

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
 Data File : BF084930.D
 Acq On : 8 Feb 2016 15:59
 Operator : SJ/IZ
 Sample : H1311-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(10-12)

Quant Time: Feb 09 02:35:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

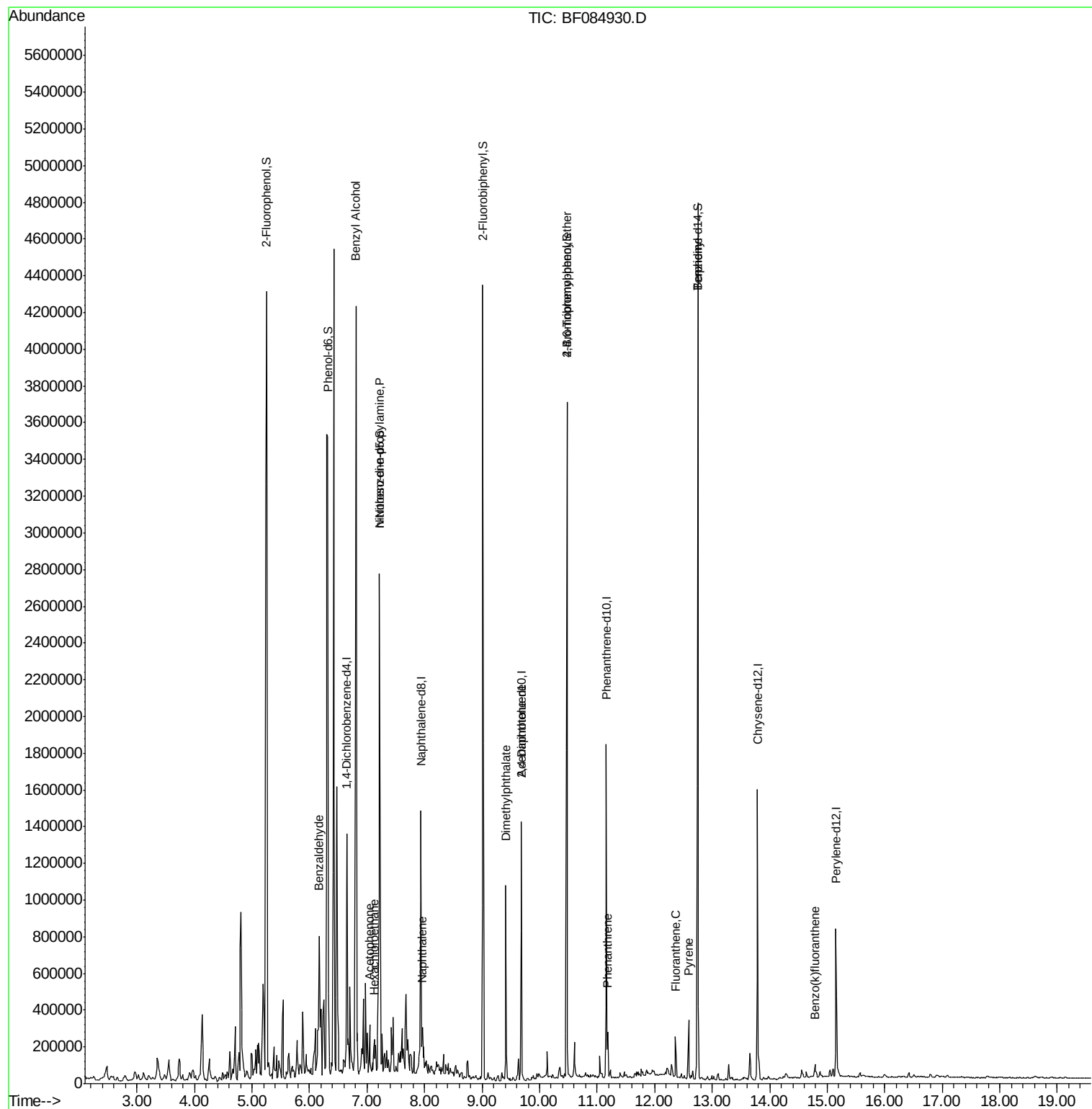
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	164224	20.00	ng	-0.03
21) Naphthalene-d8	7.94	136	702601	20.00	ng	-0.03
38) Acenaphthene-d10	9.69	164	334147	20.00	ng	-0.05
63) Phenanthrene-d10	11.16	188	630198	20.00	ng	-0.05
75) Chrysene-d12	13.79	240	529070	20.00	ng	-0.05
86) Perylene-d12	15.15	264	375599	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	1537265	145.80	ng	-0.02
7) Phenol-d6	6.32	99	1998813	152.92	ng	-0.02
23) Nitrobenzene-d5	7.22	82	1070430	85.82	ng	-0.05
41) 2,4,6-Tribromophenol	10.48	330	455165	130.59	ng	-0.05
44) 2-Fluorobiphenyl	9.01	172	1641252	81.60	ng	-0.05
78) Terphenyl-d14	12.75	244	1484811	63.60	ng	-0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.17	77	44438	5.76	ng	# 1
15) Benzyl Alcohol	6.81	79	23334	2.59	ng	# 47
18) Hexachloroethane	7.13	117	12459	2.57	ng	# 1
19) n-Nitroso-di-n-propylamine	7.22	70	151414	18.48	ng	# 71
22) Acetophenone	7.05	105	52569	2.84	ng	# 54
31) Naphthalene	7.96	128	71080	2.02	ng	# 92
49) Dimethylphthalate	9.41	163	383278	15.06	ng	# 91
56) 2,4-Dinitrotoluene	9.69	165	42422	5.98	ng	# 22
66) 4-Bromophenyl-phenylether	10.48	248	31034	4.46	ng	# 1
70) Phenanthrene	11.18	178	87611	2.51	ng	99
74) Fluoranthene	12.36	202	109463	3.09	ng	99
76) Benzidine	12.75	184	23155	7.71	ng	97
77) Pyrene	12.59	202	103996	2.57	ng	98
88) Benzo(k)fluoranthene	14.79	252	46348	2.22	ng	98

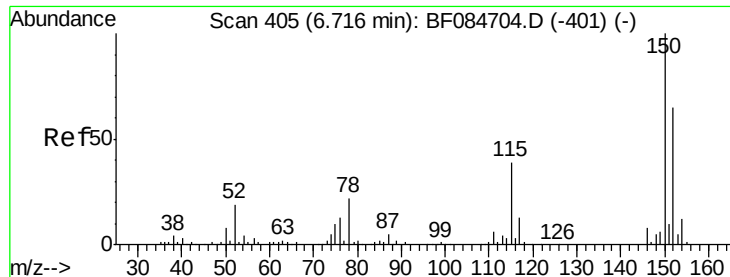
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 399

Delta R.T. -0.03 min

Lab File: BF084930.D

Acq: 8 Feb 2016 15:59

Instrument :

BNA_F

ClientSampleId :

SUP-B017(10-12)

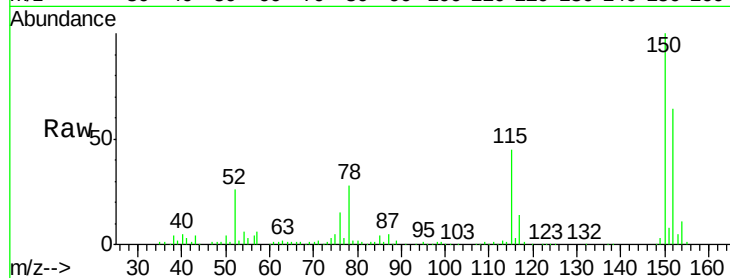
Tgt Ion:152 Resp: 164224

Ion Ratio Lower Upper

152 100

150 157.2 123.0 184.4

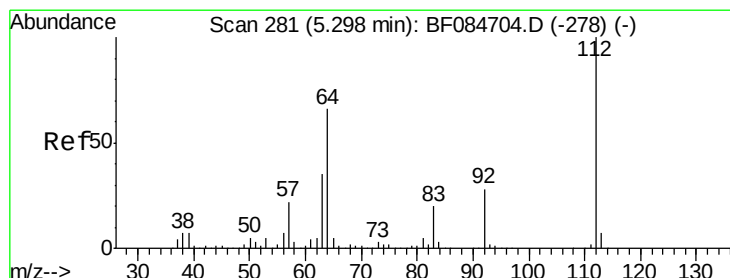
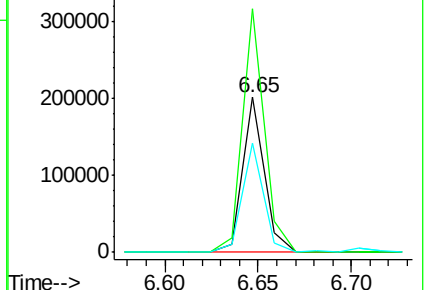
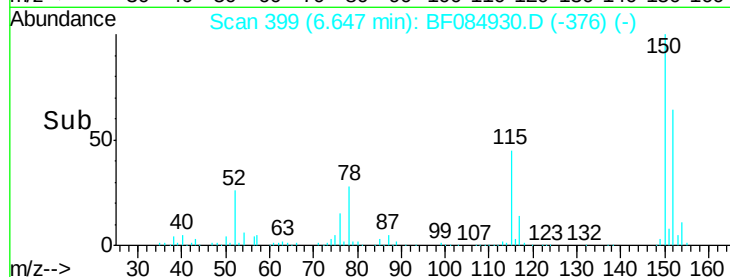
115 70.7 51.4 77.2



