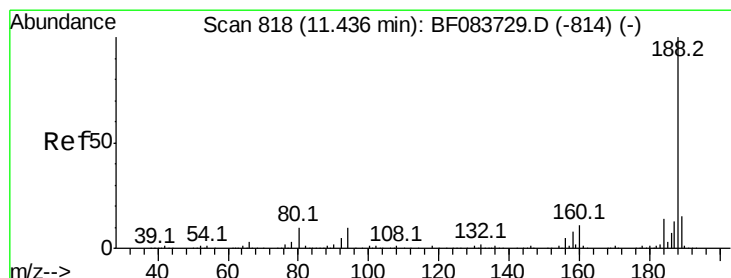
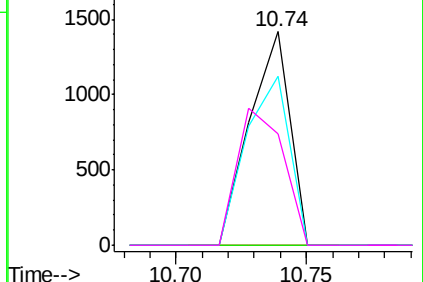
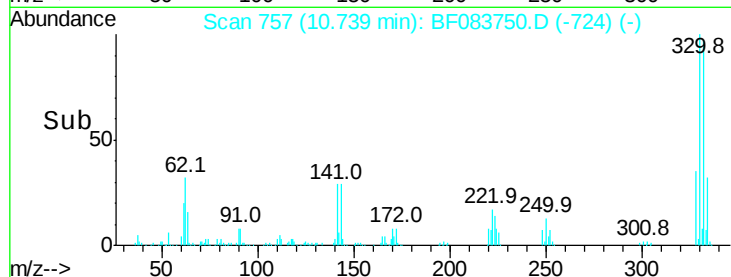


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. -0.02 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

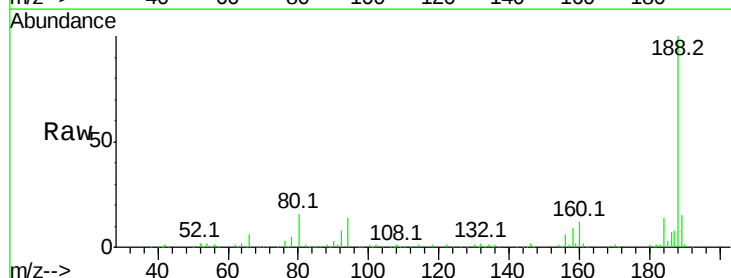
Tgt Ion:188 Resp: 423764

Ion Ratio Lower Upper

188 100

94 14.4 9.4 14.2#

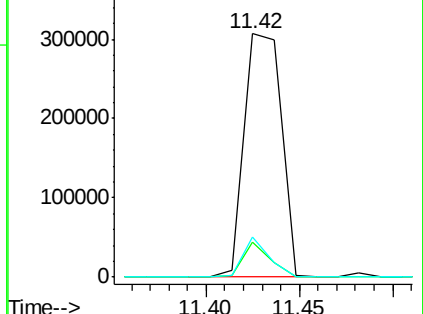
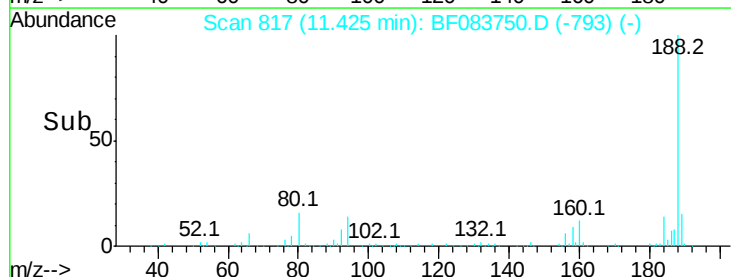
80 16.2 10.6 16.0#

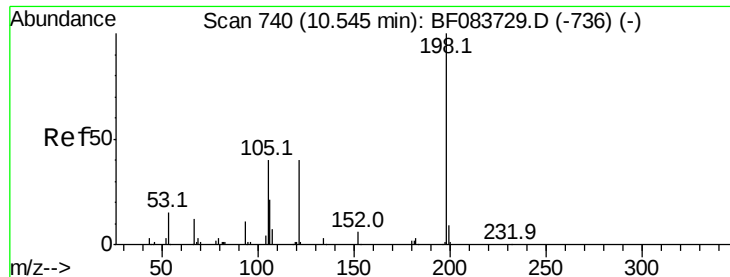


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 0.30 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.20 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

Instrument :

BNA_F

ClientSampleId :

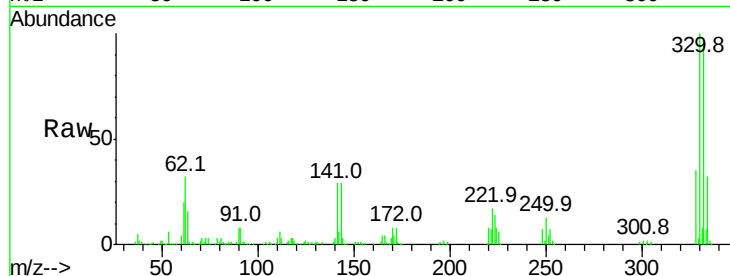
Tot Ion:198 Resp: 732

Ion Ratio Lower Upper

198 100

51 98.1 53.8 93.8#

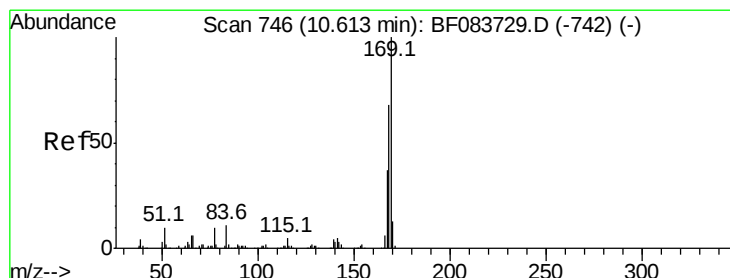
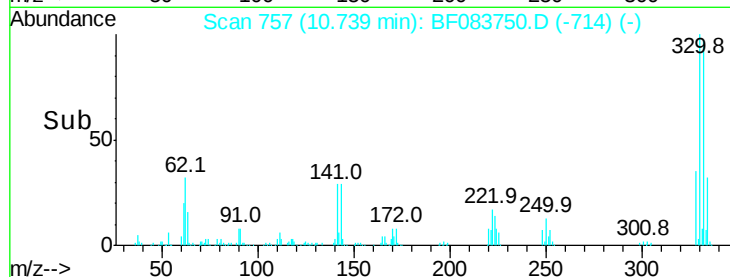
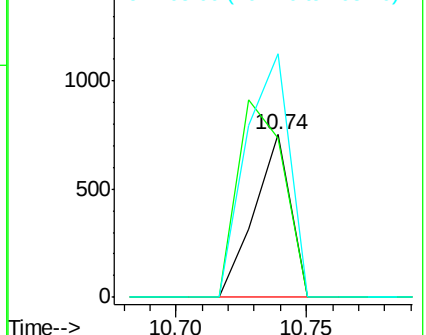
105 149.7 38.6 78.6#



