

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123114\
 Data File : BF076717.D
 Acq On : 31 Dec 2014 23:37
 Operator : IZ / TP
 Sample : F5249-01
 Misc : W
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RWB4

Quant Time: Jan 01 07:10:45 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121714.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 01 06:59:50 2015
 Response via : Initial Calibration

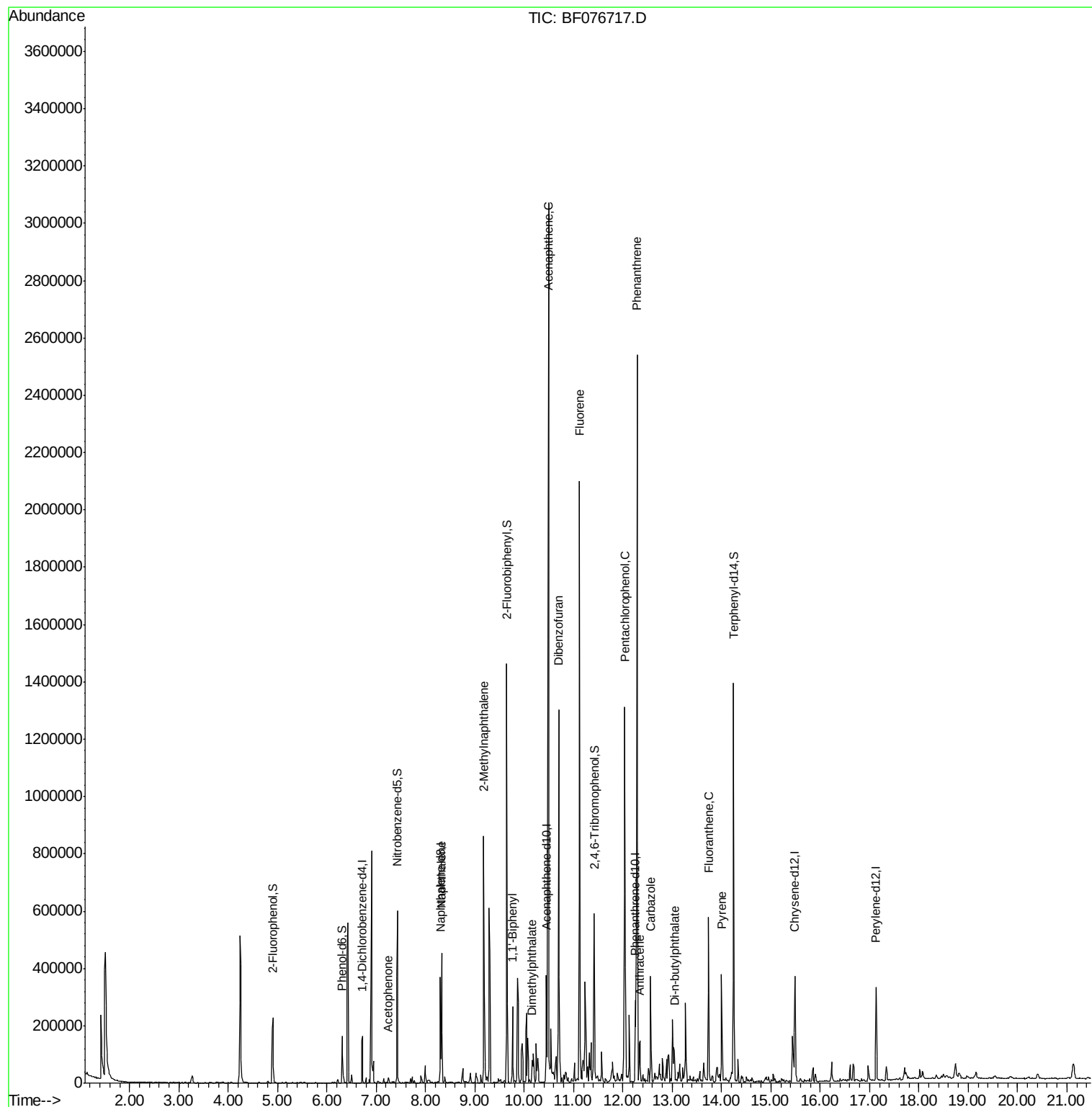
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	36253	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	159015	20.00	ng	0.00
38) Acenaphthene-d10	10.45	164	82404	20.00	ng	0.00
63) Phenanthrene-d10	12.25	188	133761	20.00	ng	0.00
75) Chrysene-d12	15.49	240	137599	20.00	ng	0.00
86) Perylene-d12	17.13	264	131098	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	93747	43.84	ng	0.01
7) Phenol-d6	6.31	99	67852	25.98	ng	-0.01
23) Nitrobenzene-d5	7.43	82	224437	83.94	ng	0.00
41) 2,4,6-Tribromophenol	11.42	330	78470	112.67	ng	0.00
44) 2-Fluorobiphenyl	9.65	172	437159	82.56	ng	0.00
78) Terphenyl-d14	14.24	244	441158	70.72	ng	0.00
Target Compounds						Qvalue
22) Acetophenone	7.25	105	8602	2.26	ng	# 90
31) Naphthalene	8.32	128	218843	27.78	ng	99
37) 2-Methylnaphthalene	9.18	142	251909	45.83	ng	97
45) 1,1'-Biphenyl	9.76	154	84201	13.75	ng	99
49) Dimethylphthalate	10.16	163	30436	5.22	ng	# 94
51) Acenaphthene	10.49	154	800542	171.33	ng	98
54) Dibenzofuran	10.70	168	519105	76.81	ng	96
57) Fluorene	11.12	166	600254	105.74	ng	98
69) Pentachlorophenol	12.04	266	124827	167.68	ng	93
70) Phenanthrene	12.29	178	1120644	138.85	ng	99
71) Anthracene	12.35	178	68962	8.71	ng	95
72) Carbazole	12.56	167	145373	18.93	ng	100
73) Di-n-butylphthalate	13.04	149	31499	3.34	ng	100
74) Fluoranthene	13.74	202	273807	33.23	ng	94
77) Pyrene	14.00	202	149122	15.49	ng	# 93