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: 145.80 ng

RT: 5.25 min Scan# 277

Delta R.T. -0.02 min

Lab File: BF084930.D

Acq: 8 Feb 2016 15:59

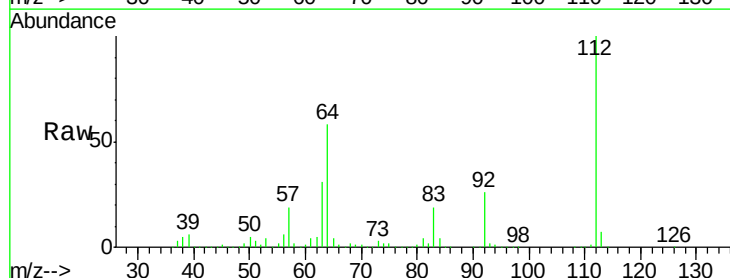
Tgt Ion:112 Resp: 1537265

Ion Ratio Lower Upper

112 100

64 58.0 36.6 55.0#

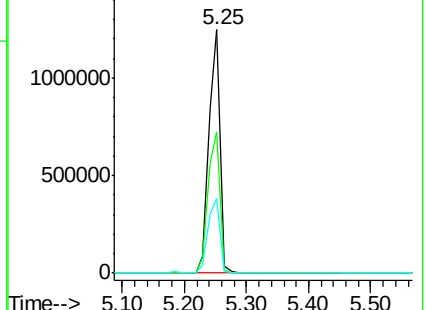
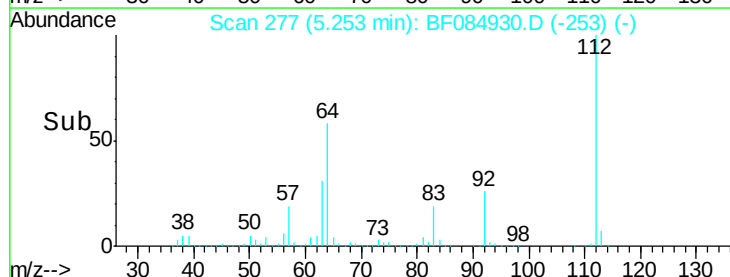
63 30.7 19.4 29.0#

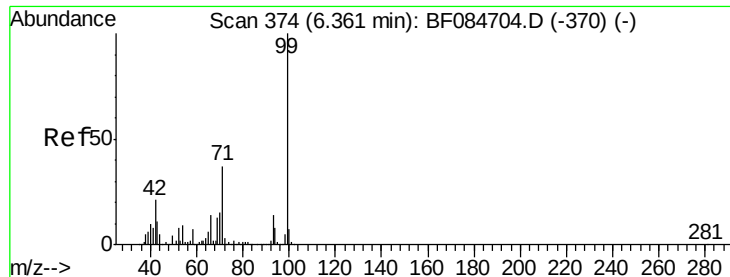


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 152.92 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.02 min

Lab File: BF084930.D

Acq: 8 Feb 2016 15:59

Instrument :

BNA_F

ClientSampleId :

SUP-B017(10-12)

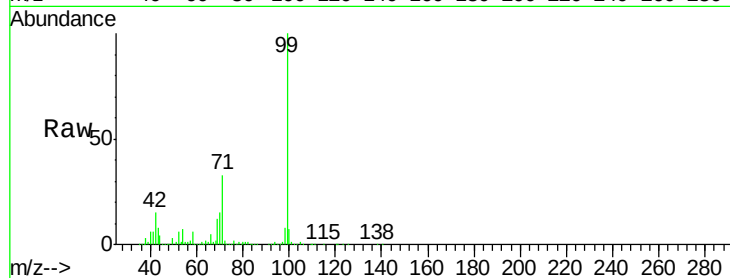
Tgt Ion: 99 Resp: 1998813

Ion Ratio Lower Upper

99 100

42 15.1 12.8 19.2

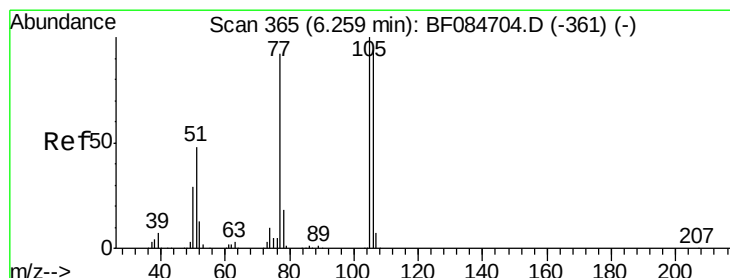
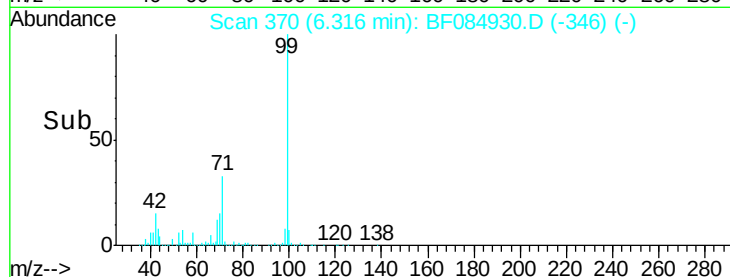
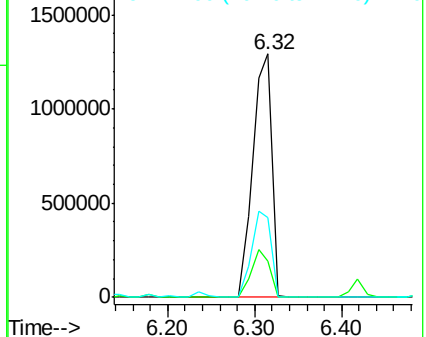
71 32.7 30.9 46.3



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: 5.76 ng

RT: 6.17 min Scan# 357

Delta R.T. -0.07 min

Lab File: BF084930.D

Acq: 8 Feb 2016 15:59

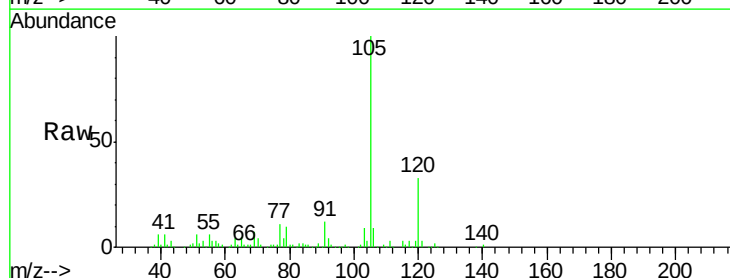
Tgt Ion: 77 Resp: 44438

Ion Ratio Lower Upper

77 100

105 889.9 83.0 123.0#

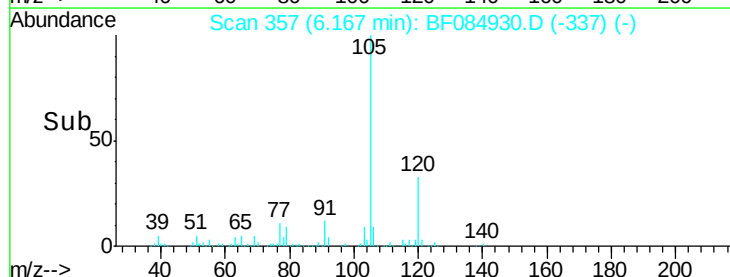
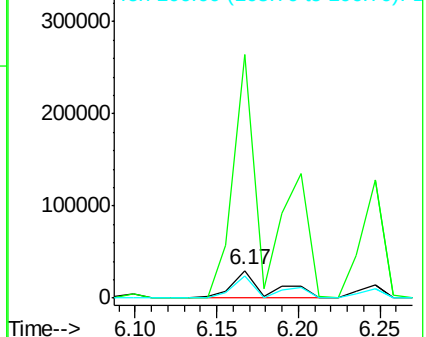
106 79.3 74.6 114.6

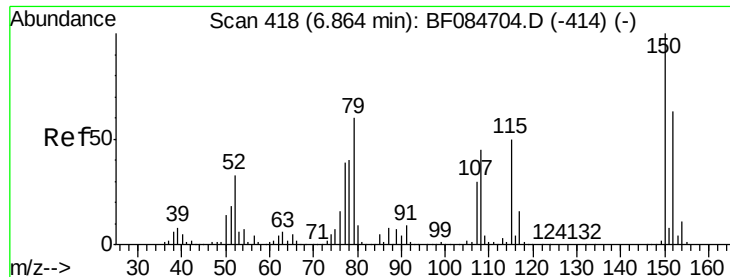


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

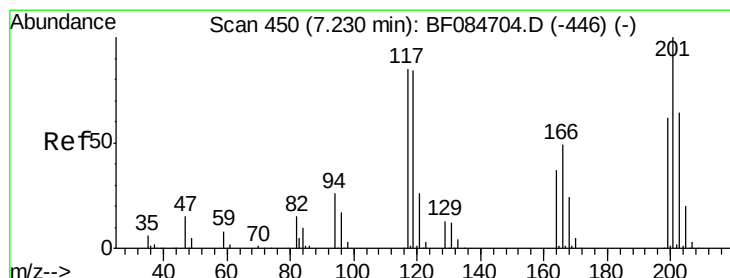
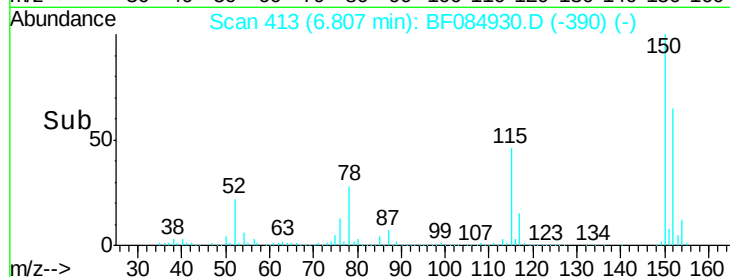
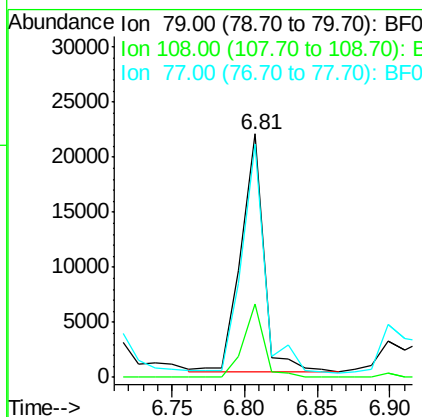
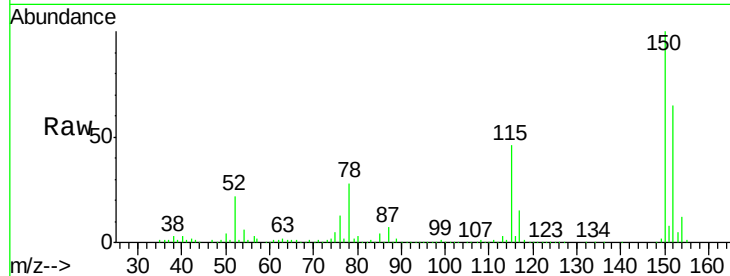