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



#65

n-Nitrosodiphenylamine

Concen: 0.69 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.13 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

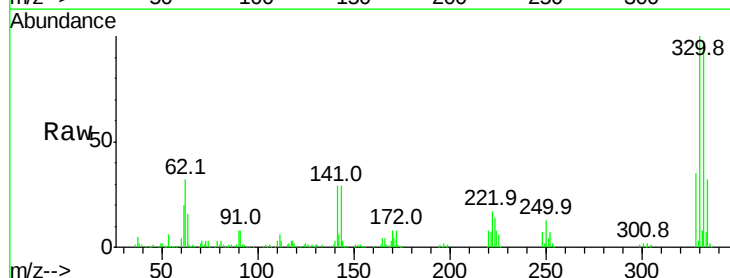
Tgt Ion:169 Resp: 9928

Ion Ratio Lower Upper

169 100

168 7.8 53.0 79.6#

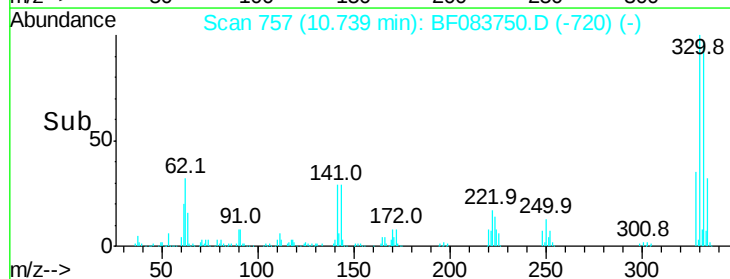
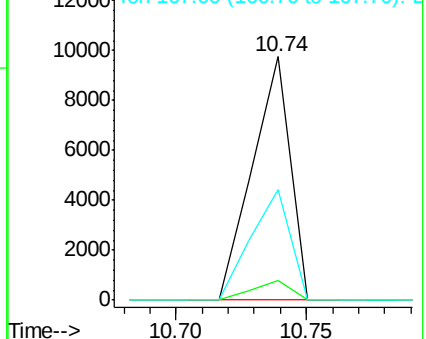
167 45.5 29.3 43.9#

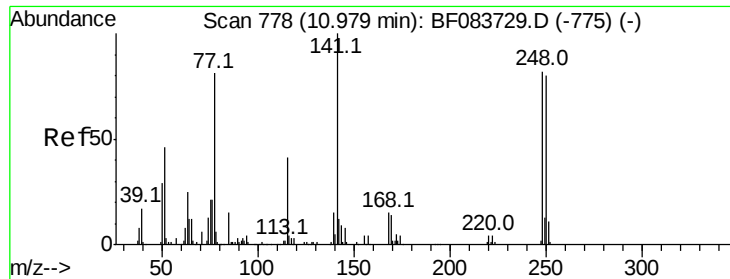


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

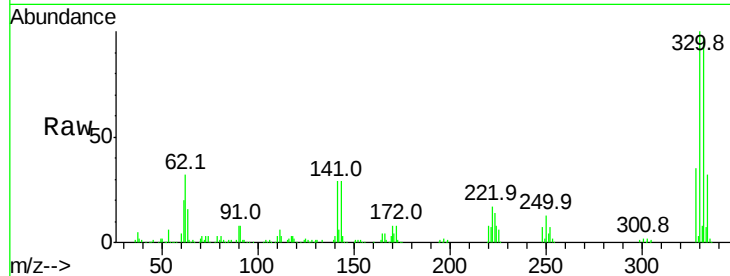




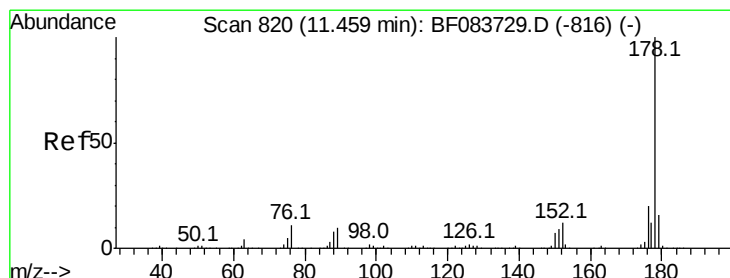
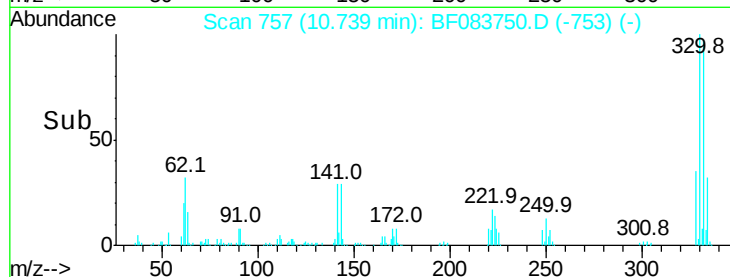
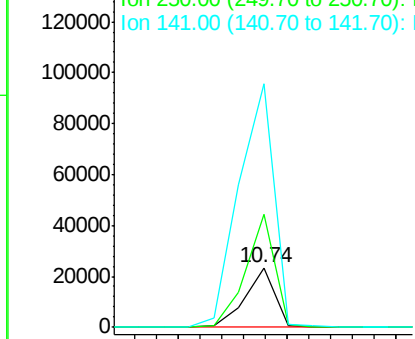
#66
 4-Bromophenyl-phenylether
 Concen: 4.60 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.25 min
 Lab File: BF083750.D
 Acq: 14 Dec 2015 1:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 21816
 Ion Ratio Lower Upper
 248 100
 250 190.5 79.2 118.8#
 141 410.7 58.2 87.4#

