

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
 Data File : BF083768.D
 Acq On : 14 Dec 2015 9:45
 Operator : UM/IZ
 Sample : G4648-17
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 10:33:02 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

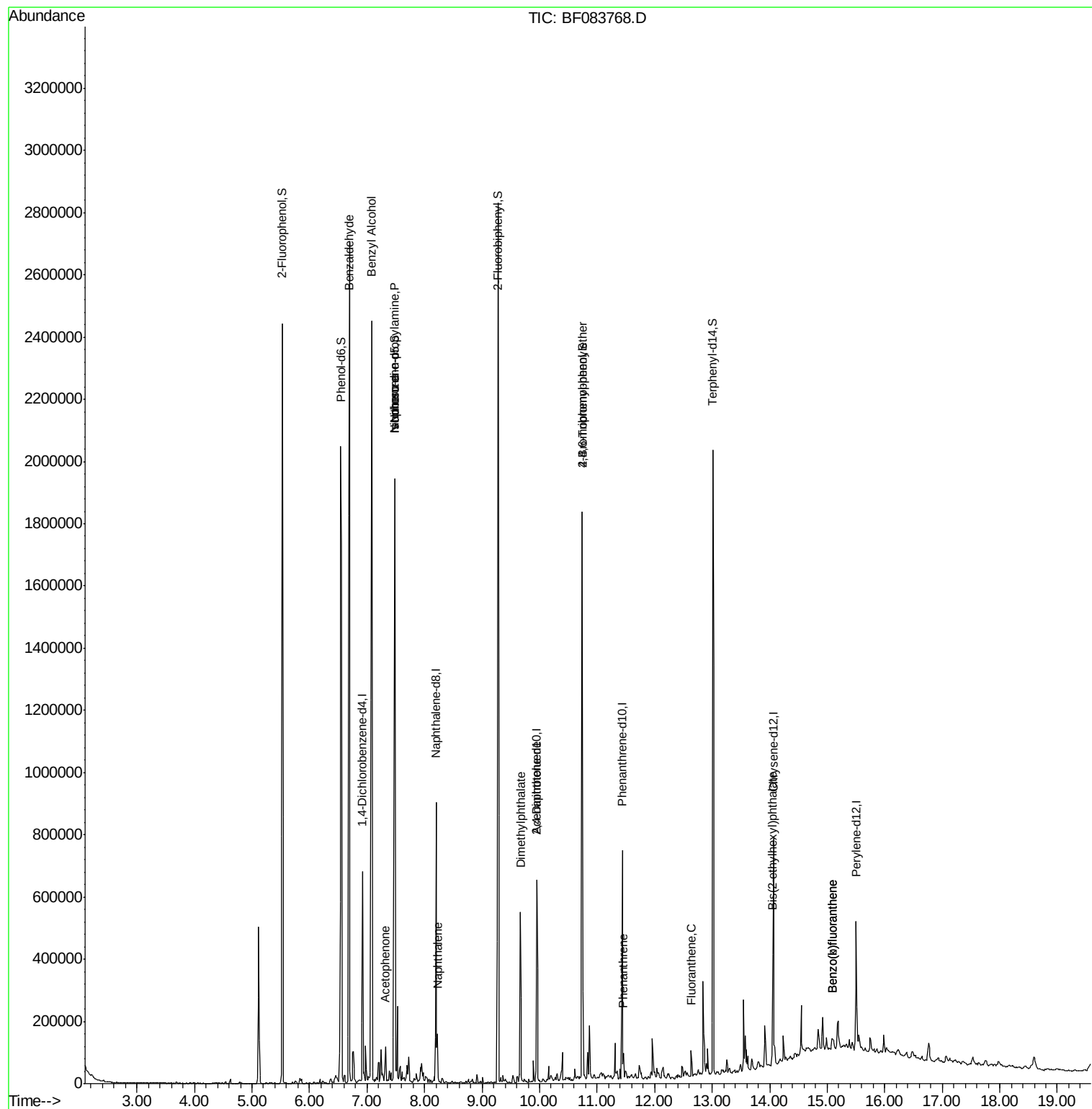
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	102567	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	374145	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	151449	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	267954	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	245839	20.00	ng	-0.01
86) Perylene-d12	15.51	264	192046	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	867143	136.39	ng	0.00
7) Phenol-d6	6.54	99	1157707	143.79	ng	0.00
23) Nitrobenzene-d5	7.48	82	719303	107.56	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	216615	140.36	ng	-0.01
44) 2-Fluorobiphenyl	9.28	172	973178	99.33	ng	-0.01
78) Terphenyl-d14	13.01	244	809873	70.86	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.69	77	21252	4.91	ng	Qvalue 96
15) Benzyl Alcohol	7.08	79	12553	2.12	ng	# 44
19) n-Nitroso-di-n-propylamine	7.48	70	99371	20.16	ng	# 70
22) Acetophenone	7.32	105	30608	3.33	ng	# 54
25) Isophorone	7.48	82	699526	53.32	ng	# 69
31) Naphthalene	8.22	128	63462	3.25	ng	99
49) Dimethylphthalate	9.66	163	274279	23.23	ng	99
56) 2,4-Dinitrotoluene	9.95	165	19144	5.85	ng	# 12
66) 4-Bromophenyl-phenylether	10.74	248	15106	5.04	ng	# 1
70) Phenanthrene	11.46	178	29943	2.10	ng	99
74) Fluoranthene	12.64	202	39601	2.69	ng	93
83) Bis(2-ethylhexyl)phthalate	14.05	149	20647	2.18	ng	99
87) Benzo(b)fluoranthene	15.08	252	27085	2.21	ng	# 85
88) Benzo(k)fluoranthene	15.08	252	27085	2.44	ng	# 89

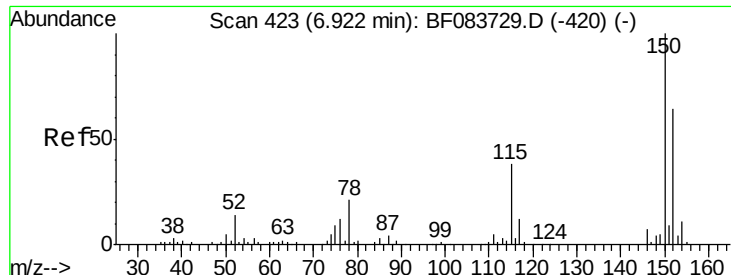
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF083768.D

Acq: 14 Dec 2015 9:45

Instrument :

BNA_F

ClientSampled :

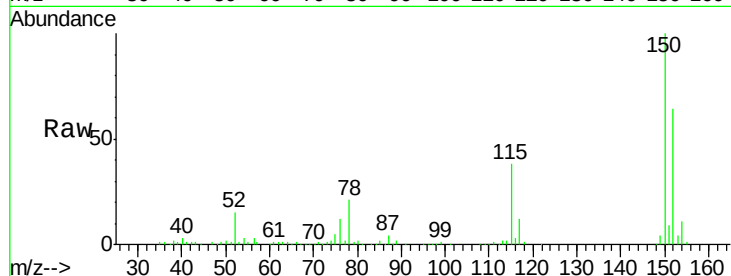
Tot Ion:152 Resp: 102567

Ion Ratio Lower Upper

152 100

150 155.9 126.5 189.7

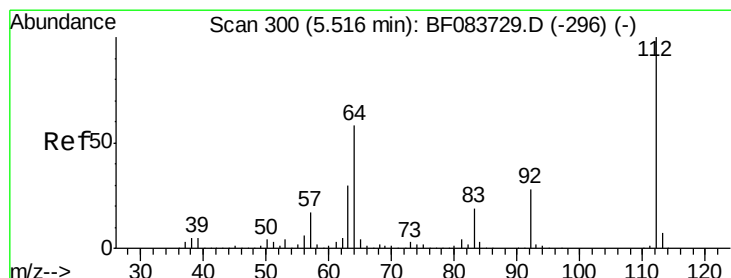
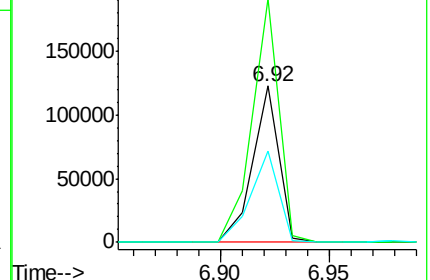
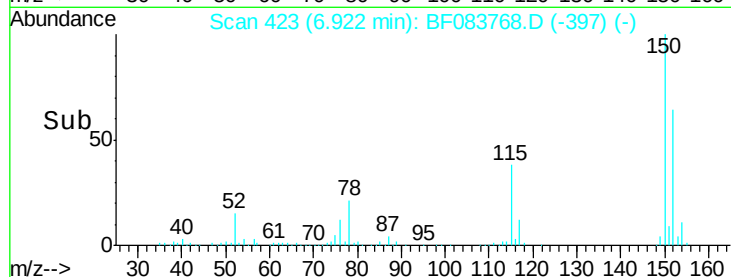
115 58.9 52.3 78.5