#15
Benzyl Alcohol
Concen: 2.59 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.03 min
Lab File: BF084930.D
Acq: 8 Feb 2016 15:59

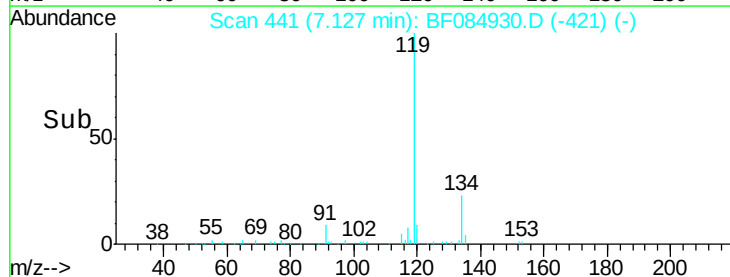
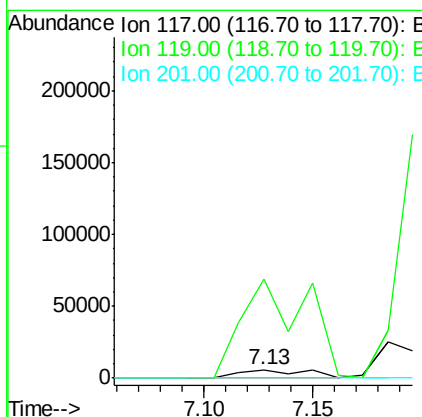
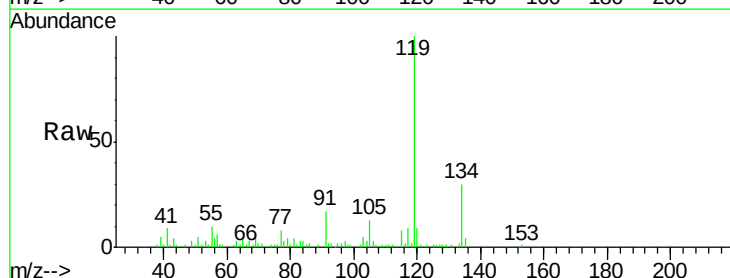
Instrument :
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SUP-B017(10-12)

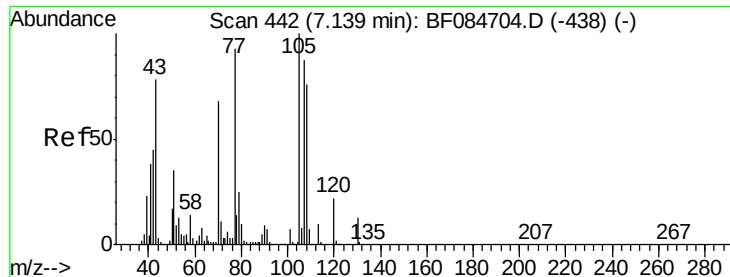
Tgt Ion: 79 Resp: 23334
Ion Ratio Lower Upper
79 100
108 30.3 69.0 103.4#
77 95.8 50.0 75.0#



#18
Hexachloroethane
Concen: 2.57 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.07 min
Lab File: BF084930.D
Acq: 8 Feb 2016 15:59

Tgt Ion: 117 Resp: 12459
Ion Ratio Lower Upper
117 100
119 1133.6 77.4 116.0#
201 0.0 68.6 103.0#





#19

n-Nitroso-di-n-propylamine

Concen: 18.48 ng

RT: 7.22 min Scan# 449

Delta R.T. 0.10 min

Lab File: BF084930.D

Acq: 8 Feb 2016 15:59

Instrument :

BNA_F

ClientSampleId :

SUP-B017(10-12)

Tgt Ion: 70 Resp: 151414

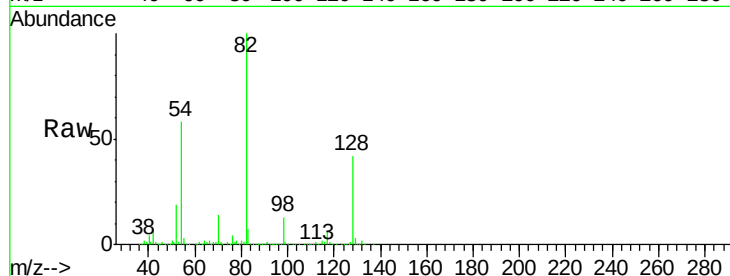
Ion Ratio Lower Upper

70 100

42 50.6 33.3 49.9#

101 0.0 9.3 13.9#

130 2.2 23.4 35.0#

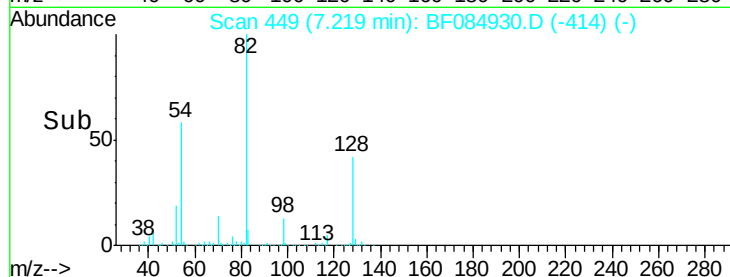
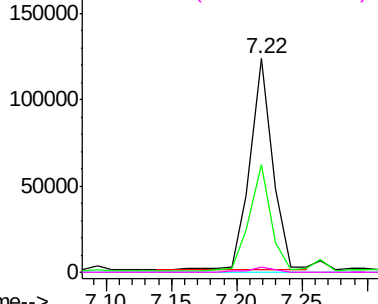


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 512

Delta R.T. -0.03 min

Lab File: BF084930.D

Acq: 8 Feb 2016 15:59

Tgt Ion: 136 Resp: 702601

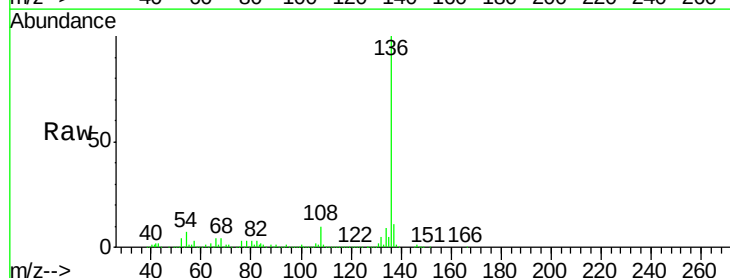
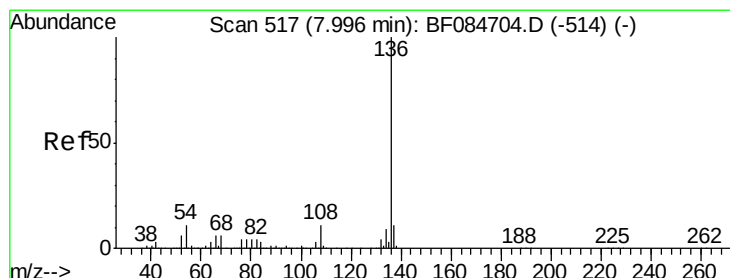
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.8 5.8 8.8

68 3.8 4.2 6.2#

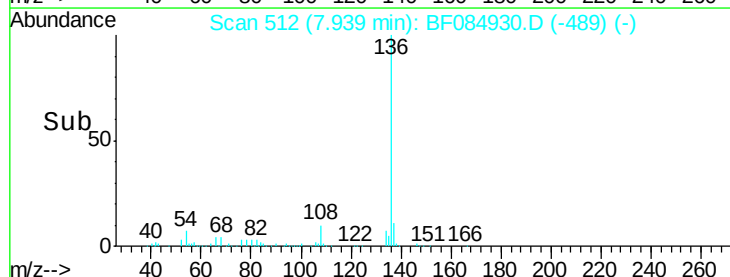
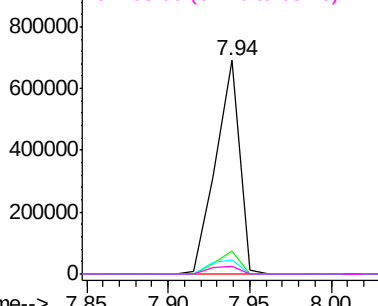


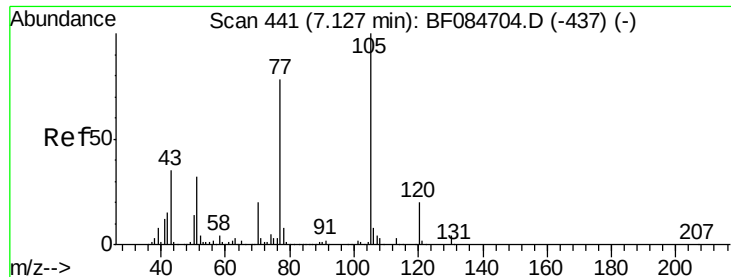
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