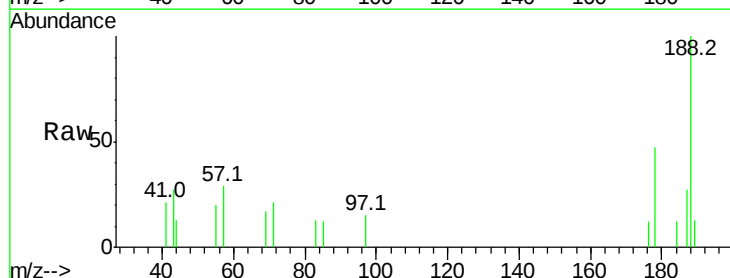


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

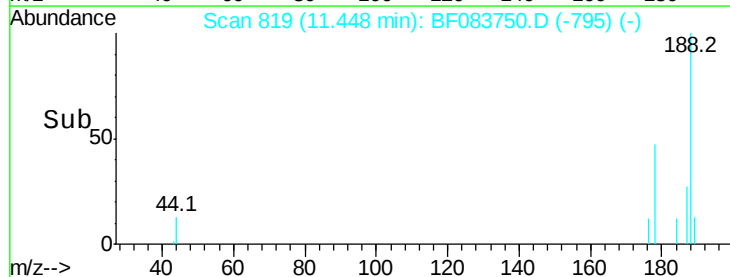
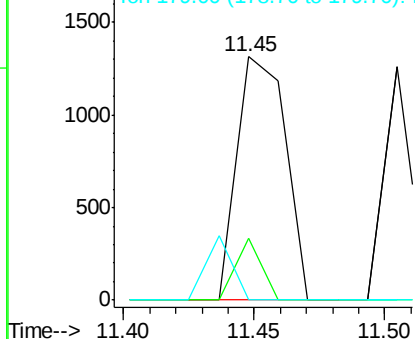


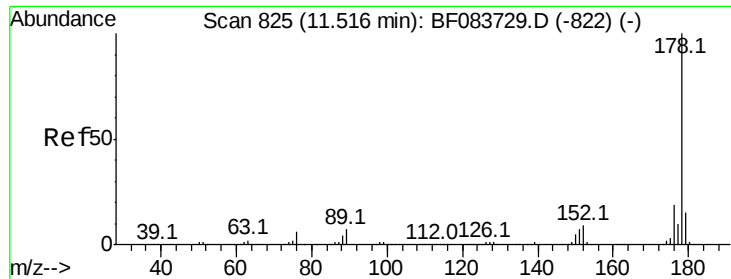
#70
 Phenanthrene
 Concen: 0.08 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.02 min
 Lab File: BF083750.D
 Acq: 14 Dec 2015 1:00

Tgt Ion:178 Resp: 1717
 Ion Ratio Lower Upper
 178 100
 176 25.4 15.7 23.5#
 179 0.0 12.2 18.4#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

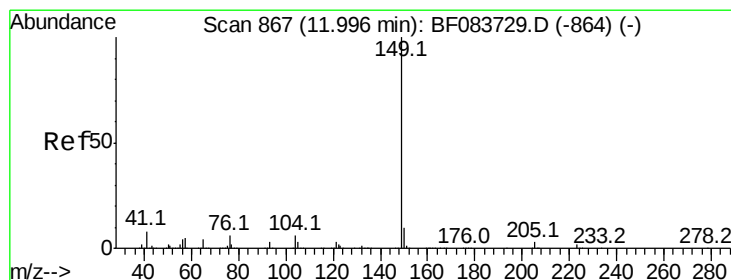
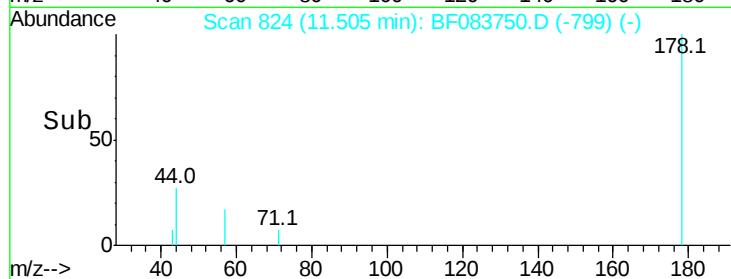
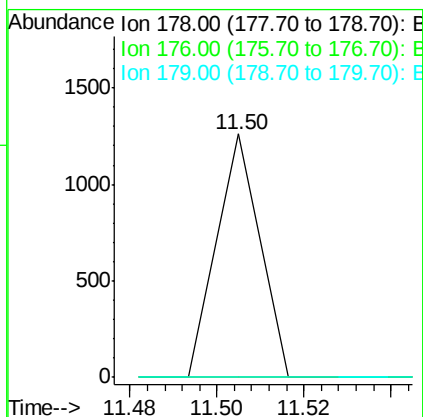
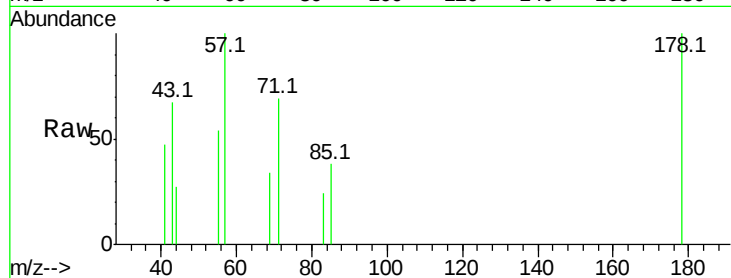




#71
 Anthracene
 Concen: 0.04 ng
 RT: 11.50 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BF083750.D
 Acq: 14 Dec 2015 1:00