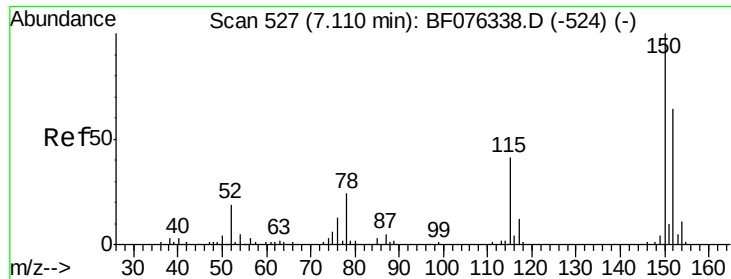
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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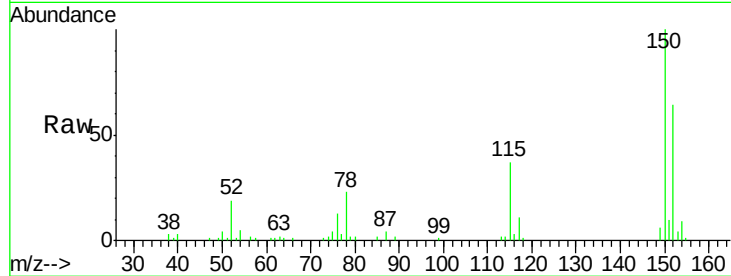