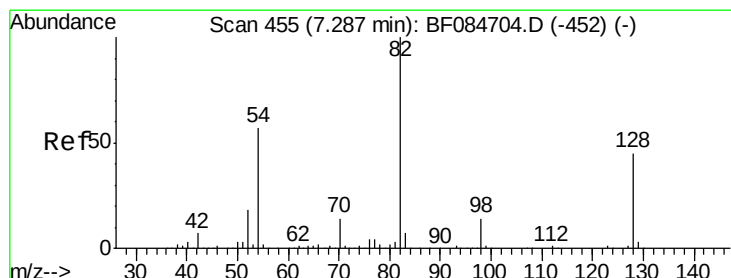
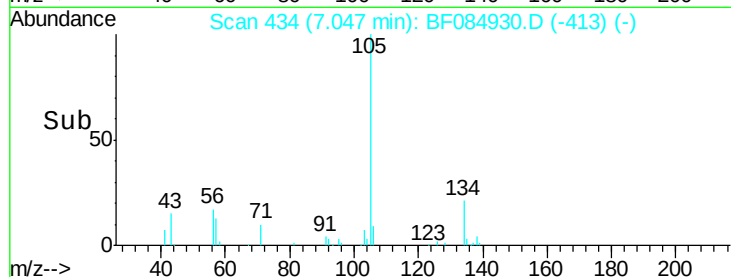
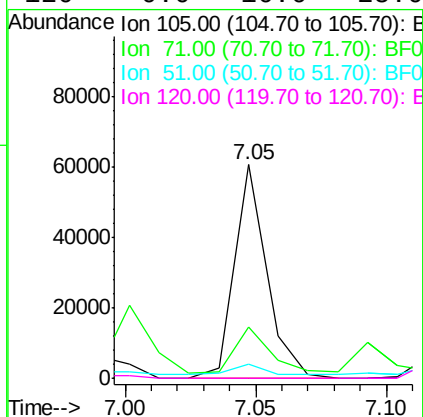
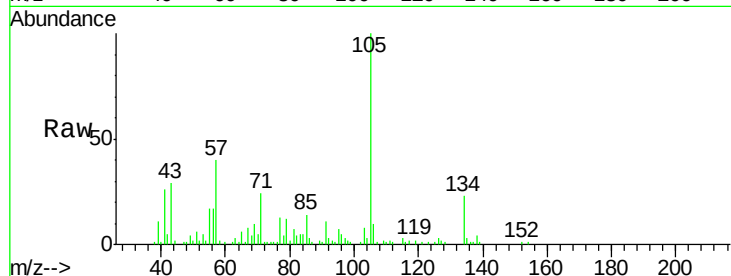




#22
Acetophenone
Concen: 2.84 ng
RT: 7.05 min Scan# 434
Delta R.T. -0.06 min
Lab File: BF084930.D
Acq: 8 Feb 2016 15:59

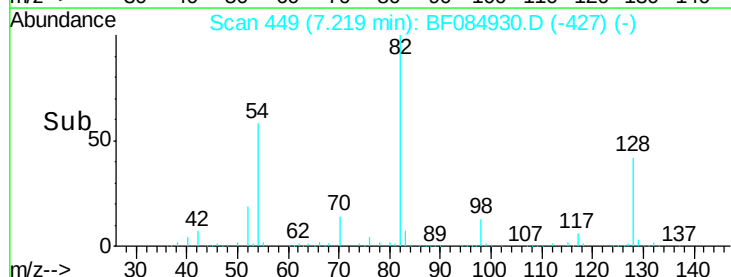
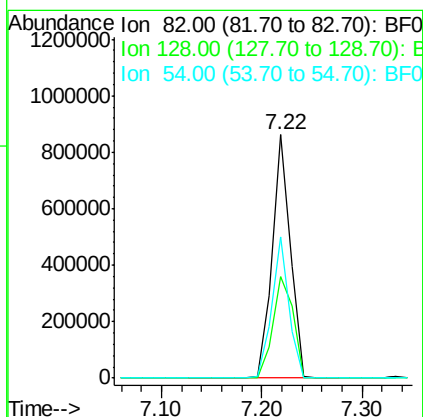
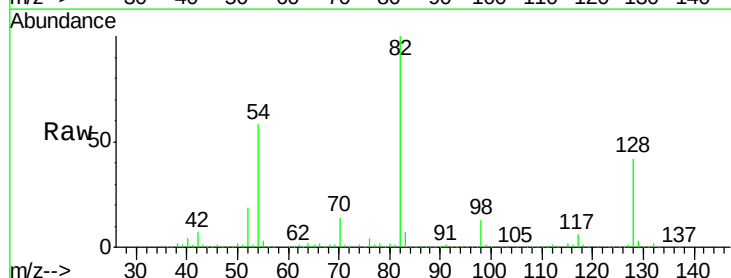
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SUP-B017(10-12)

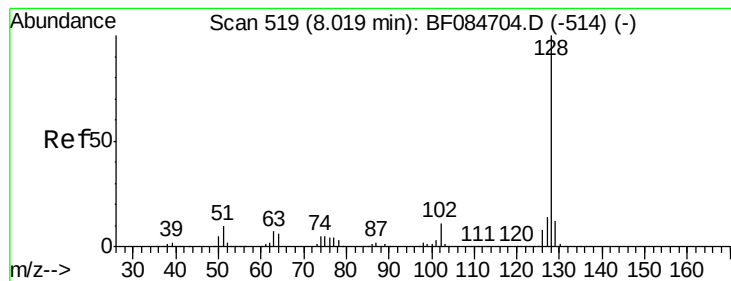
Tgt Ion: 105 Resp: 52569
Ion Ratio Lower Upper
105 100
71 23.8 3.7 5.5#
51 6.4 25.1 37.7#
120 0.0 16.6 25.0#



#23
Nitrobenzene-d5
Concen: 85.82 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.05 min
Lab File: BF084930.D
Acq: 8 Feb 2016 15:59

Tgt Ion: 82 Resp: 1070430
Ion Ratio Lower Upper
82 100
128 41.7 34.6 51.8
54 58.0 38.4 57.6#





#31

Naphthalene

Concen: 2.02 ng

RT: 7.96 min Scan# 514

Delta R.T. -0.03 min

Lab File: BF084930.D

Acq: 8 Feb 2016 15:59

Instrument :

BNA_F

ClientSampleId :

SUP-B017(10-12)

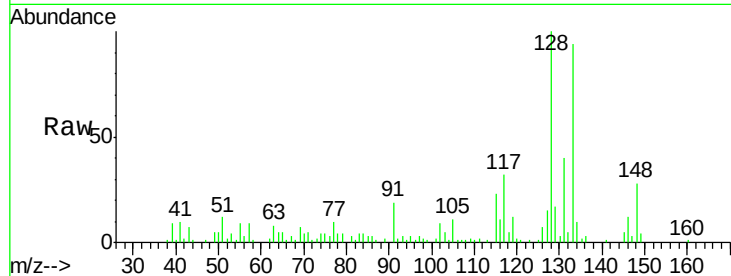
Tgt Ion:128 Resp: 71080

Ion Ratio Lower Upper

128 100

129 17.0 9.1 13.7#

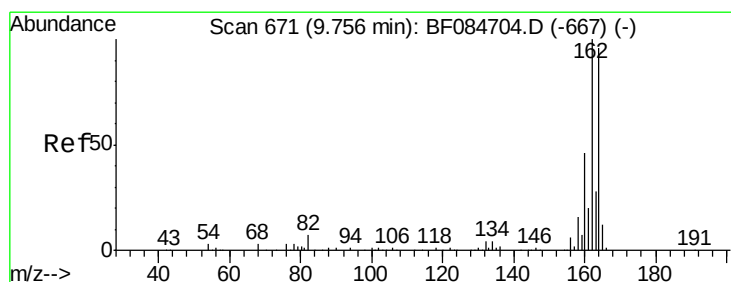
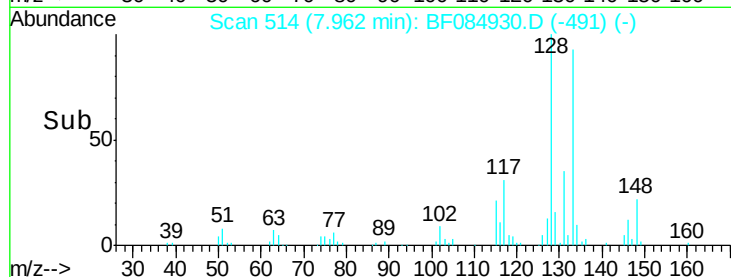
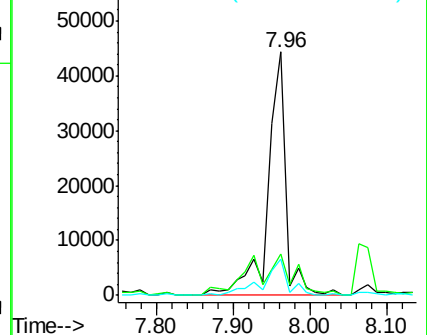
127 14.8 11.1 16.7