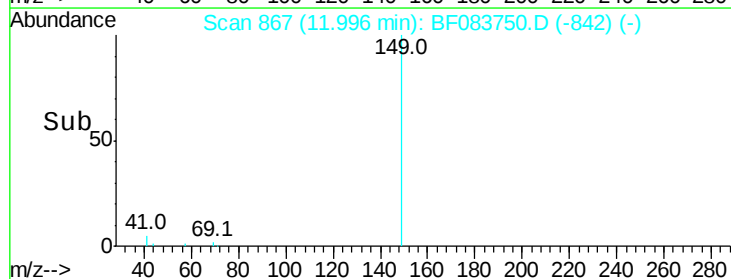
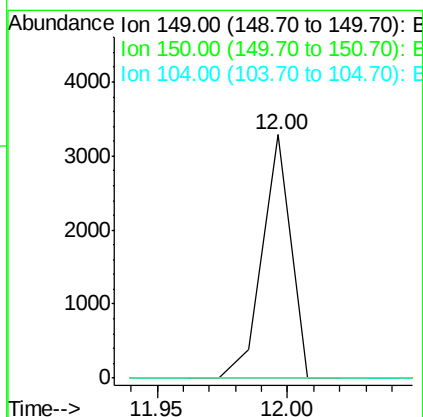
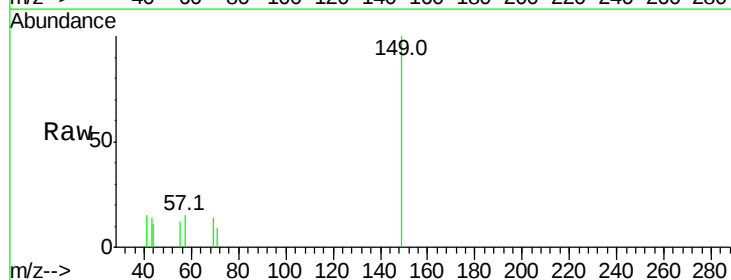
Instrument :
 BNA_F
 ClientSampleId :

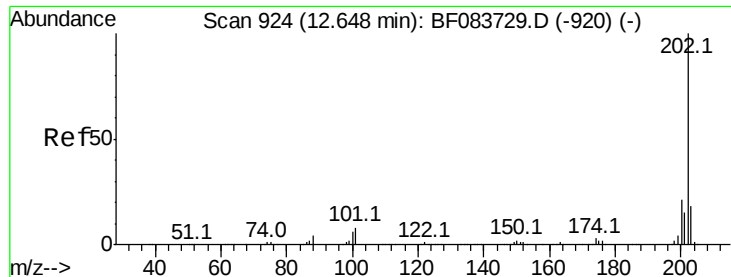
Tot Ion:178 Resp: 865
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.2 22.8#
 179 0.0 12.6 18.8#



#73
 Di-n-butylphthalate
 Concen: 0.10 ng
 RT: 12.00 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: BF083750.D
 Acq: 14 Dec 2015 1:00

Tgt Ion:149 Resp: 2520
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.8 11.6#
 104 0.0 3.9 5.9#

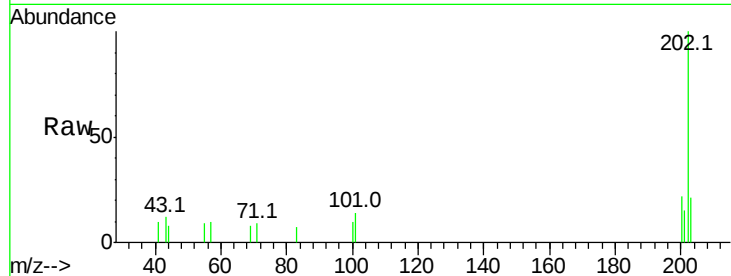




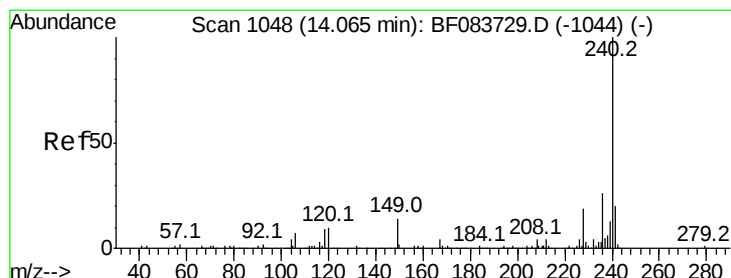
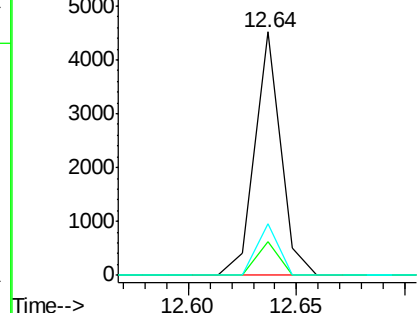
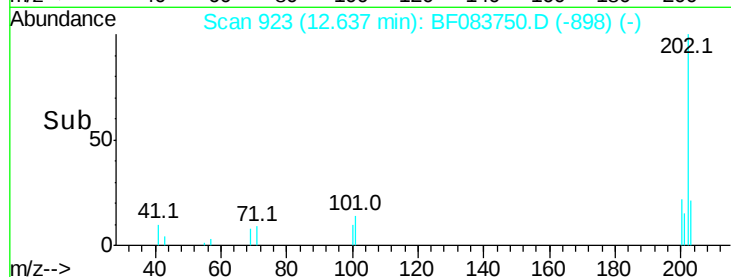
#74
Fluoranthene
 Concen: 0.16 ng
 RT: 12.64 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF083750.D
 Acq: 14 Dec 2015 1:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 3736
 Ion Ratio Lower Upper
 202 100
 101 14.0 0.0 31.5
 203 21.2 0.0 37.6

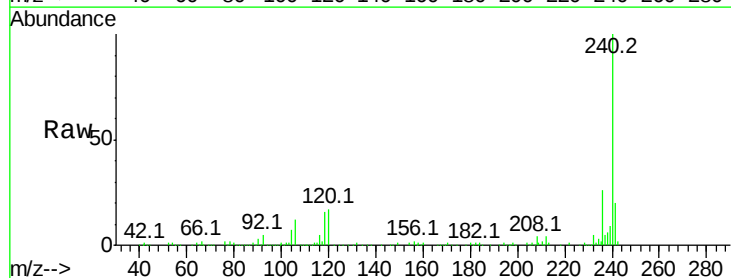


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

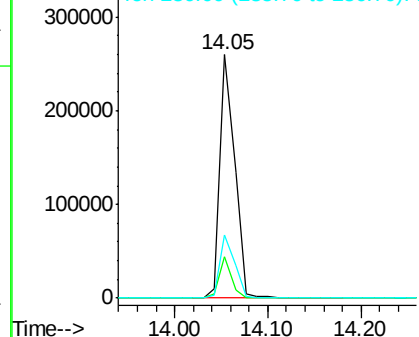
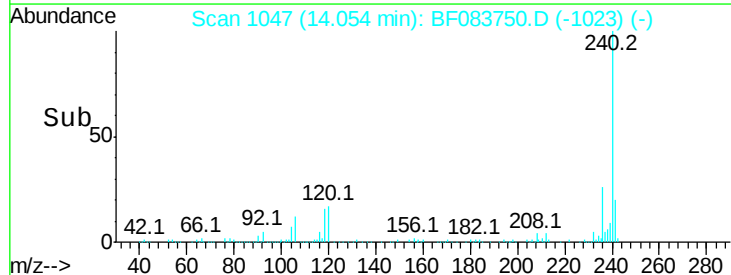