#1

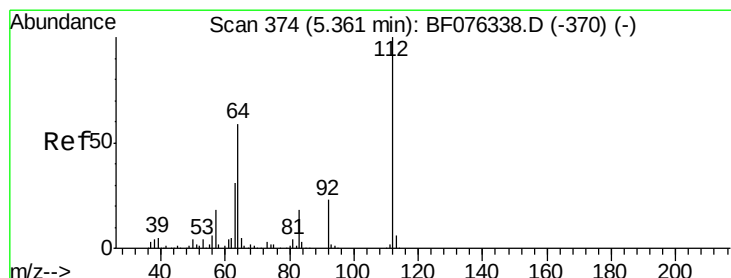
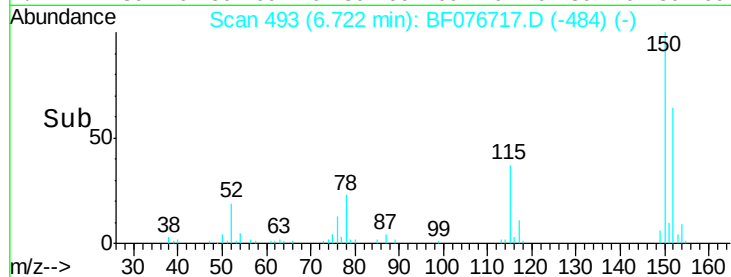
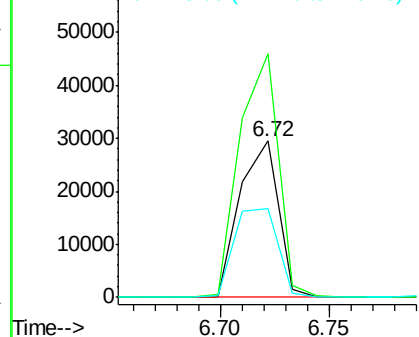
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 493
Delta R.T. 0.00 min
Lab File: BF076717.D
Acq: 31 Dec 2014 23:37

Instrument :
BNA_F
ClientSampleId :
RWB4

Tot Ion:152 Resp: 36253
Ion Ratio Lower Upper
152 100
150 155.9 125.2 187.8
115 57.2 51.4 77.0



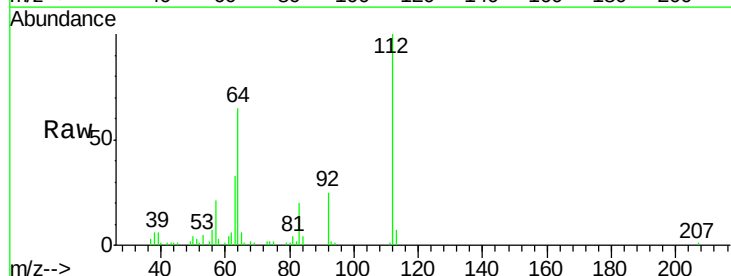
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



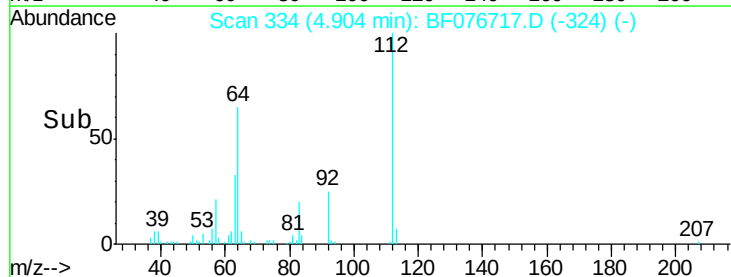
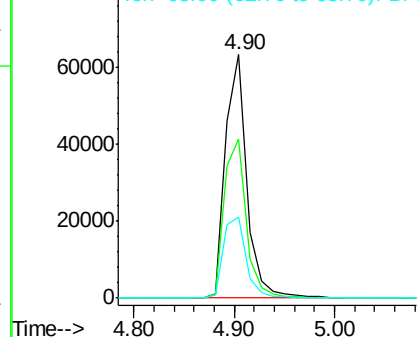
#5