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: 9.69 min Scan# 665

Delta R.T. -0.05 min

Lab File: BF084930.D

Acq: 8 Feb 2016 15:59

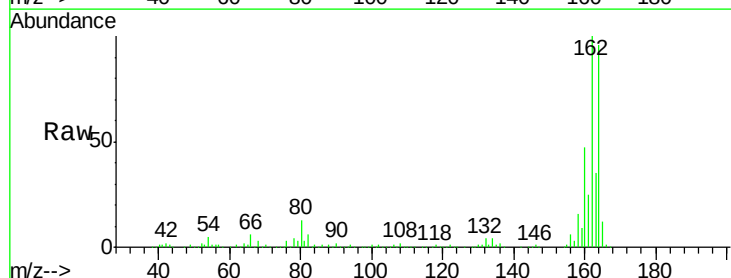
Tgt Ion:164 Resp: 334147

Ion Ratio Lower Upper

164 100

162 104.5 85.1 127.7

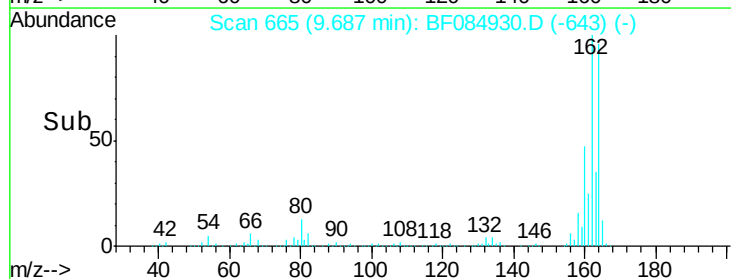
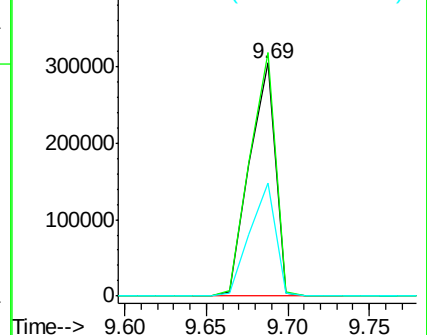
160 48.6 37.5 56.3

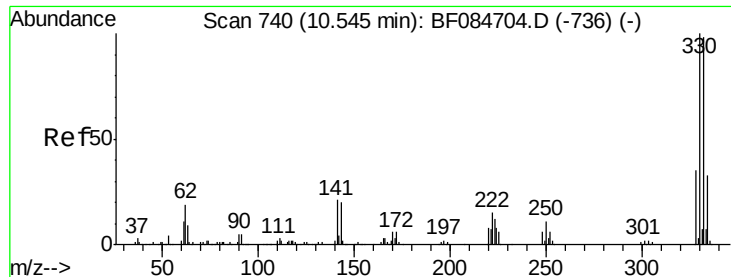


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

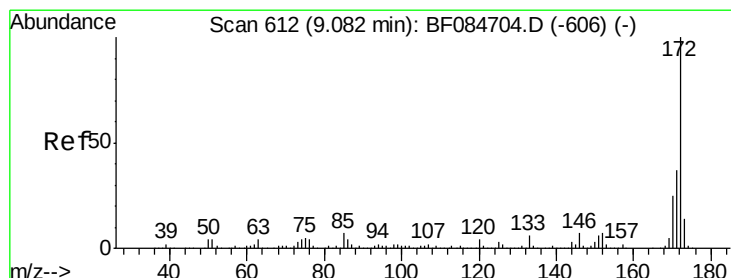
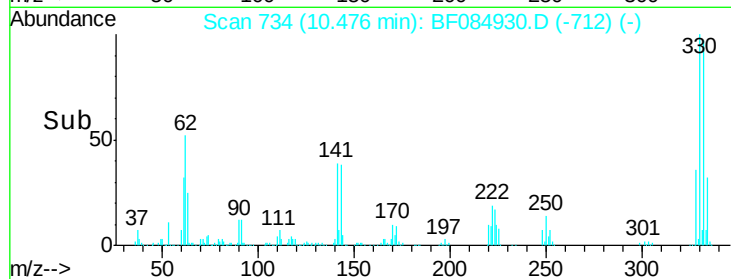
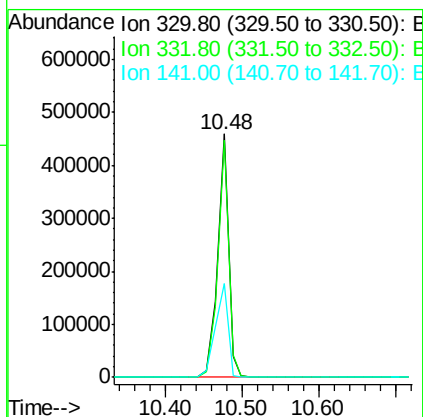
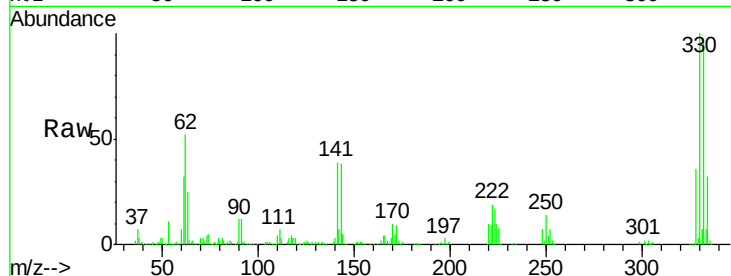




#41
 2,4,6-Tribromophenol
 Concen: 130.59 ng
 RT: 10.48 min Scan# 734
 Delta R.T. -0.05 min
 Lab File: BF084930.D
 Acq: 8 Feb 2016 15:59

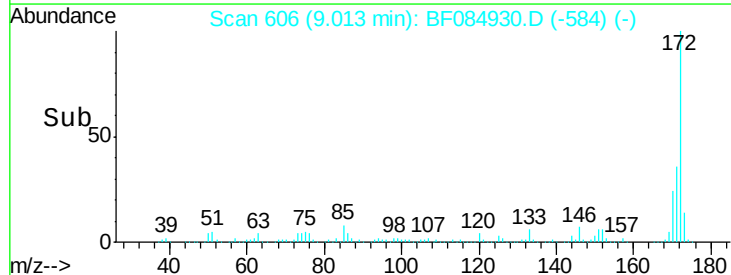
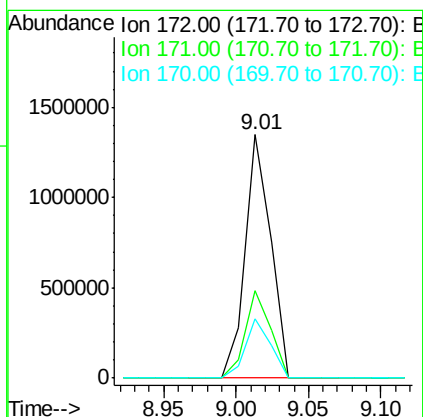
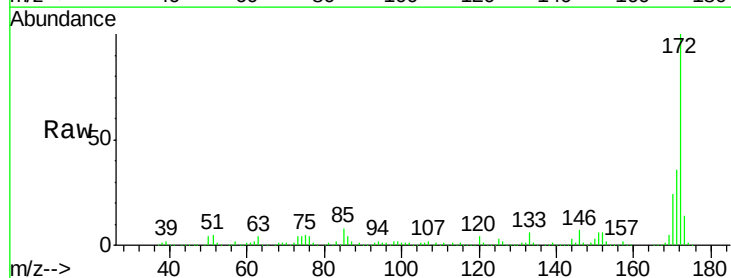
Instrument :
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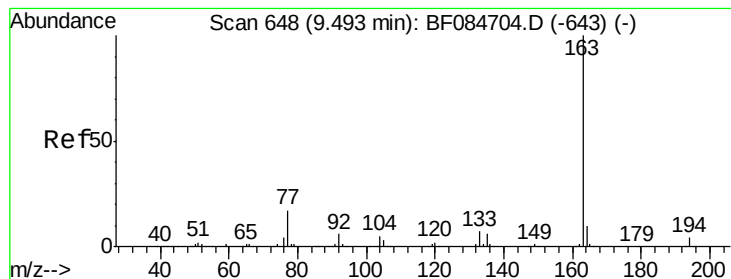
Tgt Ion:330 Resp: 455165
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 114.8
 141 43.6 27.8 41.6#



#44
 2-Fluorobiphenyl
 Concen: 81.60 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.05 min
 Lab File: BF084930.D
 Acq: 8 Feb 2016 15:59

Tgt Ion:172 Resp: 1641252
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.9 43.3
 170 24.3 18.6 27.8





#49

Dimethylphthalate

Concen: 15.06 ng

RT: 9.41 min Scan# 641

Delta R.T. -0.06 min

Lab File: BF084930.D

Acq: 8 Feb 2016 15:59

Instrument :

BNA_F

ClientSampleId :

SUP-B017(10-12)

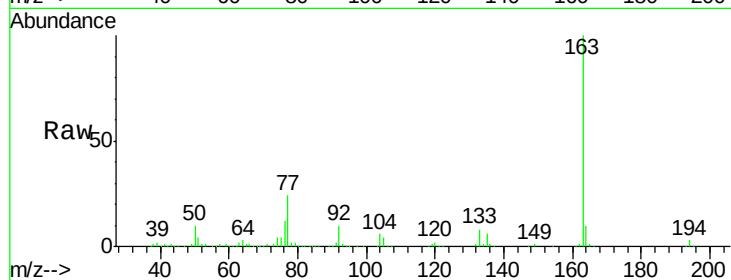
Tgt Ion:163 Resp: 383278

Ion Ratio Lower Upper

163 100

194 3.1 8.0 12.0#

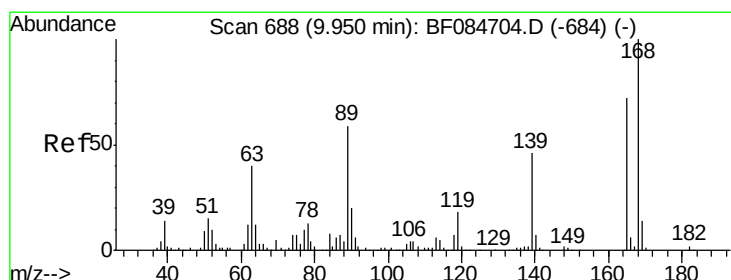
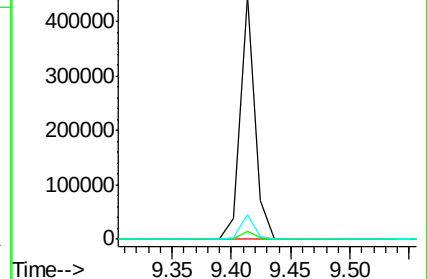
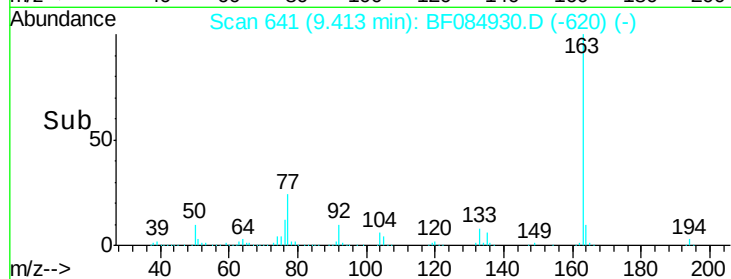
164 10.0 8.0 12.0