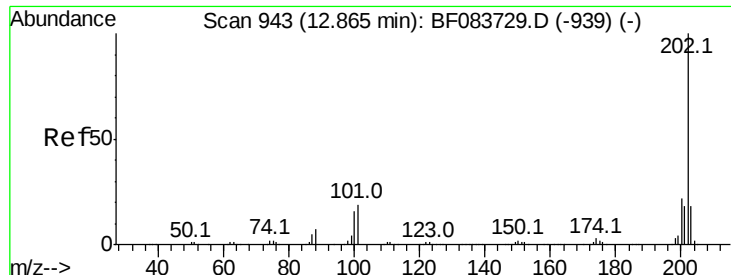
#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.02 min
 Lab File: BF083750.D
 Acq: 14 Dec 2015 1:00

Tgt Ion:240 Resp: 284581
 Ion Ratio Lower Upper
 240 100
 120 17.2 8.1 12.1#
 236 25.9 20.8 31.2



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

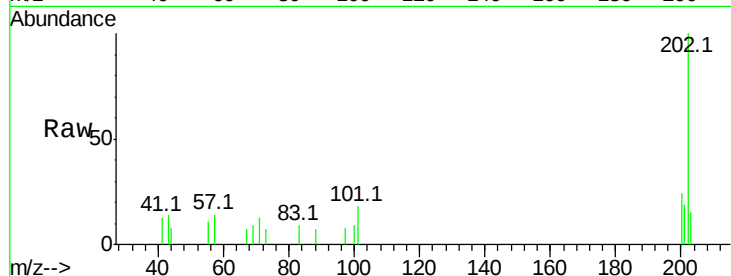




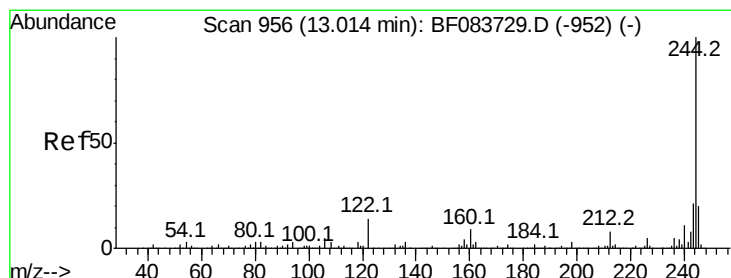
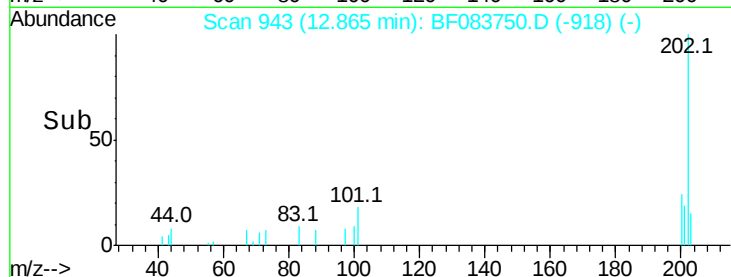
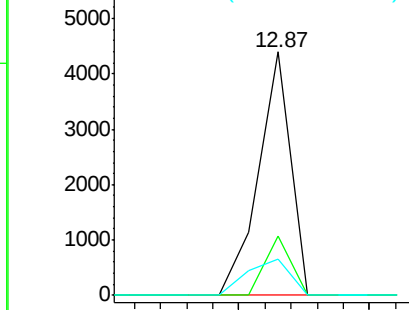
#77
Pvrene
Concen: 0.17 ng
RT: 12.87 min Scan# 943
Delta R.T. -0.01 min
Lab File: BF083750.D
Acq: 14 Dec 2015 1:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 3790
Ion Ratio Lower Upper
202 100
200 24.2 16.7 25.1
203 14.7 14.3 21.5

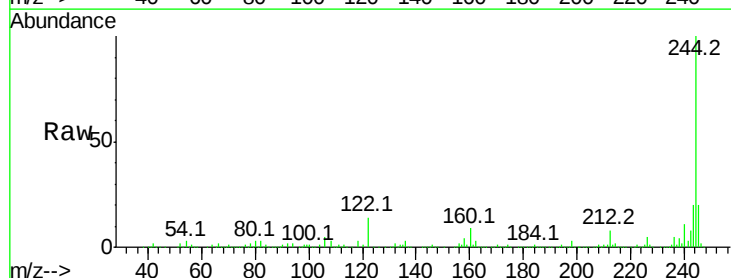


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

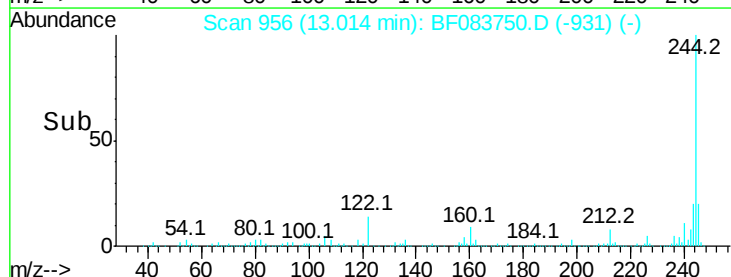
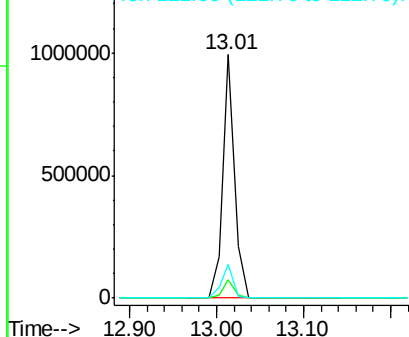