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: 136.39 ng

RT: 5.53 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083768.D

Acq: 14 Dec 2015 9:45

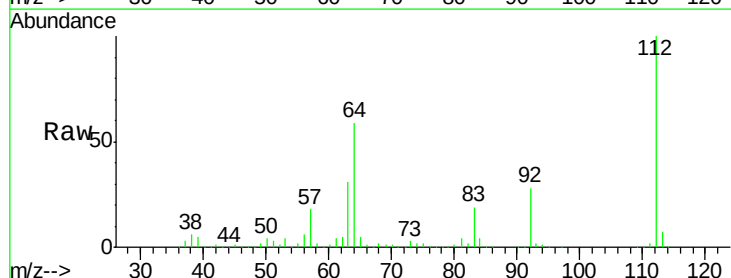
Tgt Ion:112 Resp: 867143

Ion Ratio Lower Upper

112 100

64 59.2 50.5 75.7

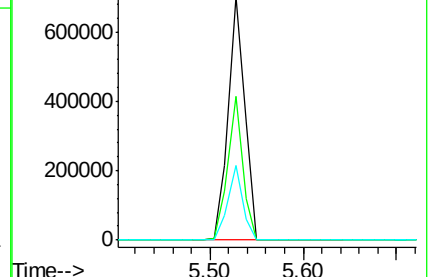
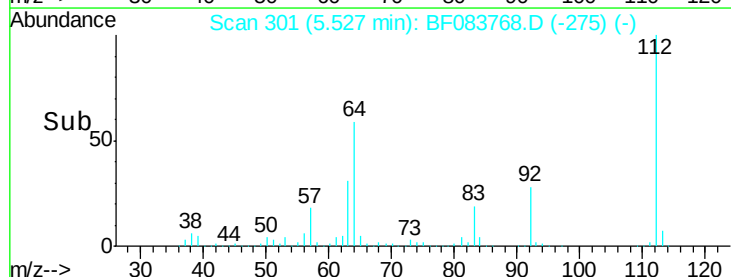
63 30.7 25.8 38.6

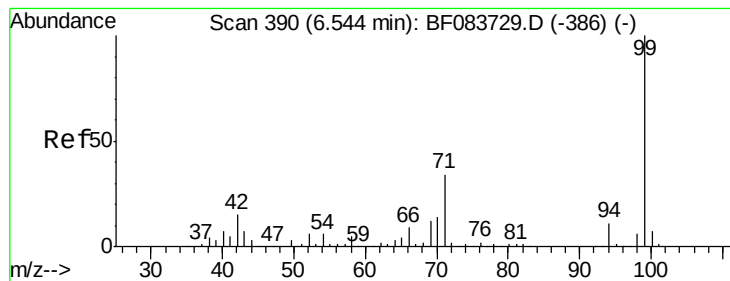


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.79 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083768.D

Acq: 14 Dec 2015 9:45

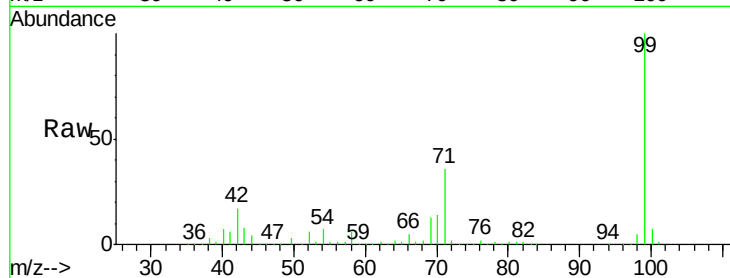
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1157707

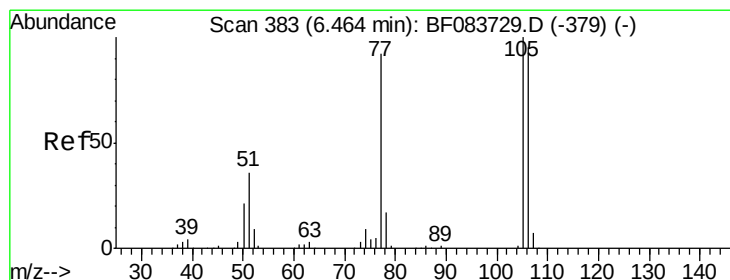
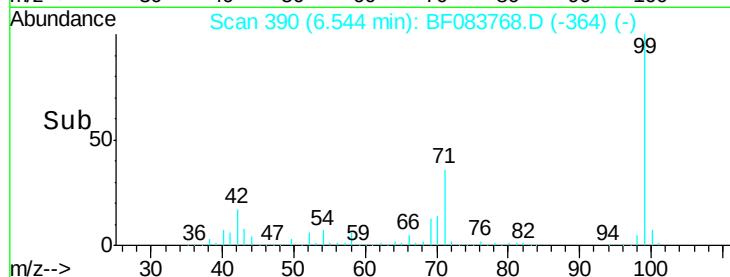
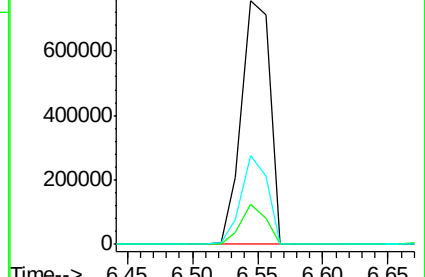
Ion	Ratio	Lower	Upper
99	100		
42	16.5	17.3	25.9#
71	36.3	26.6	40.0



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: 4.91 ng

RT: 6.69 min Scan# 403

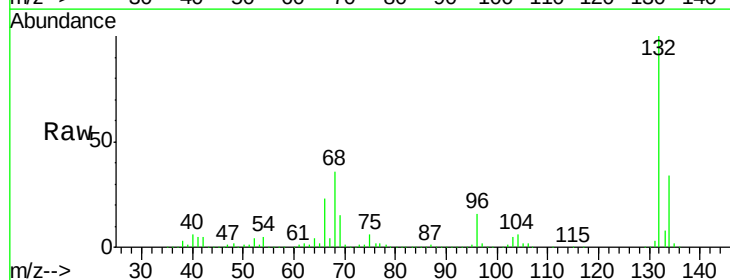
Delta R.T. 0.23 min

Lab File: BF083768.D

Acq: 14 Dec 2015 9:45

Tgt Ion: 77 Resp: 21252

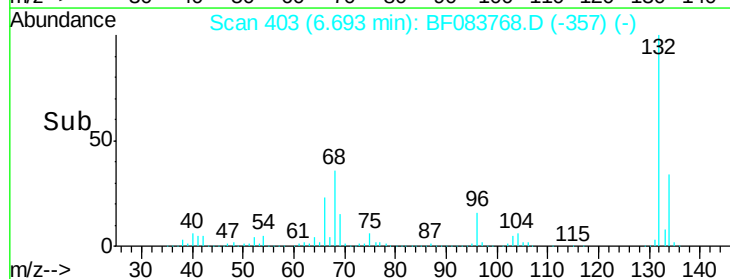
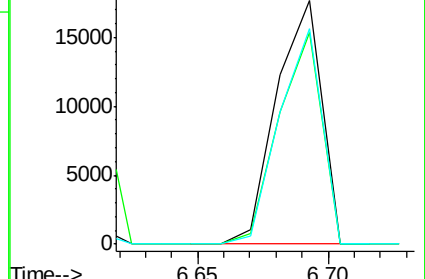
Ion	Ratio	Lower	Upper
77	100		
105	86.9	71.8	111.8
106	88.6	66.8	106.8

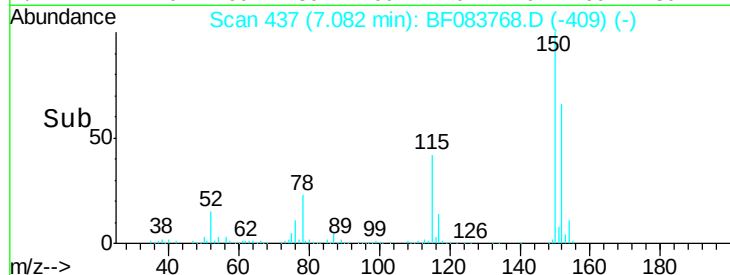
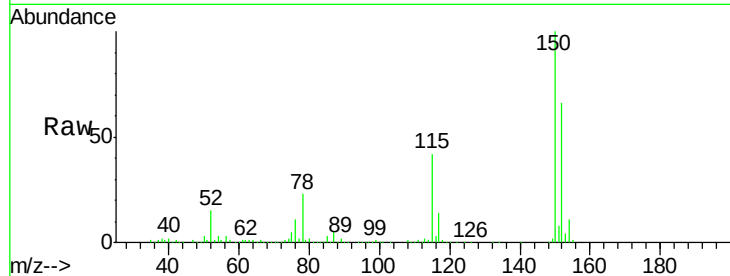
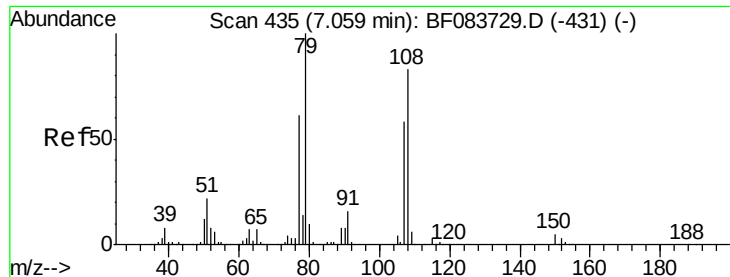


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.12 ng

RT: 7.08 min Scan# 437

Delta R.T. 0.02 min

Lab File: BF083768.D

Acq: 14 Dec 2015 9:45

Instrument :

BNA_F

ClientSampleId :