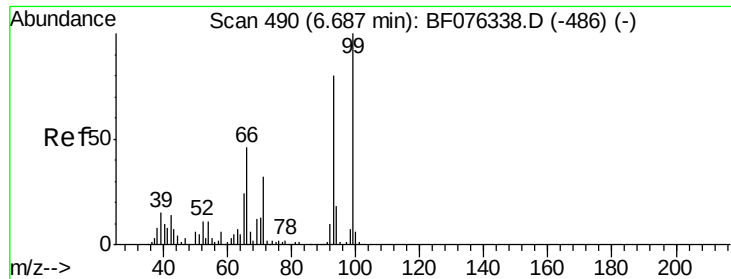
2-Fluorophenol
Concen: 43.84 ng
RT: 4.90 min Scan# 334
Delta R.T. 0.01 min
Lab File: BF076717.D
Acq: 31 Dec 2014 23:37

Tgt Ion:112 Resp: 93747
Ion Ratio Lower Upper
112 100
64 65.2 47.4 71.0
63 33.1 25.0 37.4



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: 25.98 ng

RT: 6.31 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF076717.D

Acq: 31 Dec 2014 23:37

Instrument :

BNA_F

ClientSampleId :

RWB4

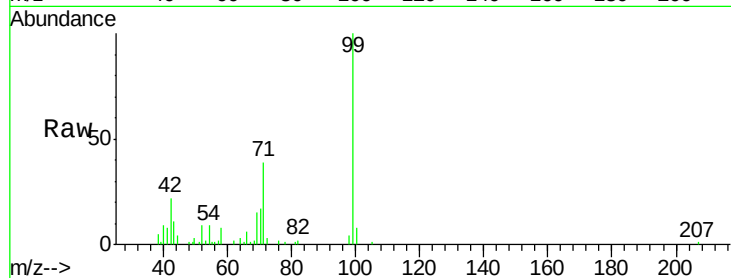
Tot Ion: 99 Resp: 67852

Ion Ratio Lower Upper

99 100

42 21.9 11.6 17.4#

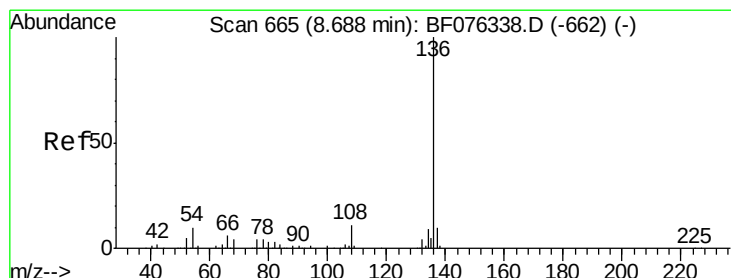
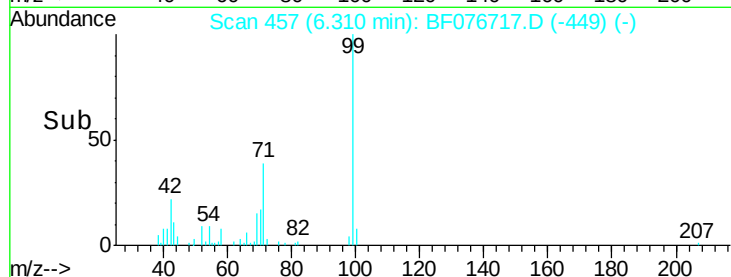
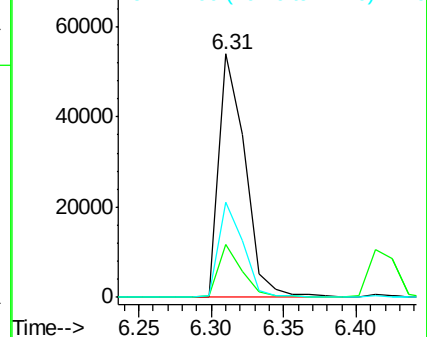
71 39.3 25.9 38.9#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.30 min Scan# 631