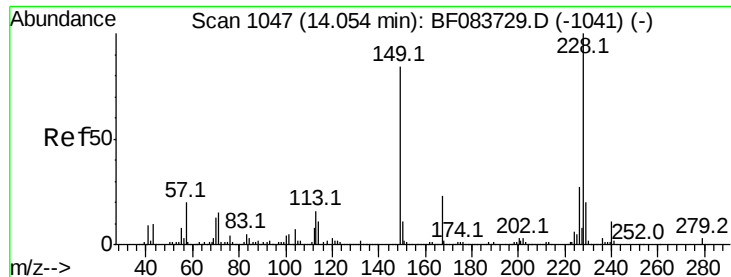
#78
Terphenyl-d14
Concen: 71.62 ng
RT: 13.01 min Scan# 956
Delta R.T. -0.01 min
Lab File: BF083750.D
Acq: 14 Dec 2015 1:00

Tgt Ion:244 Resp: 947530
Ion Ratio Lower Upper
244 100
212 7.5 6.1 9.1
122 13.6 11.0 16.6



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

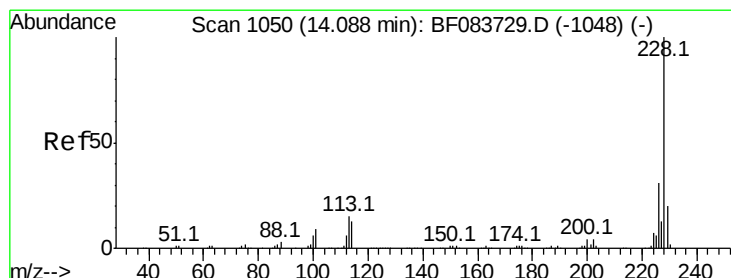
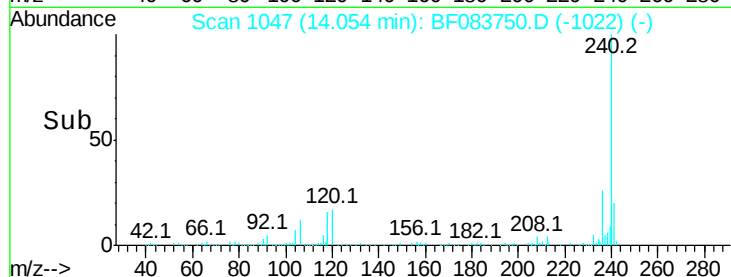
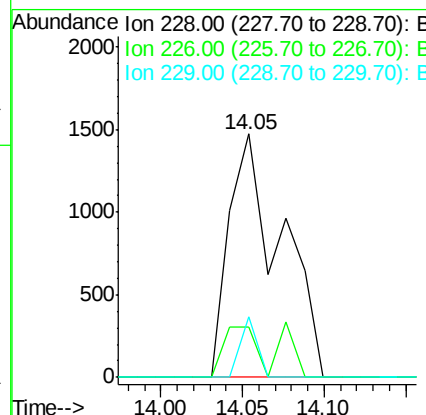
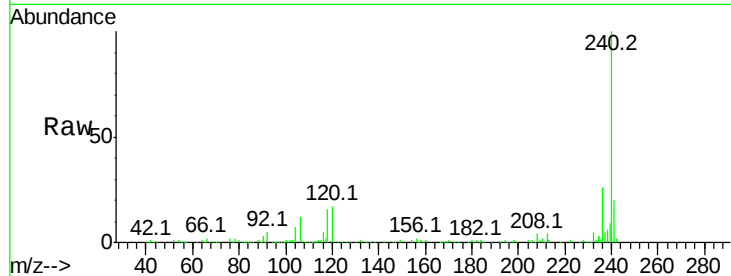




#80
Benzo(a)anthracene
Concen: 0.20 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF083750.D
Acq: 14 Dec 2015 1:00

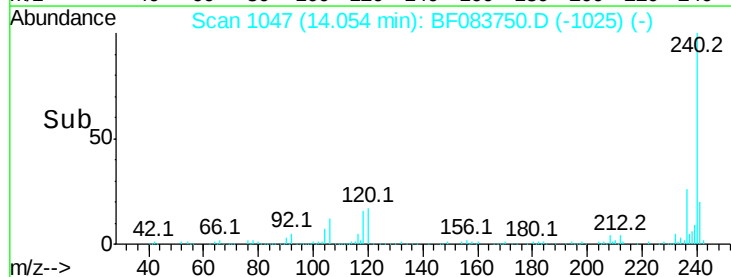
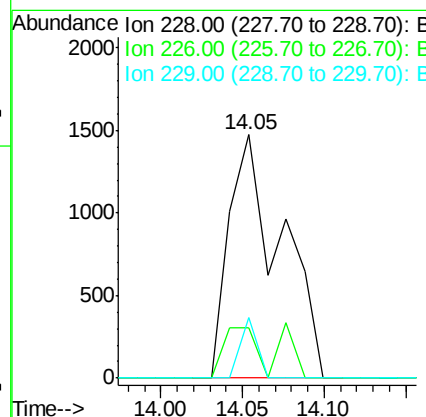
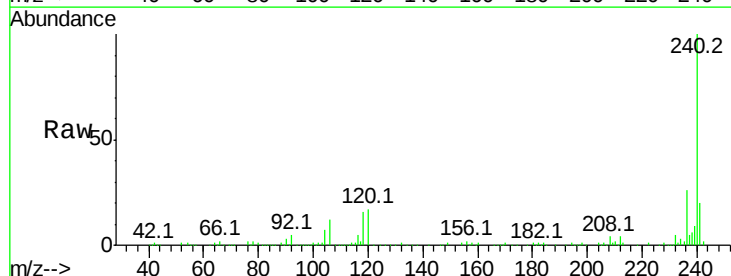
Instrument :
BNA_F
ClientSampleId :

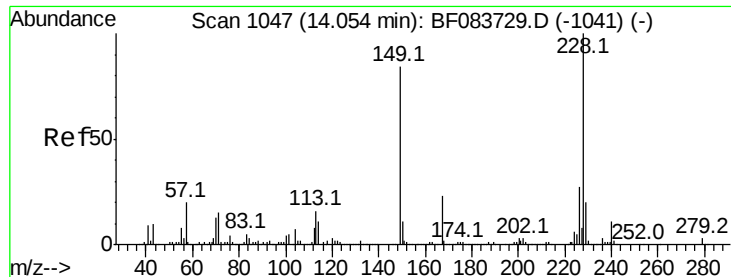
Tot Ion	Ratio	Lower	Upper
228	100		
226	20.5	22.3	33.5#
229	24.8	15.7	23.5#