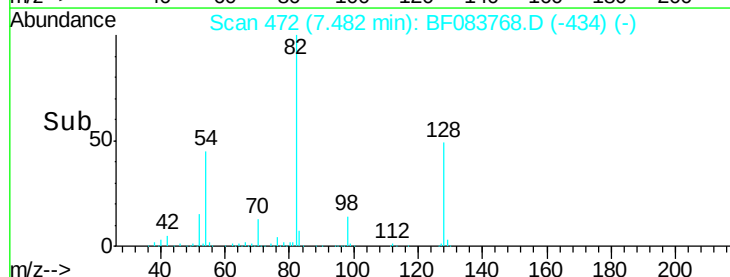
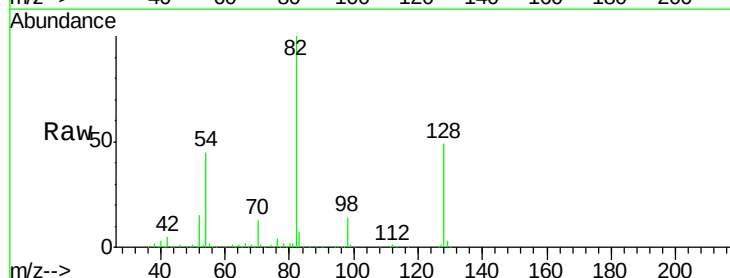
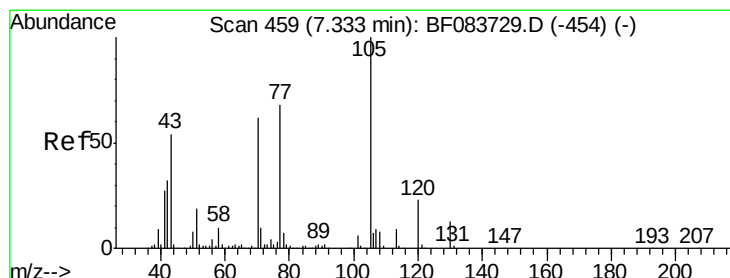
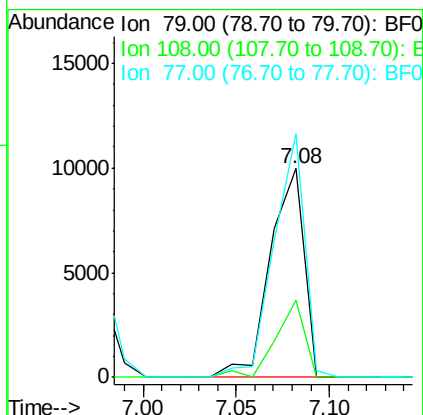
Tot Ion: 79 Resp: 12553

Ion Ratio Lower Upper

79 100

108 37.3 59.6 89.4#

77 116.7 49.8 74.6#



#19

n-Nitroso-di-n-propylamine

Concen: 20.16 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.14 min

Lab File: BF083768.D

Acq: 14 Dec 2015 9:45

Tgt Ion: 70 Resp: 99371

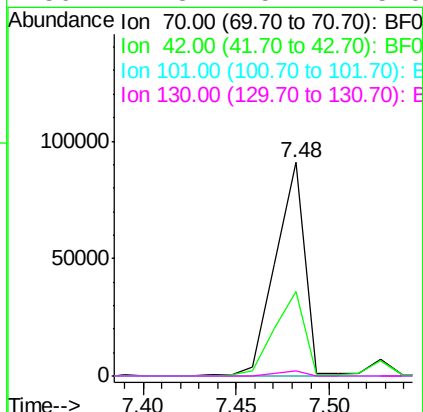
Ion Ratio Lower Upper

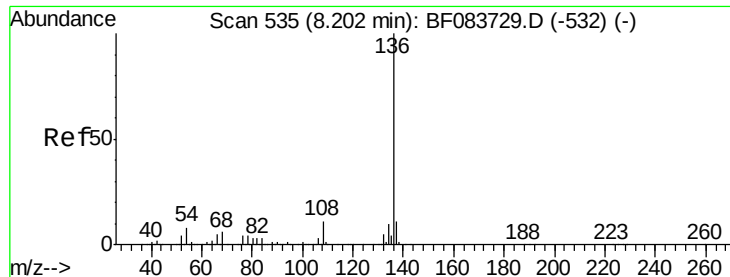
70 100

42 39.7 49.2 73.8#

101 0.0 7.1 10.7#

130 2.3 15.4 23.0#

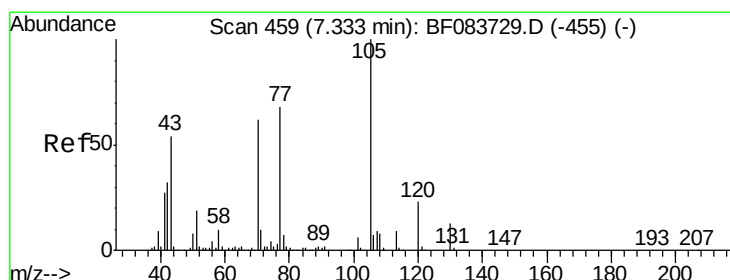
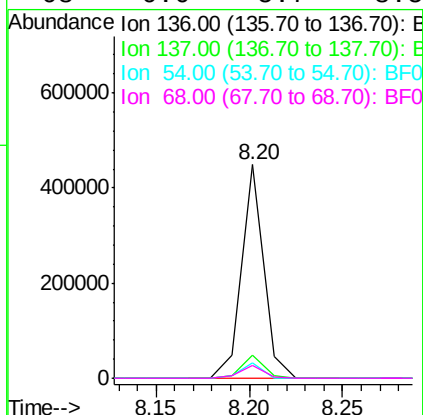
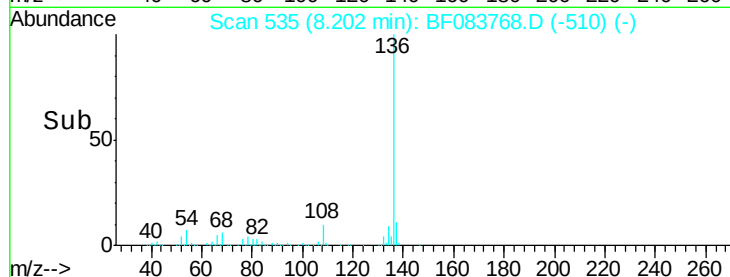
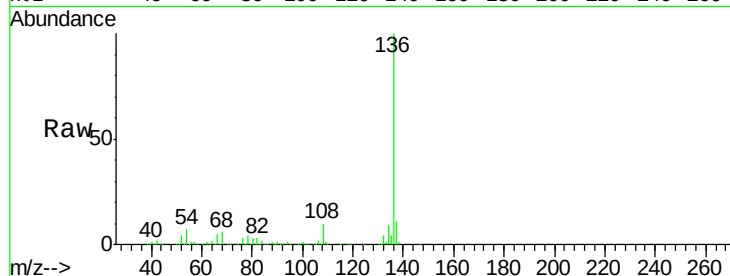




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF083768.D
Acq: 14 Dec 2015 9:45

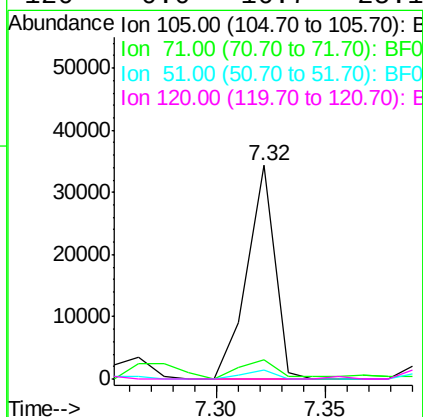
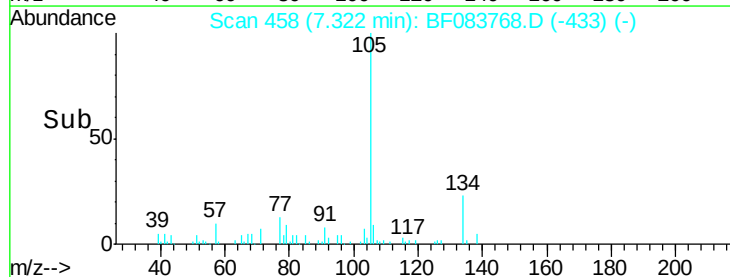
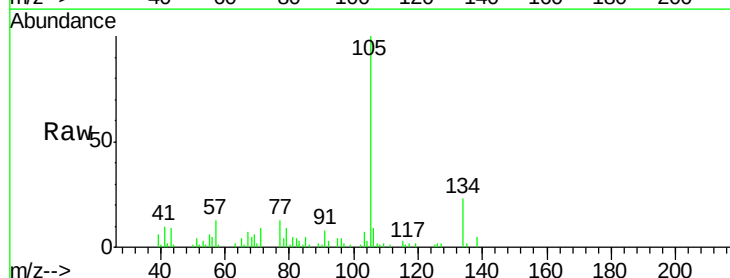
Instrument :
BNA_F
ClientSampleId :

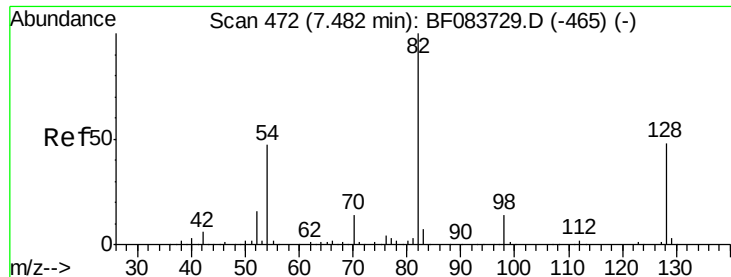
Tot Ion:136	Resp:	374145
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.7 13.1
54	7.5	7.8 11.6#
68	6.0	5.7 8.5



#22
Acetophenone
Concen: 3.33 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF083768.D
Acq: 14 Dec 2015 9:45