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: 5.98 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.24 min

Lab File: BF084930.D

Acq: 8 Feb 2016 15:59

Tgt Ion:165 Resp: 42422

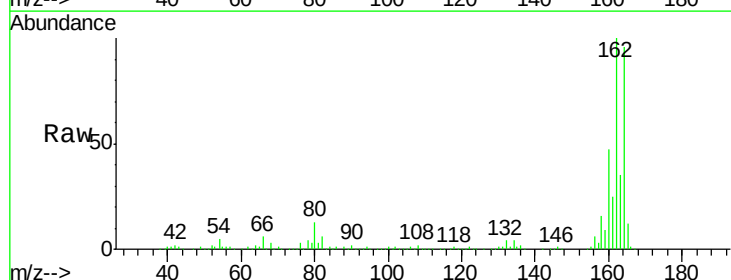
Ion Ratio Lower Upper

165 100

63 2.3 36.7 55.1#

89 2.3 61.9 92.9#

182 0.0 2.0 3.0#

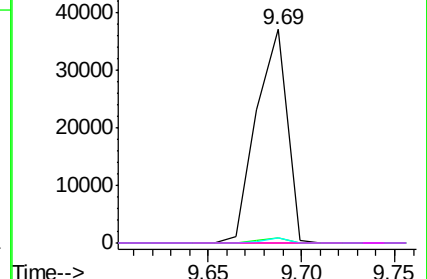
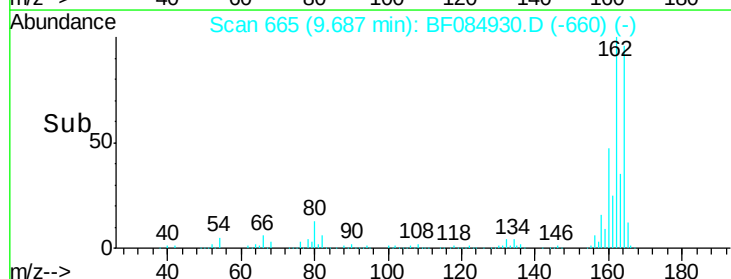


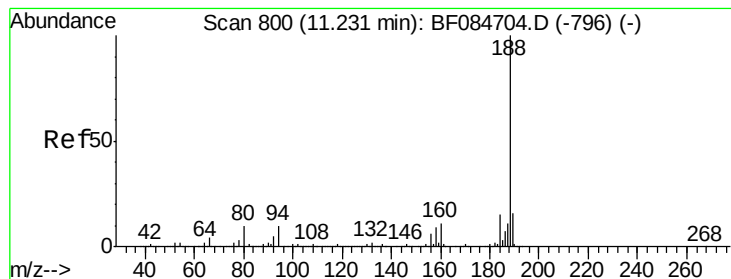
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.16 min Scan# 794

Delta R.T. -0.05 min

Lab File: BF084930.D

Acq: 8 Feb 2016 15:59

Instrument :

BNA_F

ClientSampleId :

SUP-B017(10-12)

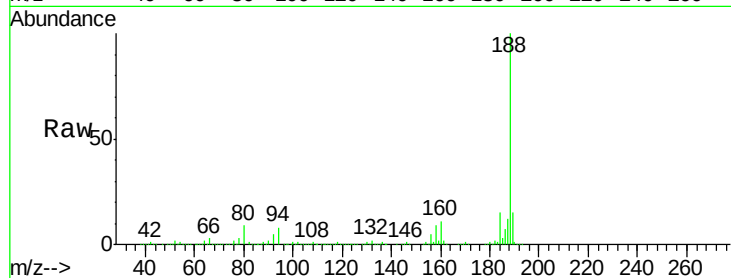
Tgt Ion:188 Resp: 630198

Ion Ratio Lower Upper

188 100

94 8.4 9.0 13.4#

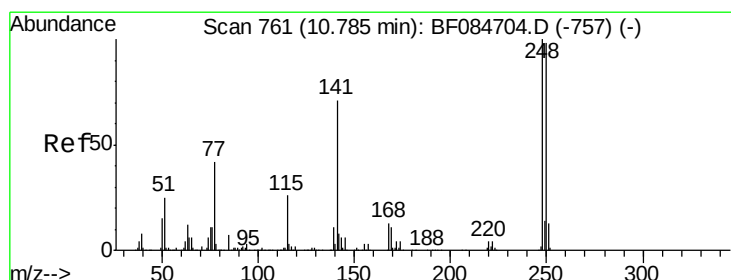
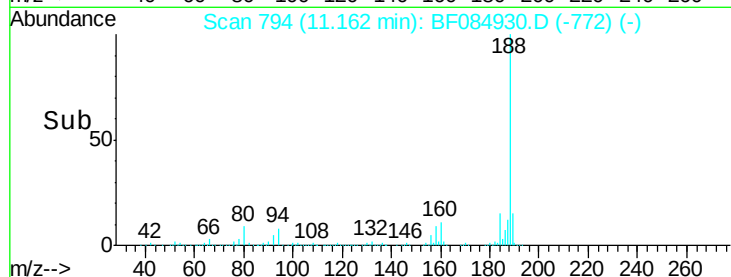
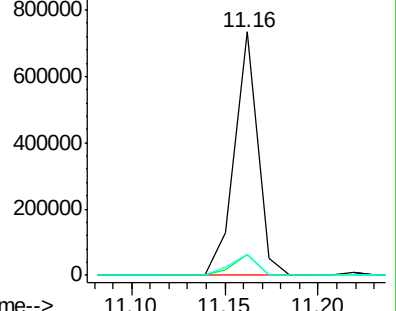
80 8.8 9.6 14.4#



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: 4.46 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.29 min

Lab File: BF084930.D

Acq: 8 Feb 2016 15:59

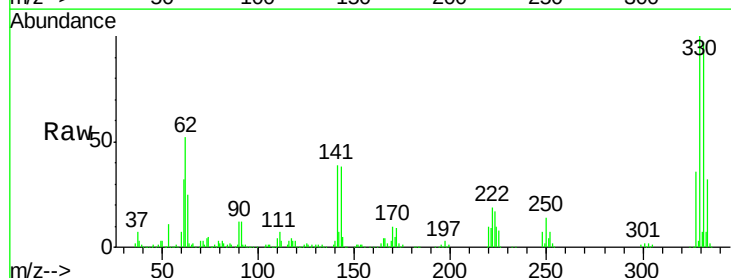
Tgt Ion:248 Resp: 31034

Ion Ratio Lower Upper

248 100

250 203.5 78.4 117.6#

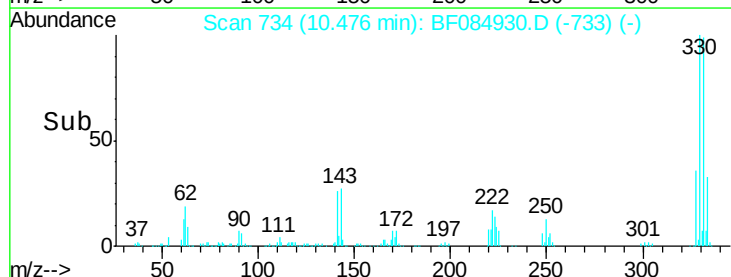
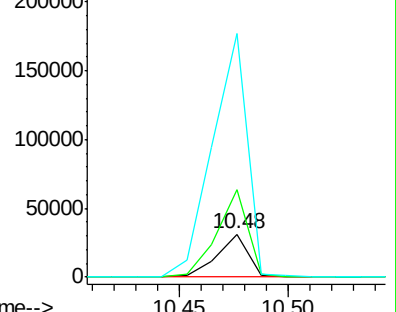
141 562.7 44.0 66.0#