Delta R.T. 0.00 min

Lab File: BF076717.D

Acq: 31 Dec 2014 23:37

Tgt Ion: 136 Resp: 159015

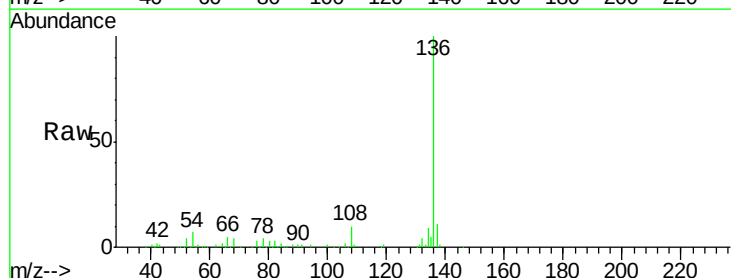
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 7.4 7.8 11.6#

68 4.3 3.4 5.2

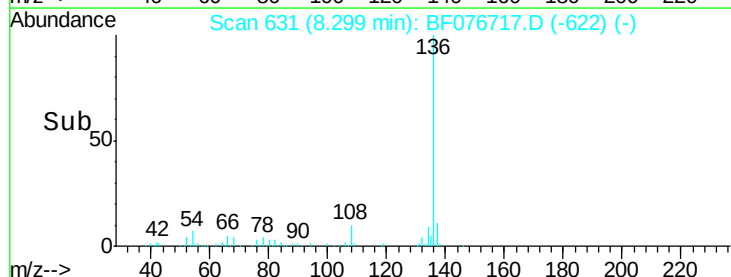
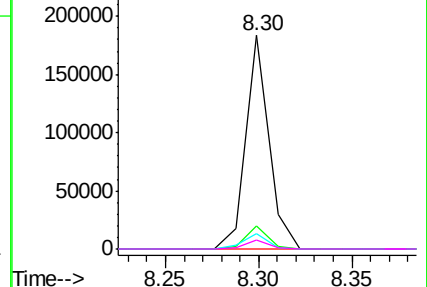


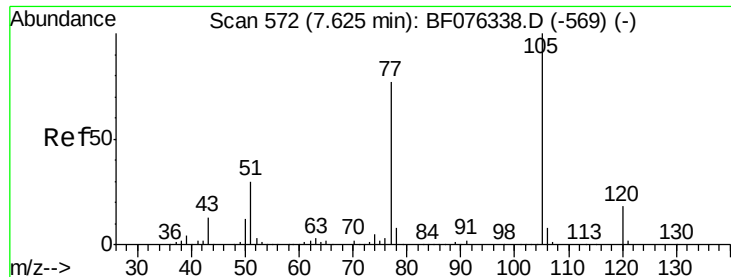
Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.26 ng

RT: 7.25 min Scan# 539

Delta R.T. 0.00 min

Lab File: BF076717.D

Acq: 31 Dec 2014 23:37

Instrument :

BNA_F

ClientSampled :