Tgt Ion:105	Resp:	30608
Ion Ratio	Lower	Upper
105	100	
71	9.2	1.3 1.9#
51	3.9	23.8 35.8#
120	0.0	16.7 25.1#

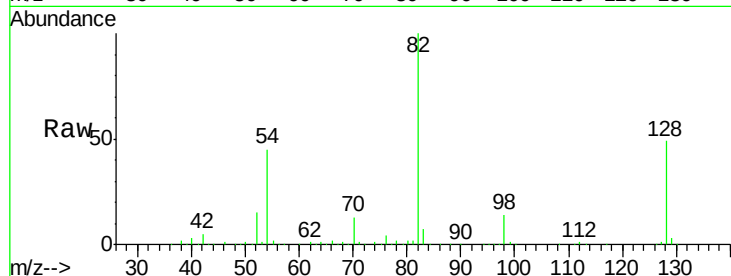




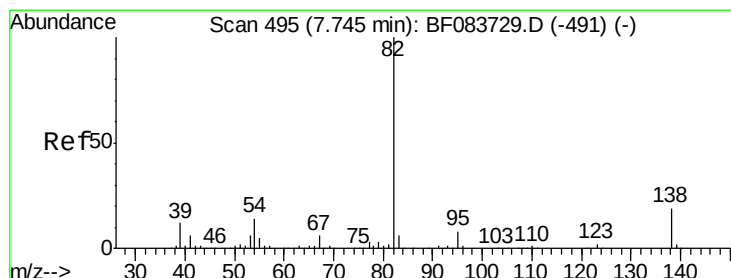
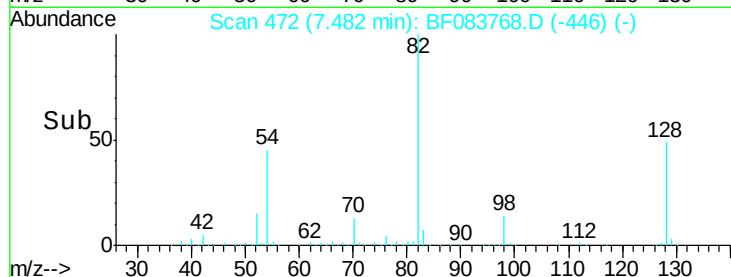
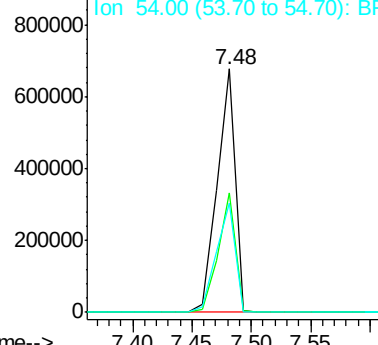
#23
 Nitrobenzene-d5
 Concen: 107.56 ng
 RT: 7.48 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: BF083768.D
 Acq: 14 Dec 2015 9:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 719303
 Ion Ratio Lower Upper
 82 100
 128 48.8 30.7 46.1#
 54 45.0 42.5 63.7

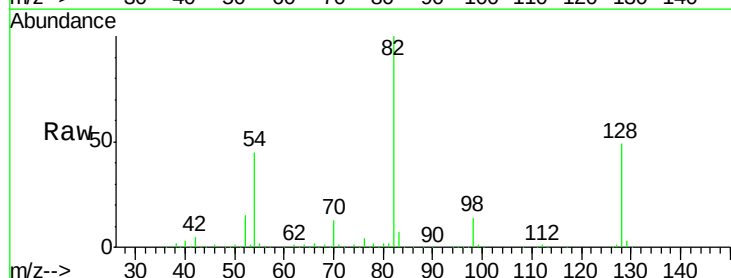


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

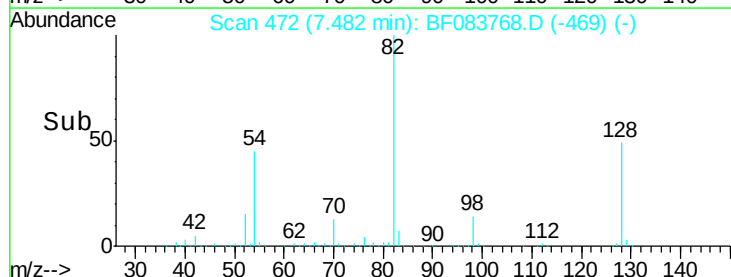
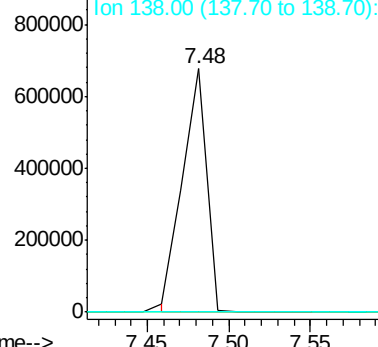


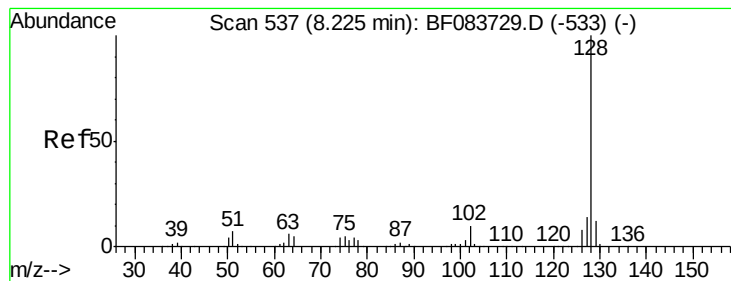
#25
 Isophorone
 Concen: 53.32 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.26 min
 Lab File: BF083768.D
 Acq: 14 Dec 2015 9:45

Tgt Ion: 82 Resp: 699526
 Ion Ratio Lower Upper
 82 100
 95 0.1 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): BF0





#31

Naphthalene

Concen: 3.25 ng

RT: 8.22 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF083768.D

Acq: 14 Dec 2015 9:45

Instrument :

BNA_F

ClientSampleId :

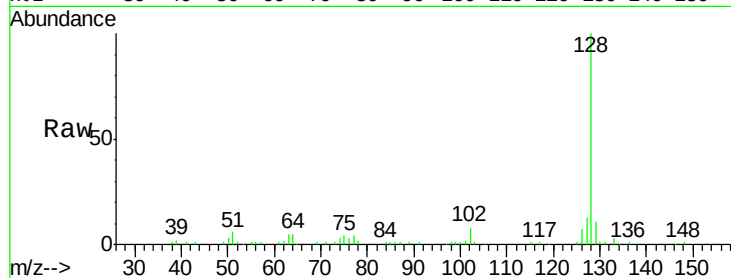
Tot Ion:128 Resp: 63462

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

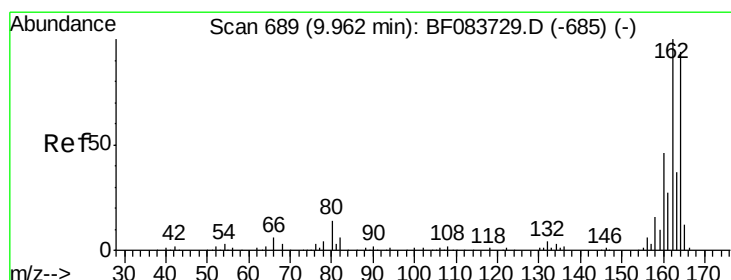
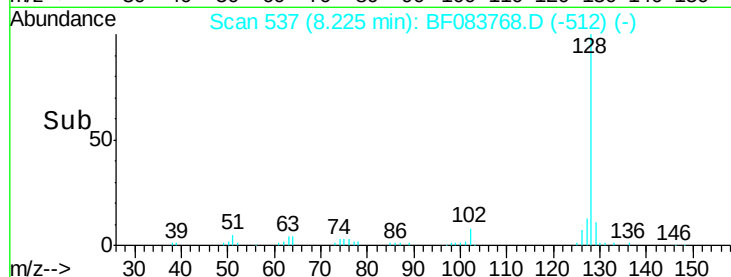
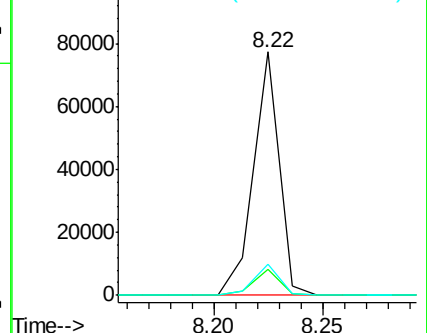
127 12.5 10.6 16.0



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: BF083768.D

Acq: 14 Dec 2015 9:45

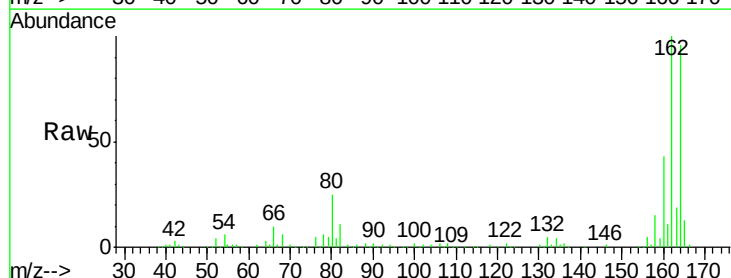
Tgt Ion:164 Resp: 151449

Ion Ratio Lower Upper

164 100

162 104.6 78.8 118.2

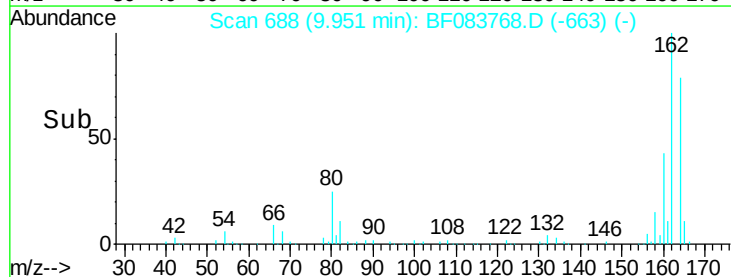
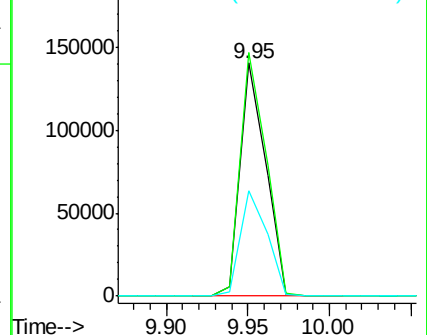
160 45.3 33.4 50.2