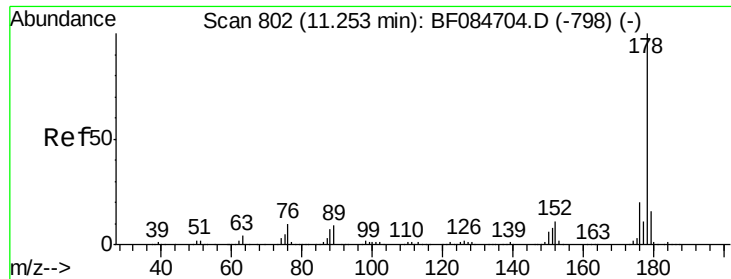


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

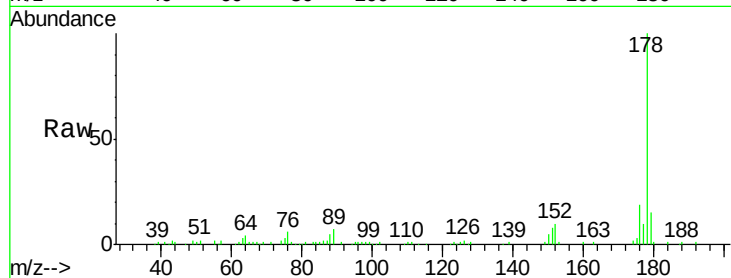




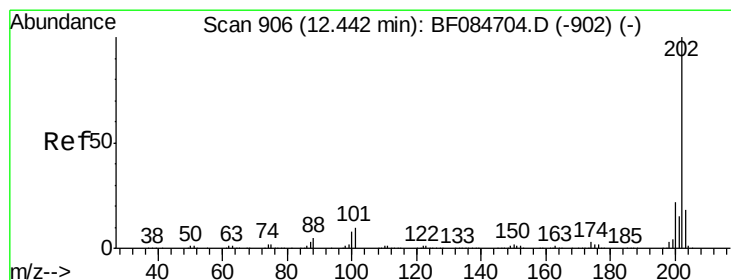
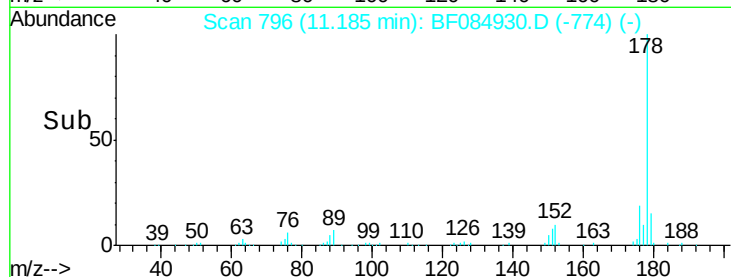
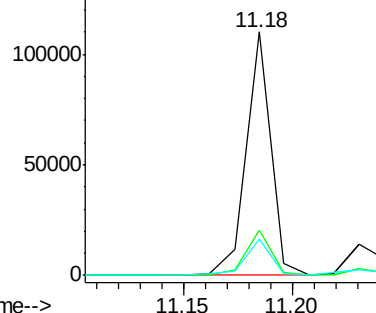
#70
Phenanthrene
Concen: 2.51 ng
RT: 11.18 min Scan# 796
Delta R.T. -0.05 min
Lab File: BF084930.D
Acq: 8 Feb 2016 15:59

Instrument :
BNA_F
ClientSampleId :
SUP-B017(10-12)

Tgt Ion:178 Resp: 87611
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 14.9 12.0 18.0

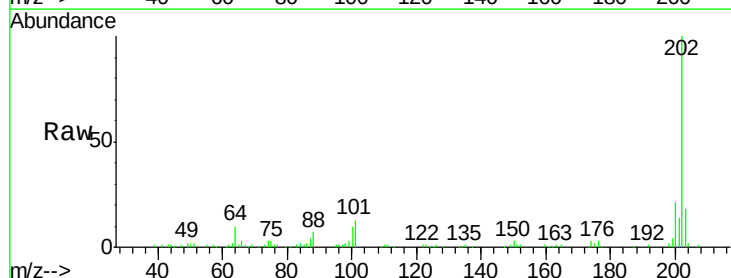


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

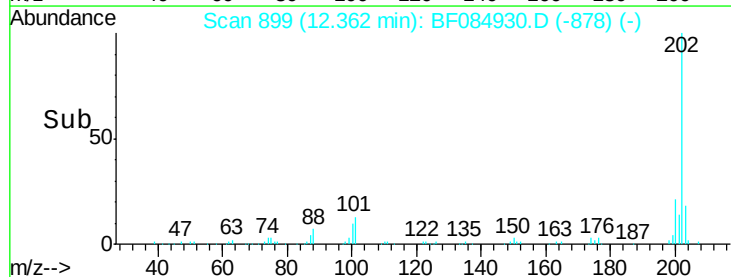
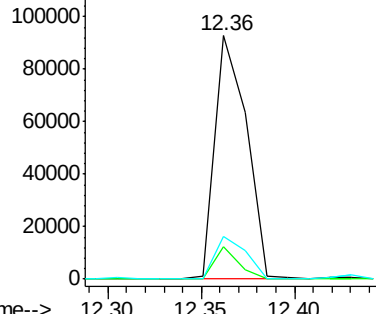


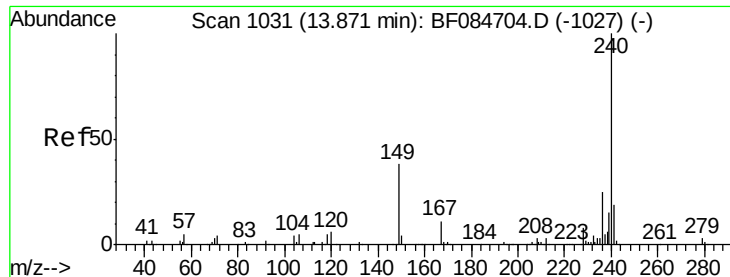
#74
Fluoranthene
Concen: 3.09 ng
RT: 12.36 min Scan# 899
Delta R.T. -0.06 min
Lab File: BF084930.D
Acq: 8 Feb 2016 15:59

Tgt Ion:202 Resp: 109463
Ion Ratio Lower Upper
202 100
101 13.5 0.0 32.8
203 17.7 0.0 37.9



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: 13.79 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BF084930.D

Acq: 8 Feb 2016 15:59

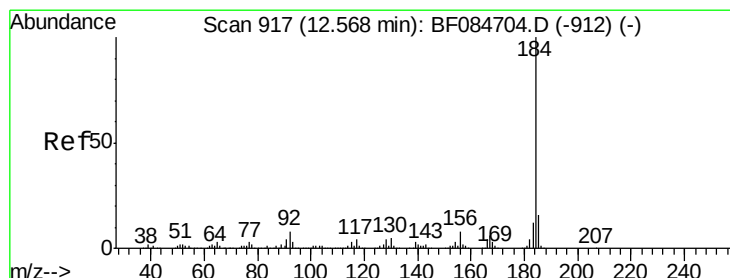
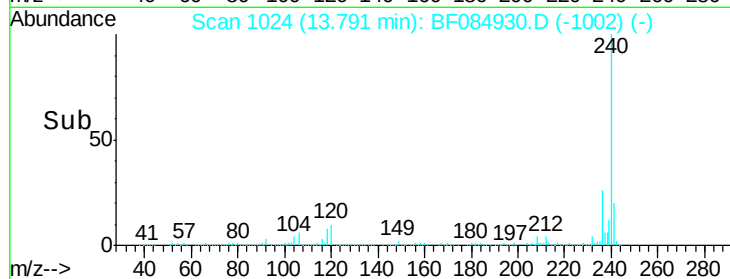
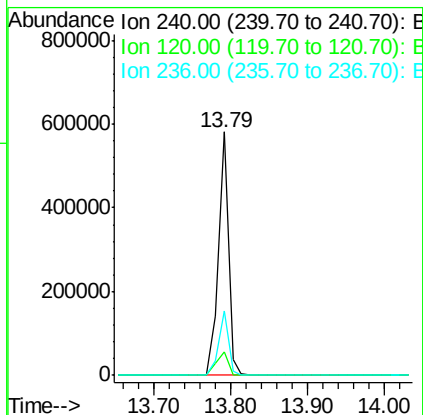
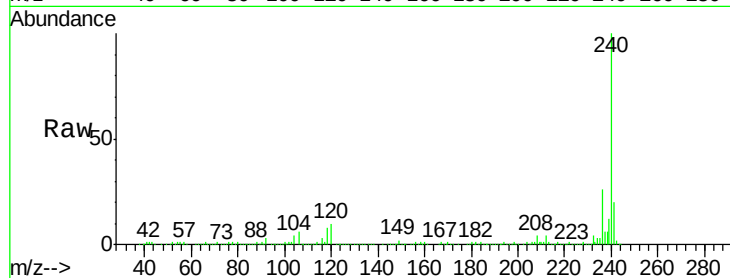
Instrument :

BNA_F

ClientSampleId :

SUP-B017(10-12)

Tgt Ion:	240	Resp:	529070
Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.5	14.3
236	26.3	20.6	31.0



#76

Benzidine

Concen: 7.71 ng

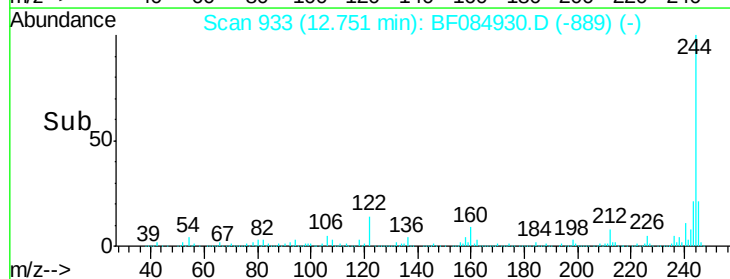
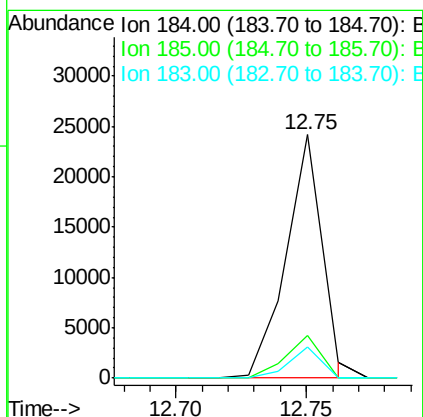
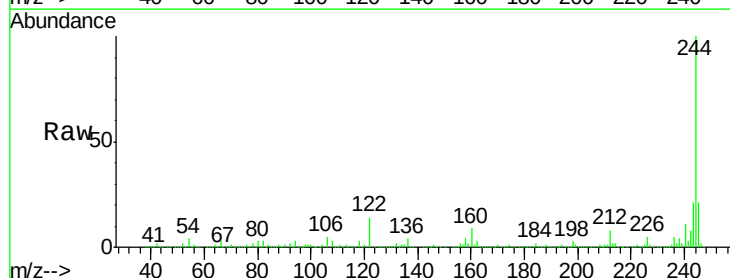
RT: 12.75 min Scan# 933