#82
Chrysene
Concen: 0.20 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.05 min
Lab File: BF083750.D
Acq: 14 Dec 2015 1:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	20.5	24.7	37.1#
229	24.8	16.3	24.5#

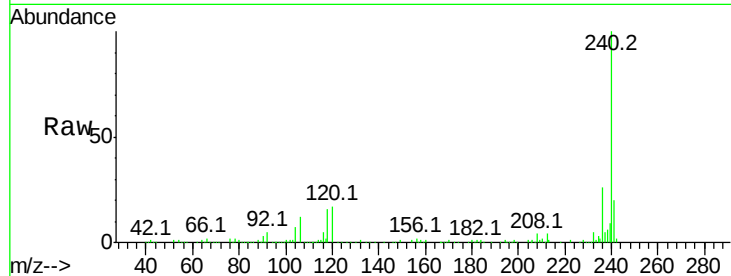




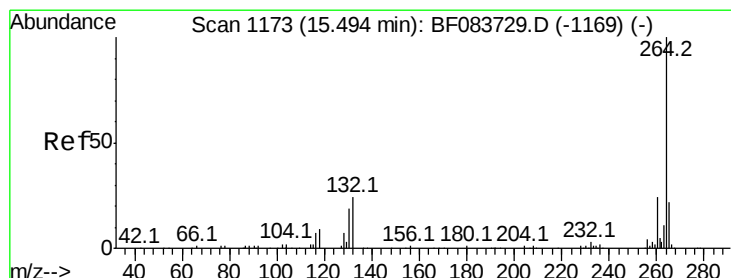
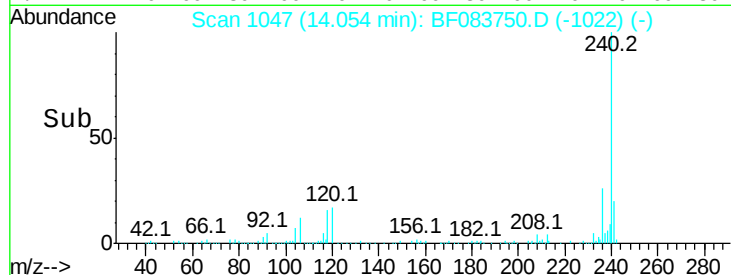
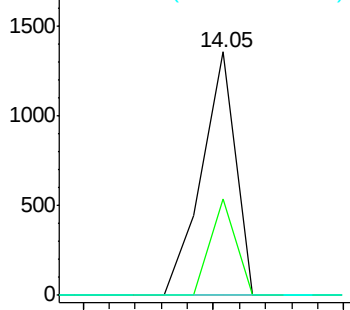
#83
Bis(2-ethylhexyl)phthalate
Concen: 0.11 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF083750.D
Acq: 14 Dec 2015 1:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	39.5	21.8	32.8#
279	0.0	3.0	4.4#

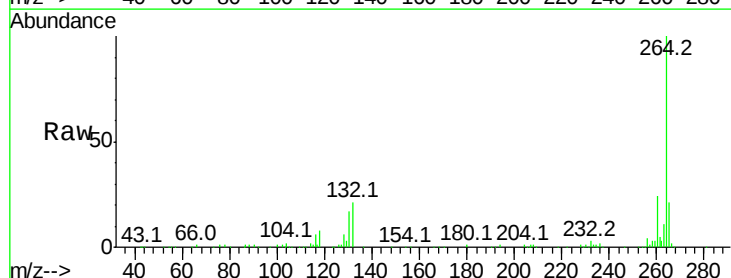


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

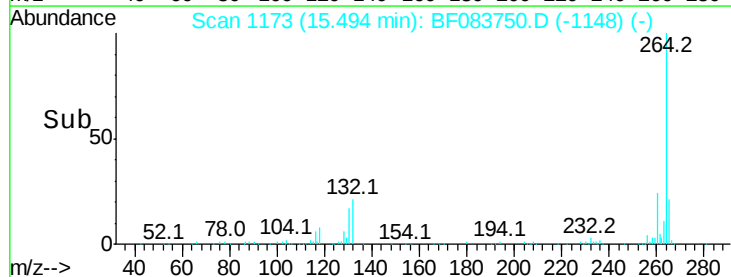
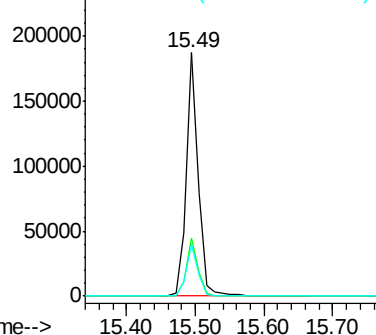


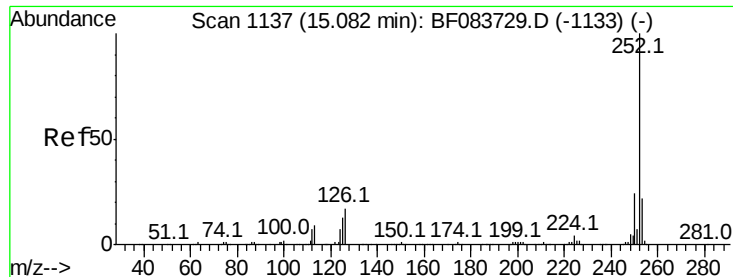
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF083750.D
Acq: 14 Dec 2015 1:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.0
265	21.3	17.8	26.6