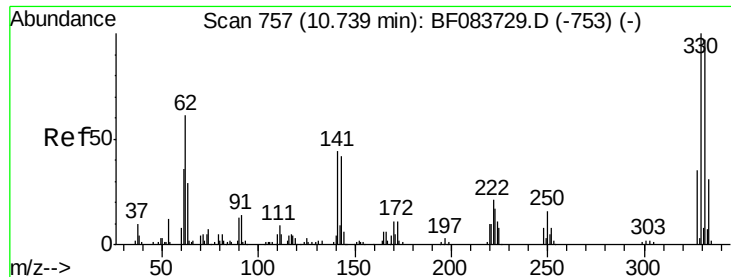


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

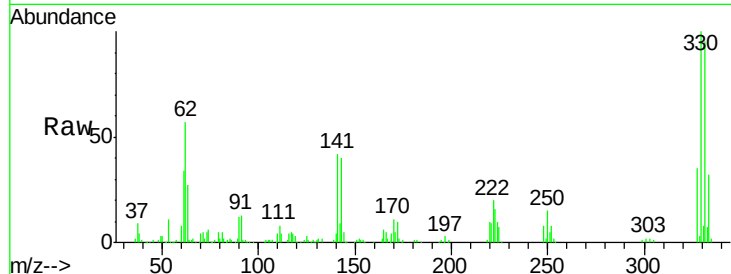




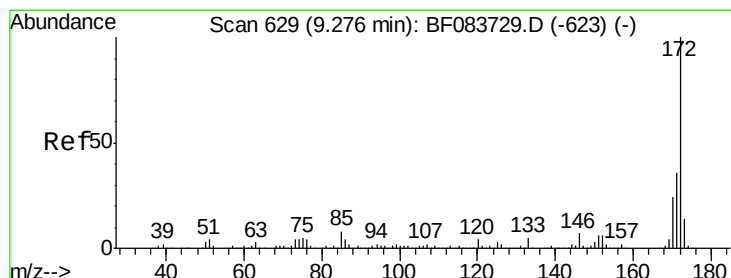
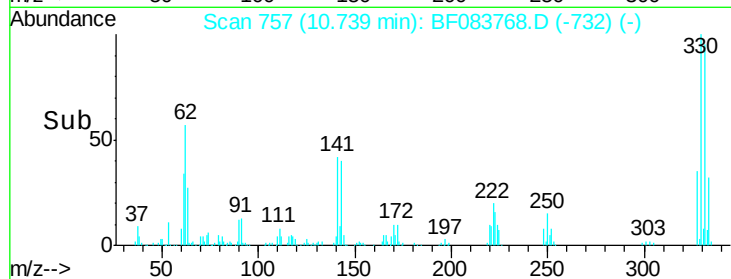
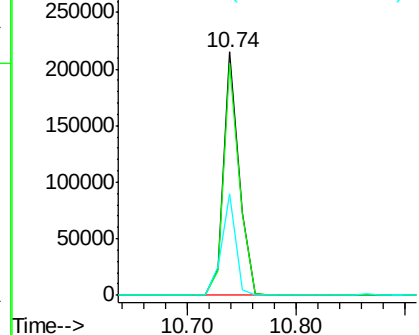
#41
 2,4,6-Tribromophenol
 Concen: 140.36 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: BF083768.D
 Acq: 14 Dec 2015 9:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	0.0	0.0#
141	39.4	0.0	0.0#

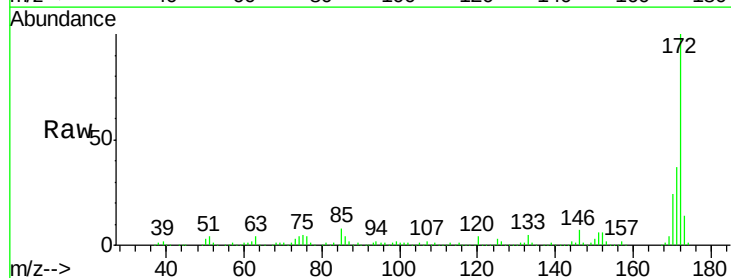


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

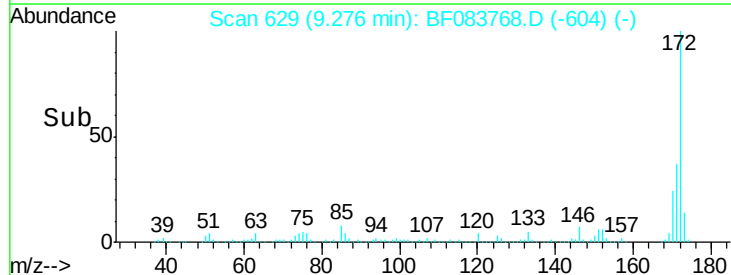
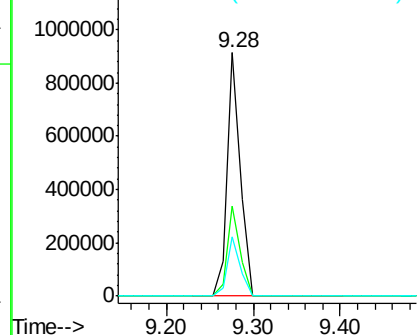


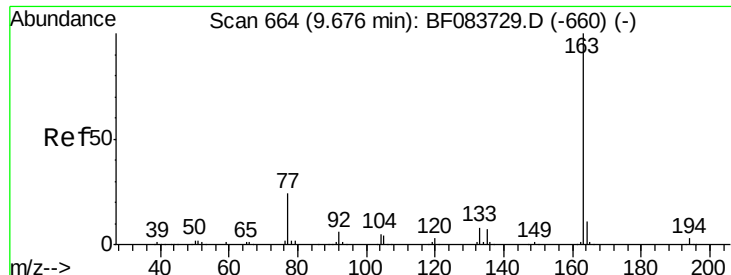
#44
 2-Fluorobiphenyl
 Concen: 99.33 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF083768.D
 Acq: 14 Dec 2015 9:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.6	42.8
170	24.1	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





#49

Dimethylphthalate

Concen: 23.23 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.02 min

Lab File: BF083768.D

Acq: 14 Dec 2015 9:45

Instrument :

BNA_F

ClientSampleId :

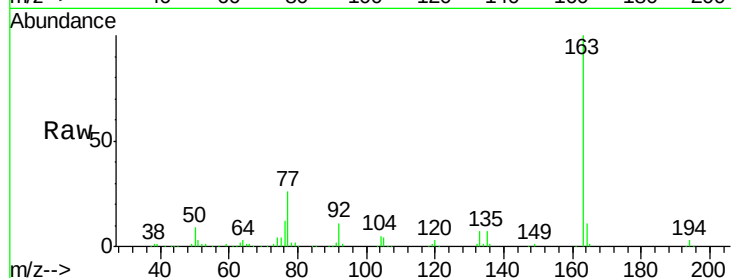
Tot Ion:163 Resp: 274279

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

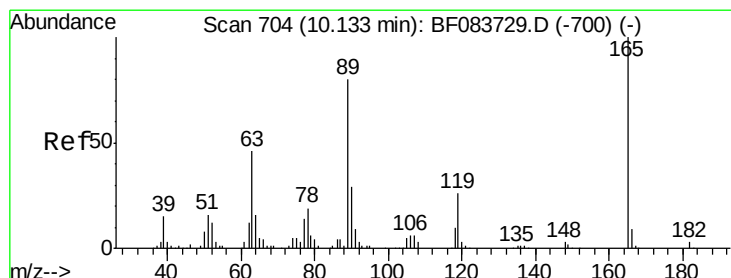
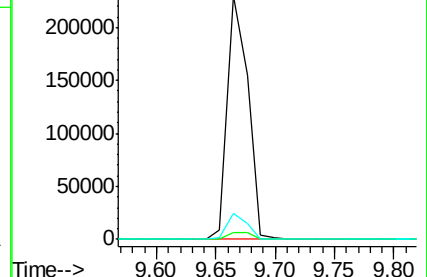
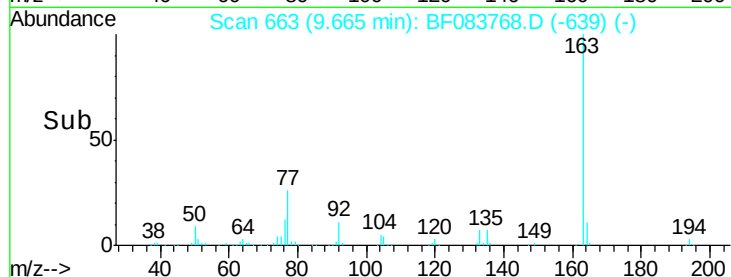
164 10.5 8.6 13.0