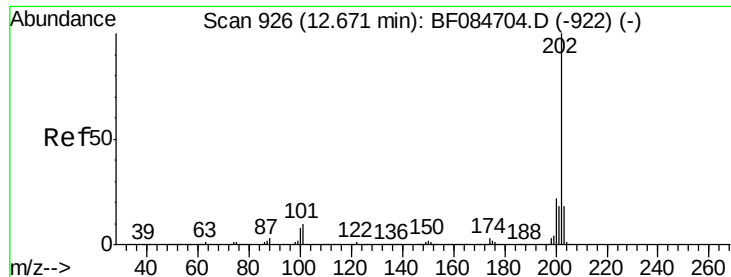
Delta R.T. 0.21 min

Lab File: BF084930.D

Acq: 8 Feb 2016 15:59

Tgt Ion:	184	Resp:	23155
Ion	Ratio	Lower	Upper
184	100		
185	17.5	12.2	18.2
183	12.5	9.8	14.8





#77

Pyrene

Concen: 2.57 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.05 min

Lab File: BF084930.D

Acq: 8 Feb 2016 15:59

Instrument :

BNA_F

ClientSampleId :

SUP-B017(10-12)

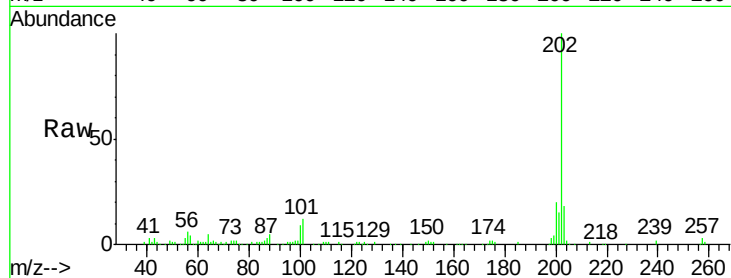
Tgt Ion:202 Resp: 103996

Ion Ratio Lower Upper

202 100

200 20.0 17.2 25.8

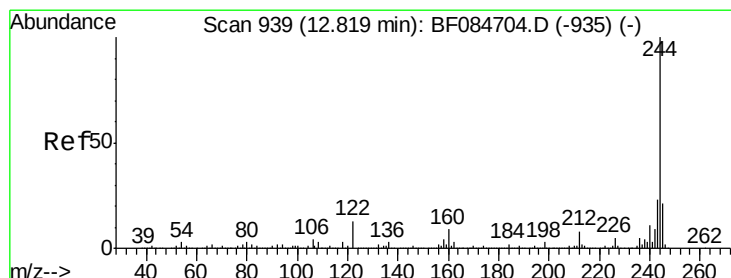
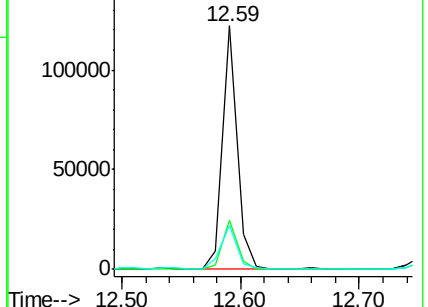
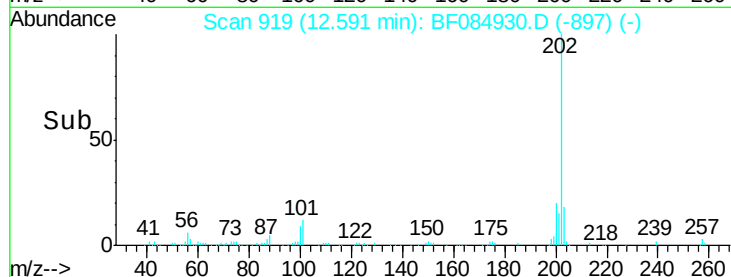
203 17.8 14.3 21.5



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: 63.60 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.05 min

Lab File: BF084930.D

Acq: 8 Feb 2016 15:59

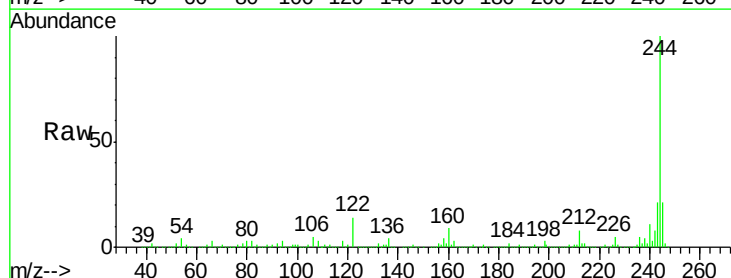
Tgt Ion:244 Resp: 1484811

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

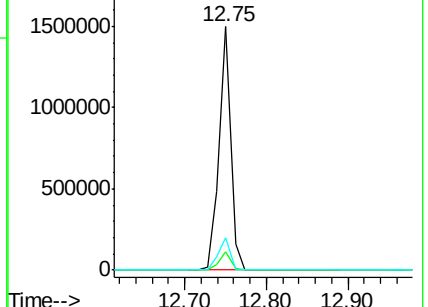
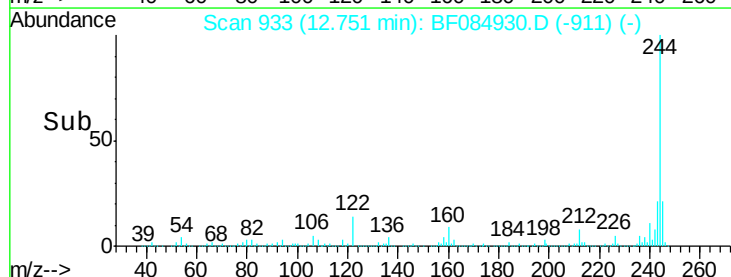
122 13.6 7.4 11.0#

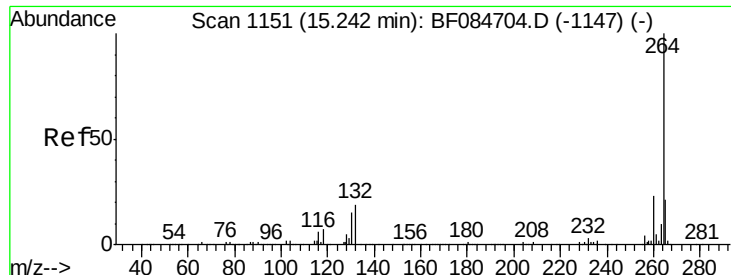


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



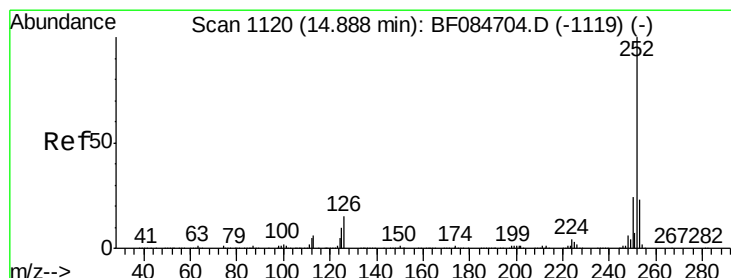
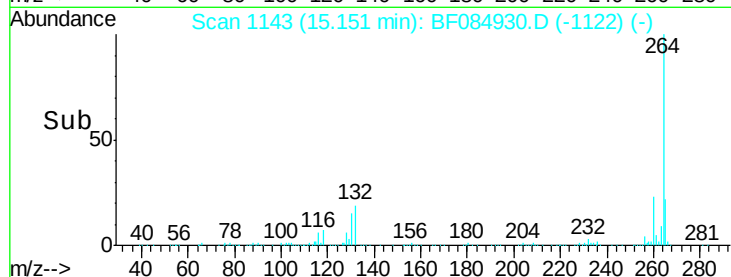
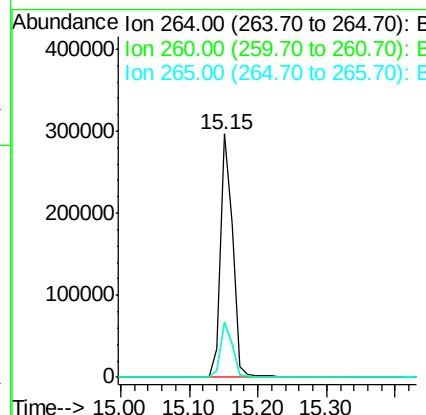
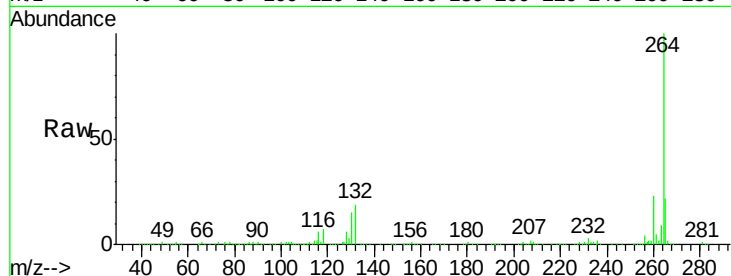


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1143
Delta R.T. -0.06 min
Lab File: BF084930.D
Acq: 8 Feb 2016 15:59

Instrument :
BNA_F
ClientSampleId :
SUP-B017(10-12)

Tgt Ion: 264 Resp: 375599

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.4	29.2
265	22.1	17.8	26.6



#88
Benzo(k)fluoranthene
Concen: 2.22 ng
RT: 14.79 min Scan# 1111
Delta R.T. -0.07 min
Lab File: BF084930.D
Acq: 8 Feb 2016 15:59

Tgt Ion: 252 Resp: 46348

Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	11.9	9.0	13.6