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





#87

Benzo(b)fluoranthene

Concen: 0.10 ng

RT: 15.08 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

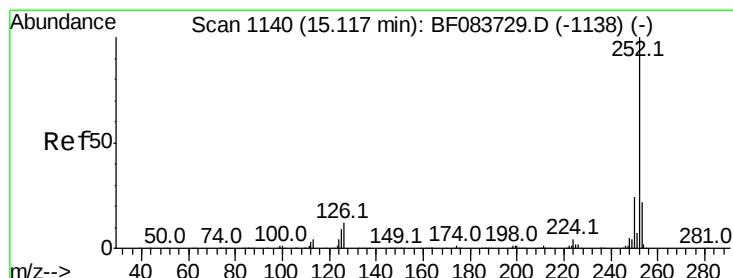
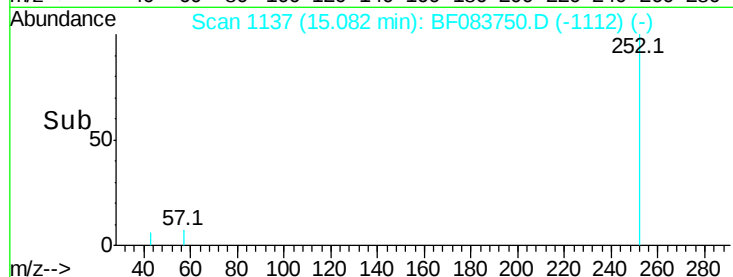
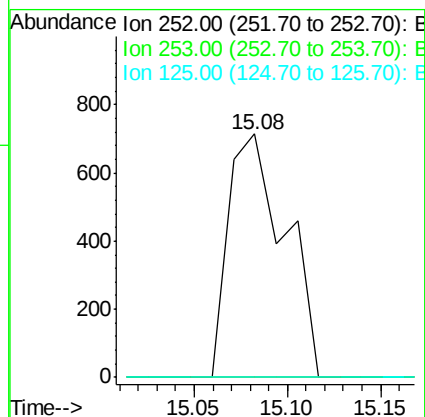
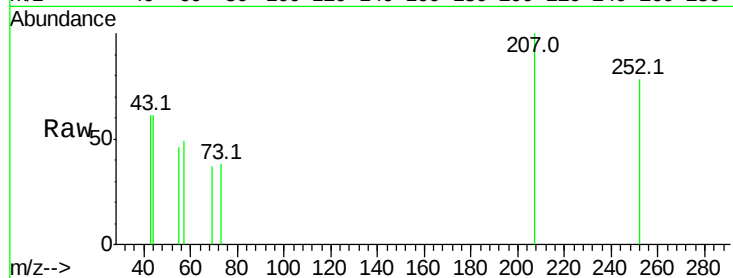
Instrument :

BNA_F

ClientSampled :

Tot Ion:252 Resp: 1513

Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.2	27.4#
125	0.0	8.2	12.4#



#88

Benzo(k)fluoranthene

Concen: 0.11 ng

RT: 15.08 min Scan# 1137

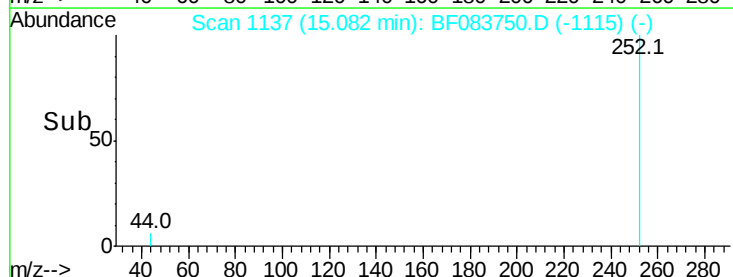
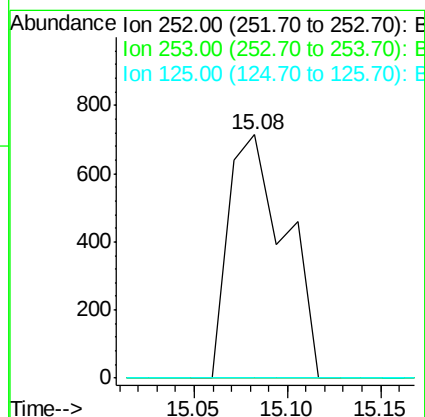
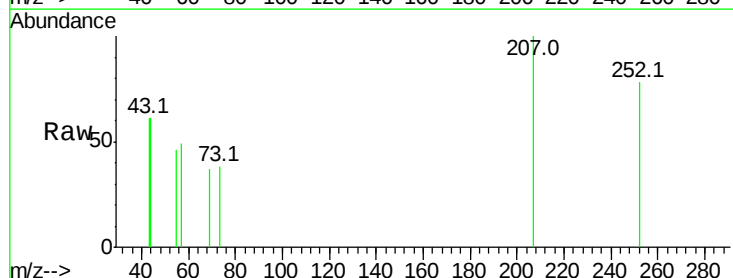
Delta R.T. -0.05 min

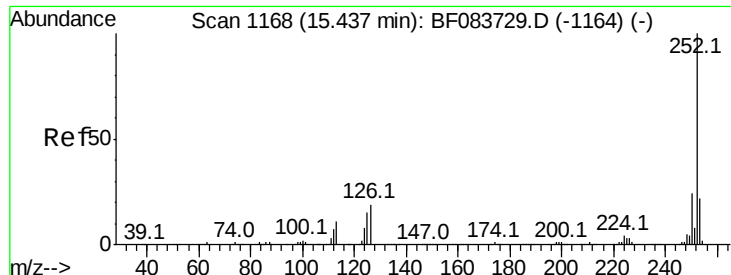
Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

Tgt Ion:252 Resp: 1513

Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.6	27.8#
125	0.0	11.5	17.3#





#89

Benzo(a)pyrene

Concen: 0.05 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.01 min

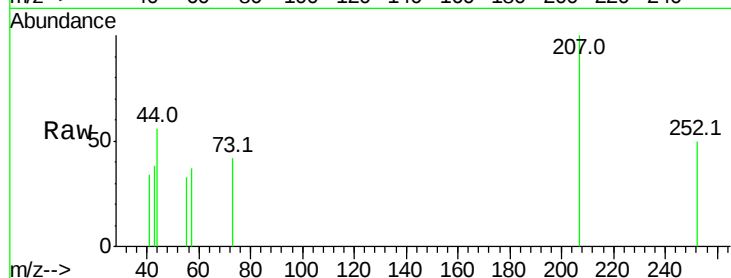
Lab File: BF083750.D

Acq: 14 Dec 2015 1:00

Instrument :

BNA_F

ClientSampleId :



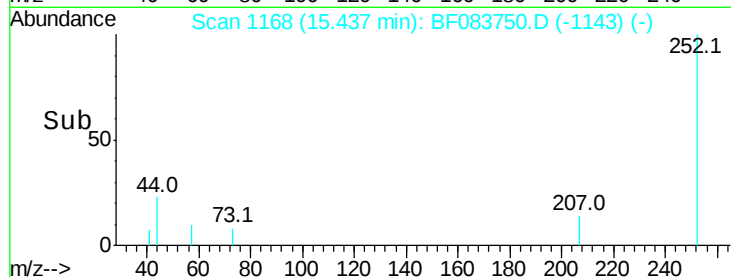
Tot Ion: 252 Resp: 660

Ion Ratio Lower Upper

252 100

253 0.0 17.5 26.3#

125 0.0 11.0 16.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