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



#56

2,4-Dinitrotoluene

Concen: 5.85 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.19 min

Lab File: BF083768.D

Acq: 14 Dec 2015 9:45

Tgt Ion:165 Resp: 19144

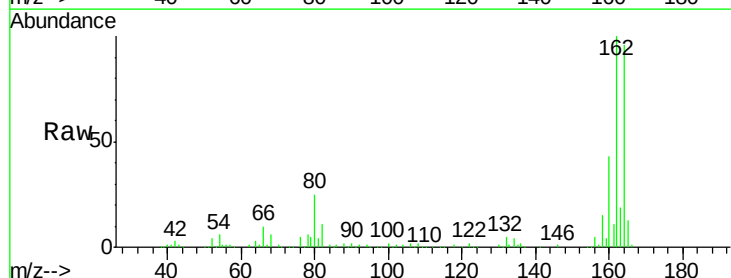
Ion Ratio Lower Upper

165 100

63 0.0 51.4 77.2#

89 1.9 72.6 108.8#

182 0.0 1.4 2.0#

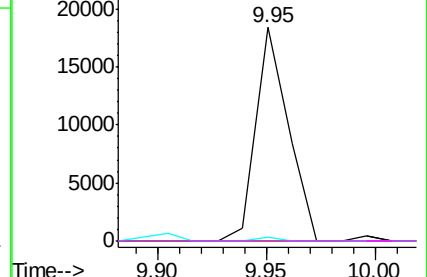
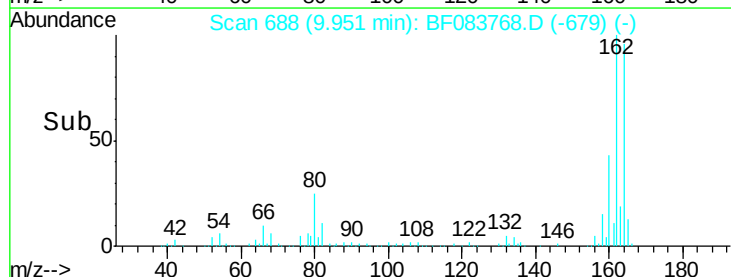


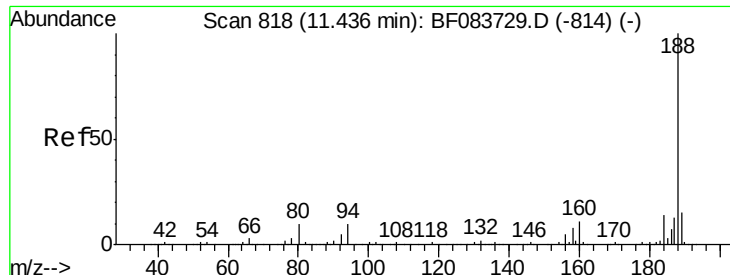
Abundance Ion 165.00 (164.70 to 165.70): E

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

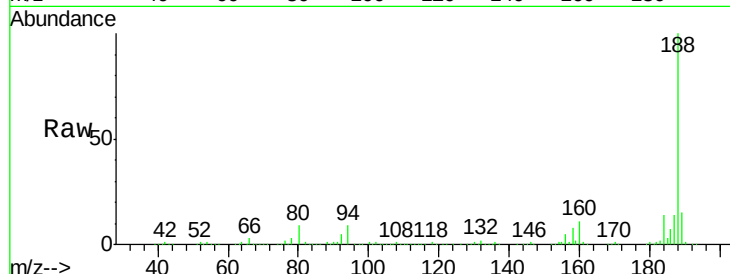




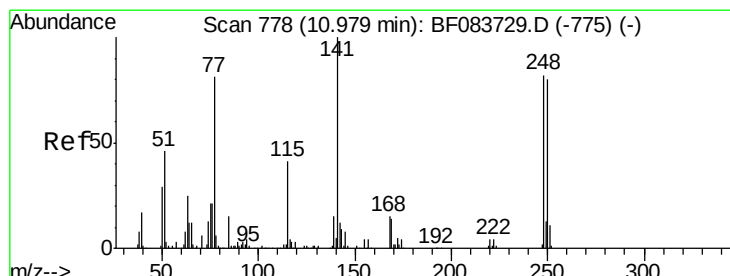
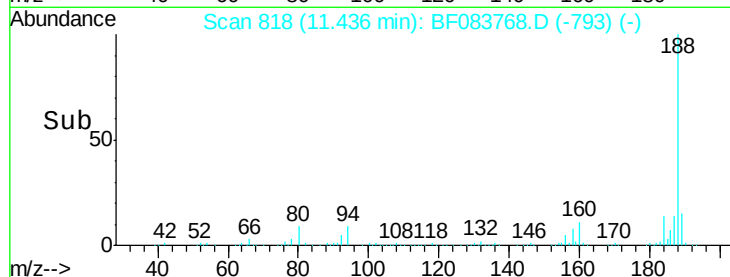
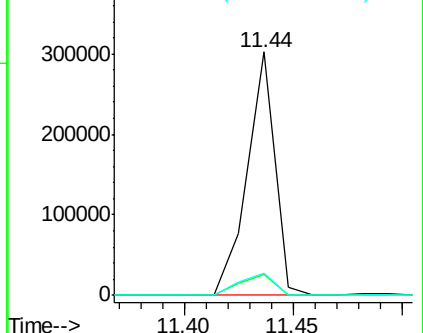
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF083768.D
 Acq: 14 Dec 2015 9:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.5	9.4	14.2#
80	8.9	10.6	16.0#

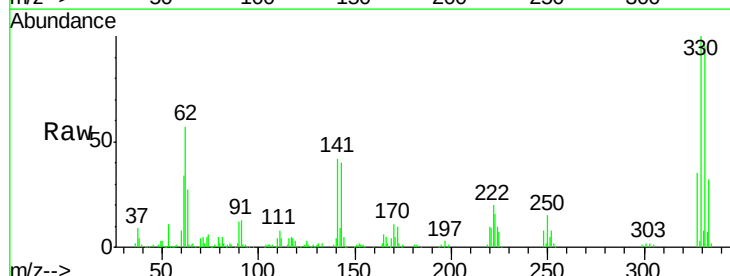


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

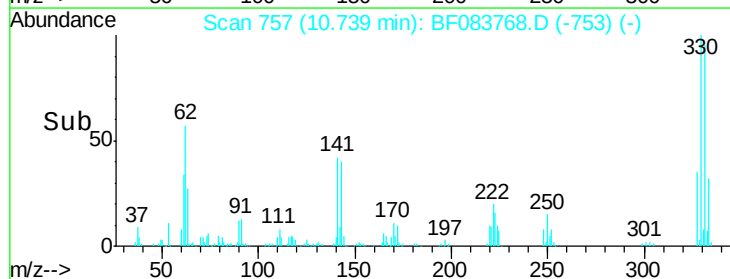
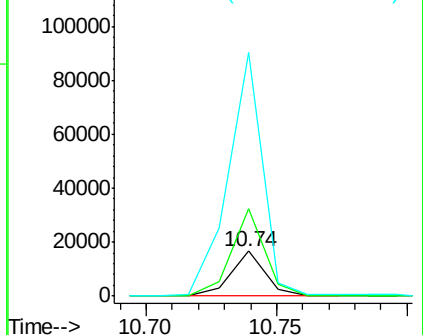


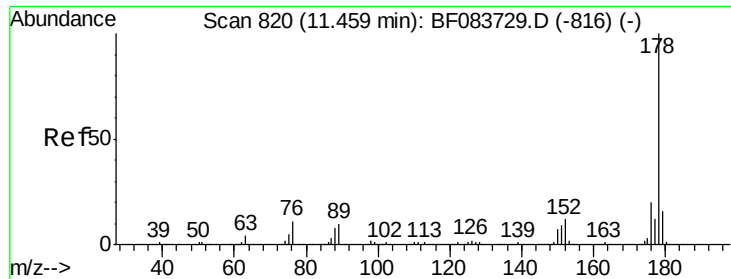
#66
 4-Bromophenyl-phenylether
 Concen: 5.04 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.25 min
 Lab File: BF083768.D
 Acq: 14 Dec 2015 9:45

Tgt Ion	Ratio	Lower	Upper
248	100		
250	194.4	79.2	118.8#
141	539.6	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

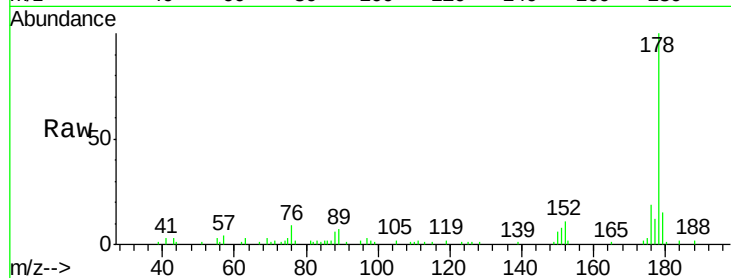




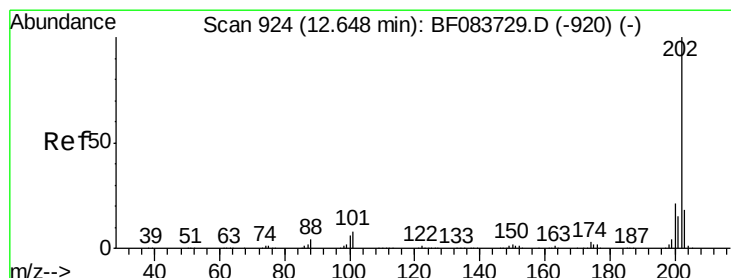
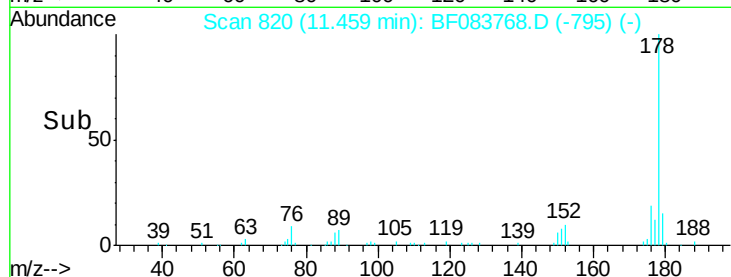
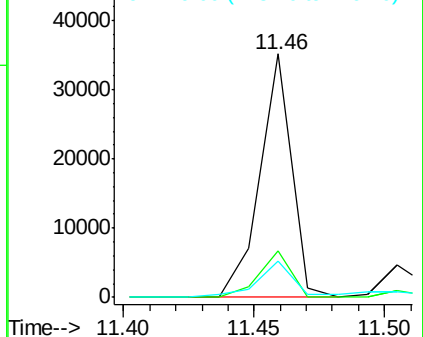
#70
Phenanthrene
Concen: 2.10 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF083768.D
Acq: 14 Dec 2015 9:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 29943
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.0 12.2 18.4

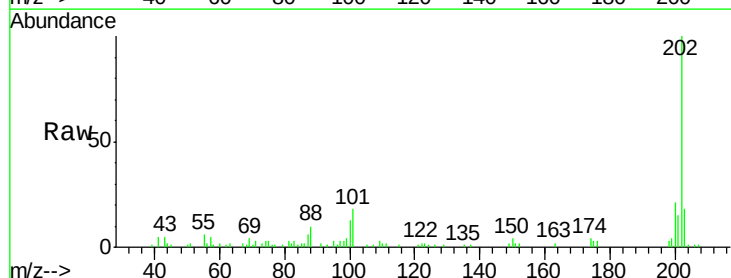


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

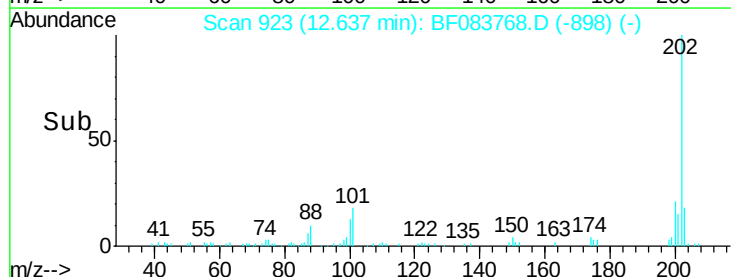
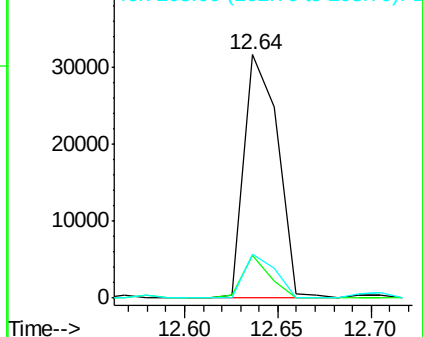


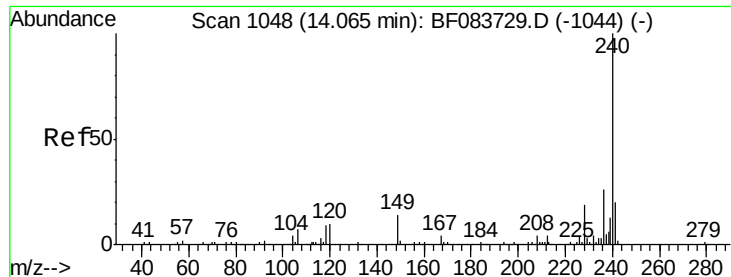
#74
Fluoranthene
Concen: 2.69 ng
RT: 12.64 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF083768.D
Acq: 14 Dec 2015 9:45

Tgt Ion:202 Resp: 39601
Ion Ratio Lower Upper
202 100
101 17.6 0.0 31.5
203 17.8 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: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF083768.D

Acq: 14 Dec 2015 9:45

Instrument :

BNA_F

ClientSampleId :

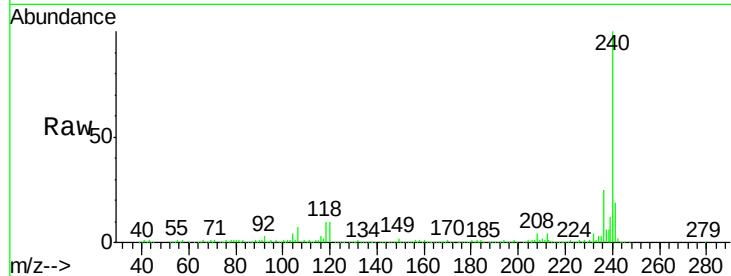
Tot Ion:240 Resp: 245839

Ion Ratio Lower Upper

240 100

120 10.4 8.1 12.1

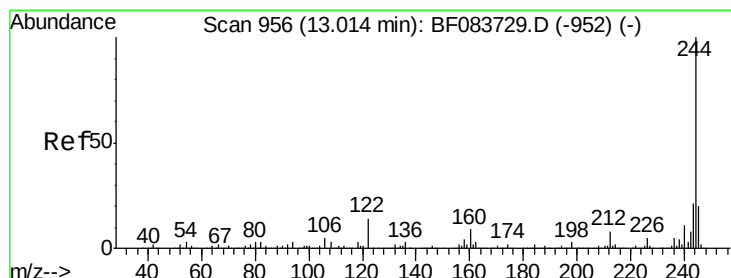
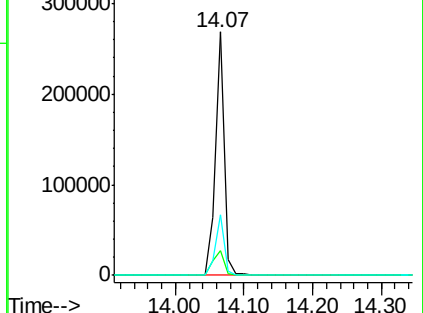
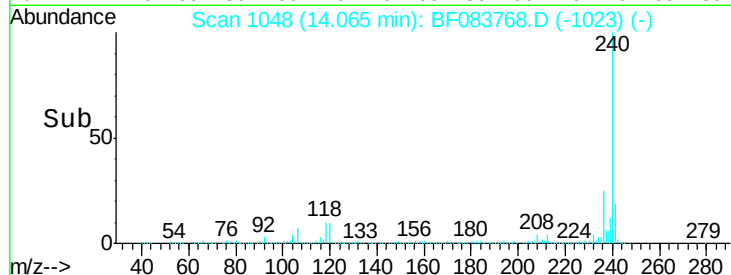
236 25.0 20.8 31.2



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



#78

Terphenyl-d14

Concen: 70.86 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF083768.D

Acq: 14 Dec 2015 9:45

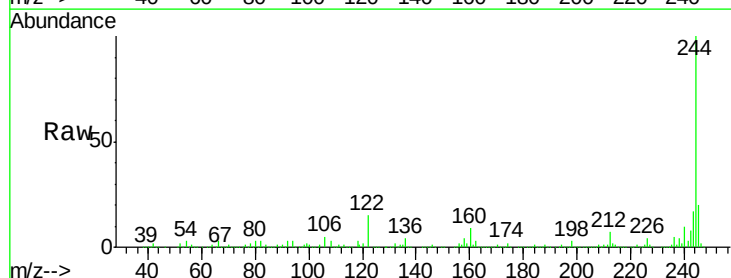
Tgt Ion:244 Resp: 809873

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

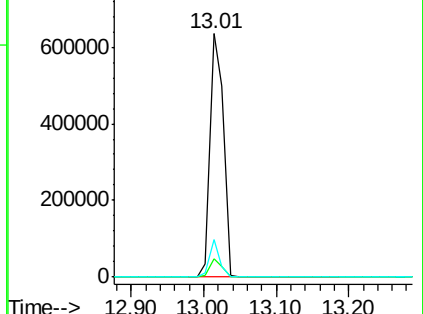
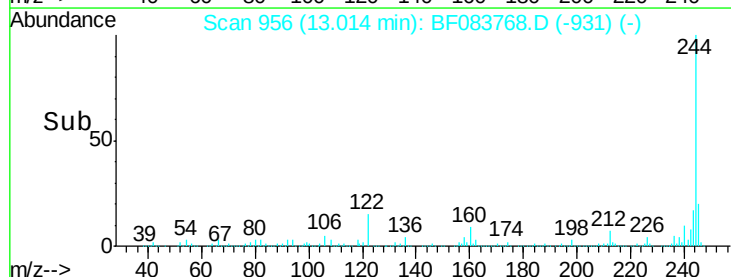
122 15.5 11.0 16.6

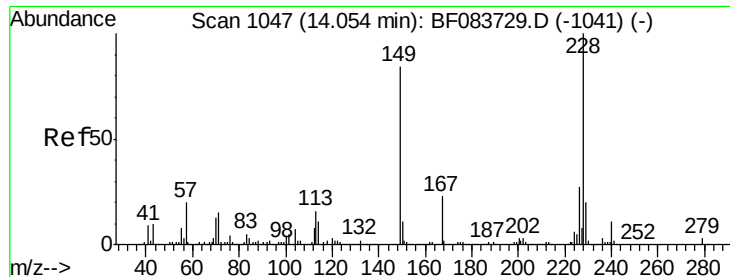


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

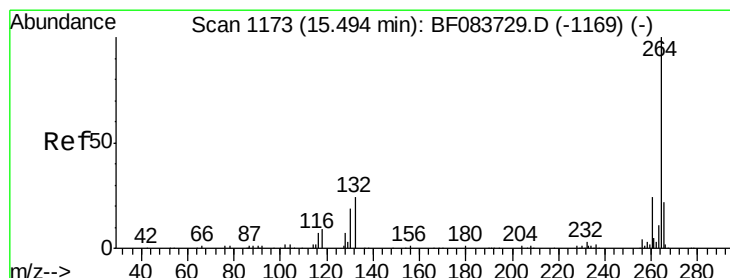
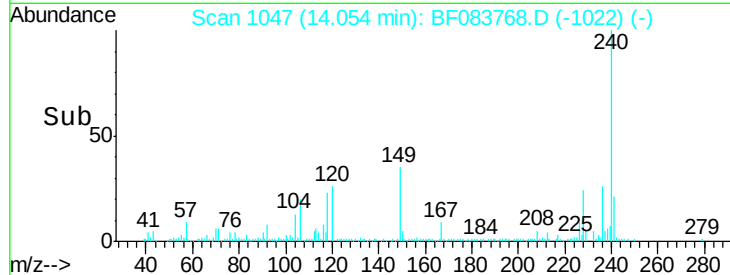
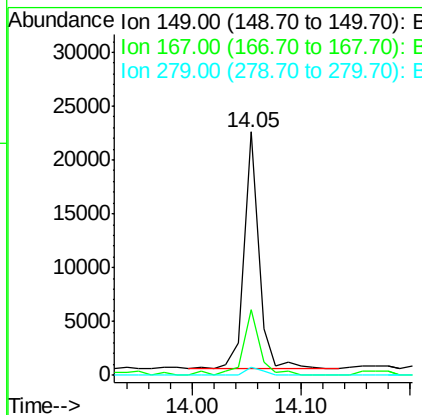
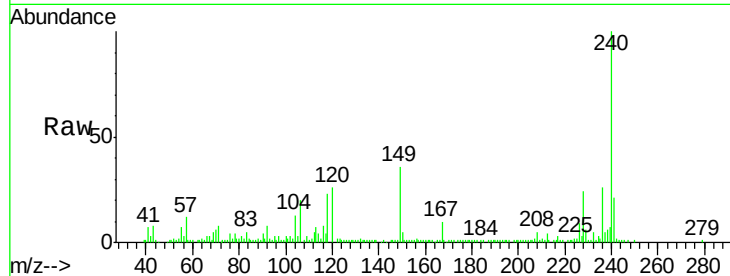




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.18 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF083768.D
 Acq: 14 Dec 2015 9:45

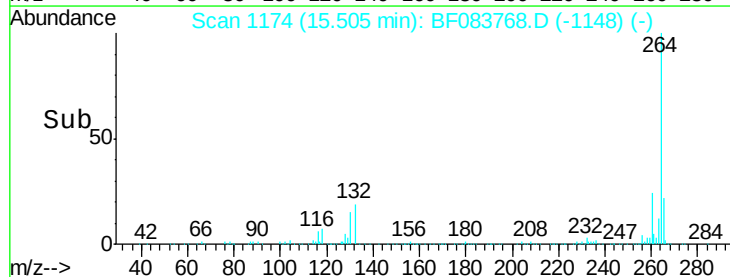
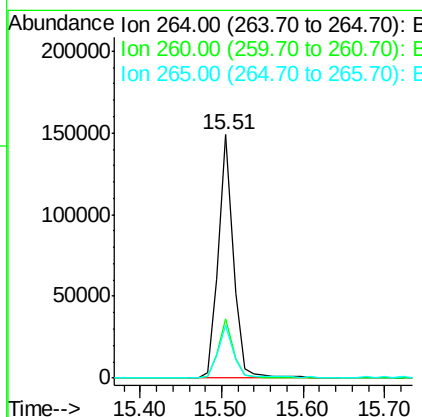
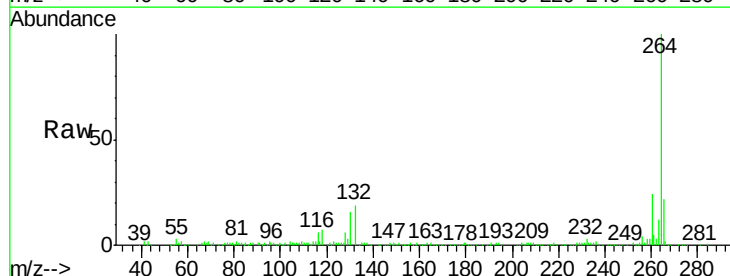
Instrument :
 BNA_F
 ClientSampleId :

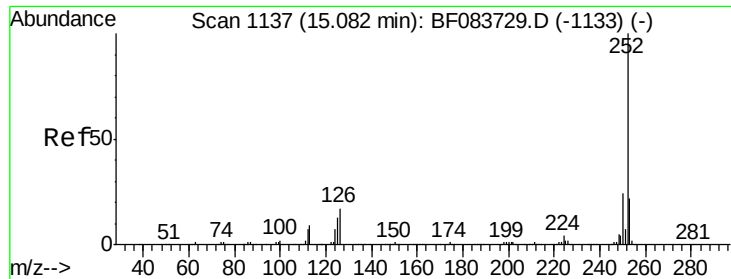
Tot Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.8	32.8
279	3.4	3.0	4.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: BF083768.D
 Acq: 14 Dec 2015 9:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.0
265	21.6	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 2.21 ng

RT: 15.08 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF083768.D

Acq: 14 Dec 2015 9:45

Instrument :

BNA_F

ClientSampleId :

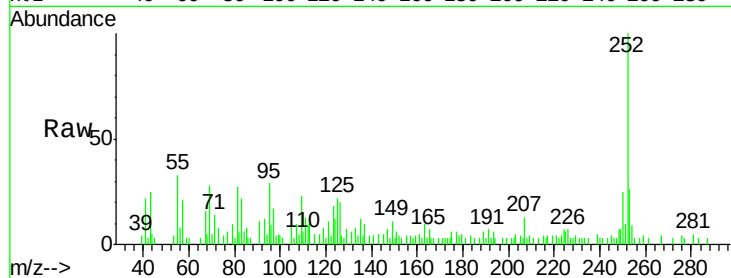
Tot Ion:252 Resp: 27085

Ion Ratio Lower Upper

252 100

253 26.1 18.2 27.4

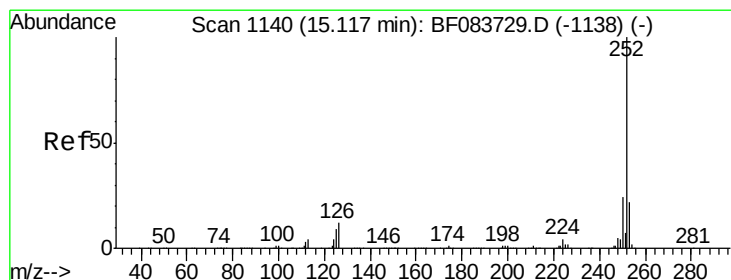
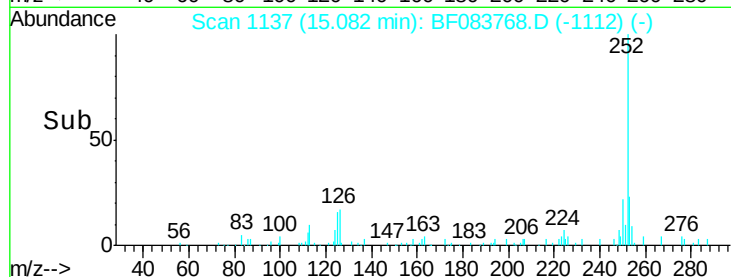
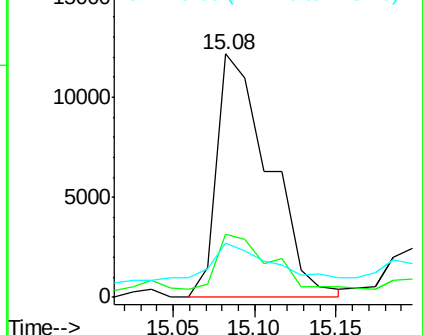
125 22.5 8.2 12.4#



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



#88

Benzo(k)fluoranthene

Concen: 2.44 ng

RT: 15.08 min Scan# 1137

Delta R.T. -0.05 min

Lab File: BF083768.D

Acq: 14 Dec 2015 9:45

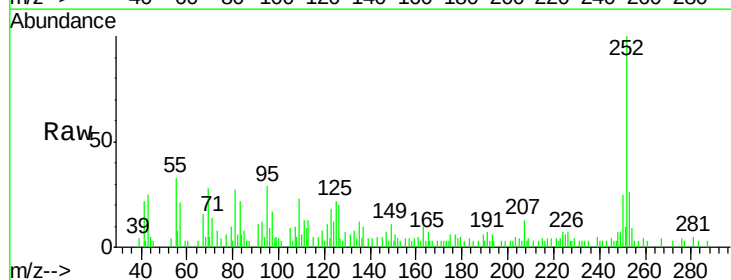
Tgt Ion:252 Resp: 27085

Ion Ratio Lower Upper

252 100

253 26.1 18.6 27.8

125 22.5 11.5 17.3#



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