RWB4

Tot Ion: 105 Resp: 8602

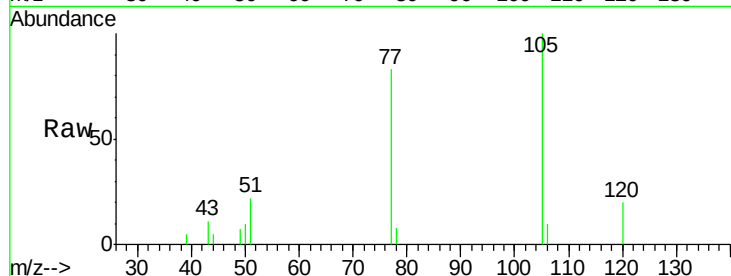
Ion Ratio Lower Upper

105 100

71 0.0 0.3 0.5#

51 22.0 23.8 35.8#

120 19.9 14.6 22.0

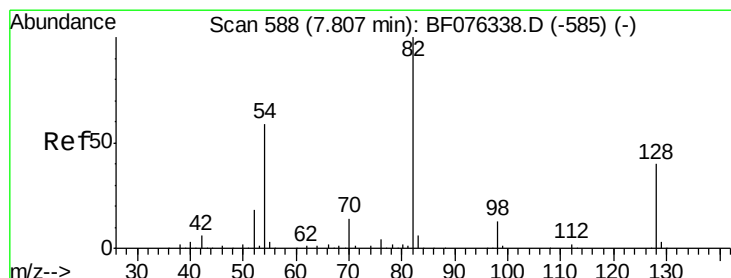
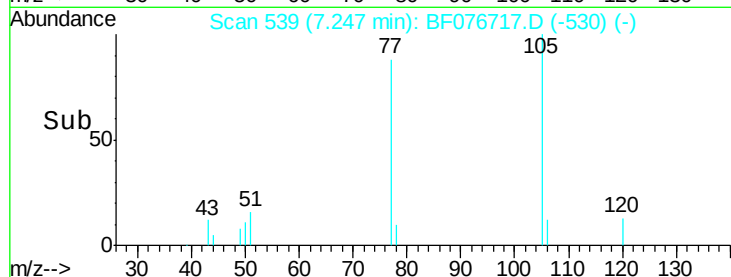
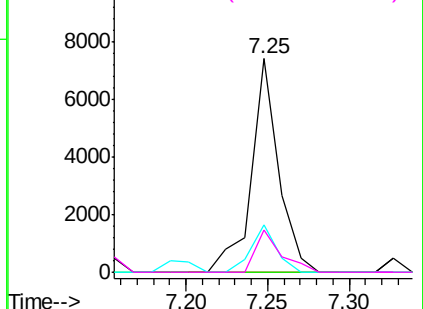


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 83.94 ng

RT: 7.43 min Scan# 555

Delta R.T. 0.00 min

Lab File: BF076717.D

Acq: 31 Dec 2014 23:37

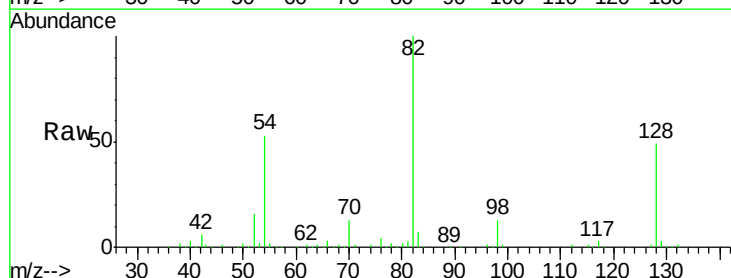
Tgt Ion: 82 Resp: 224437

Ion Ratio Lower Upper

82 100

128 49.4 31.9 47.9#

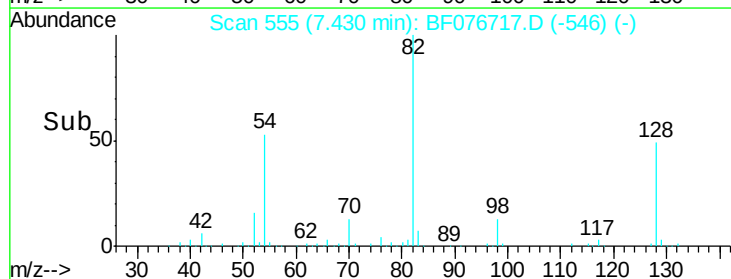
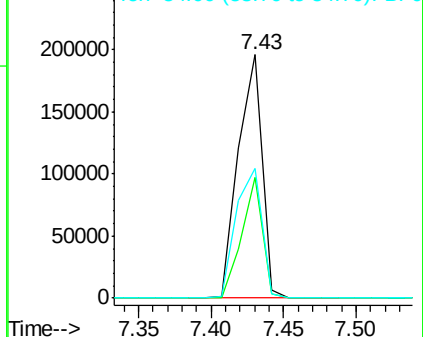
54 53.2 47.2 70.8

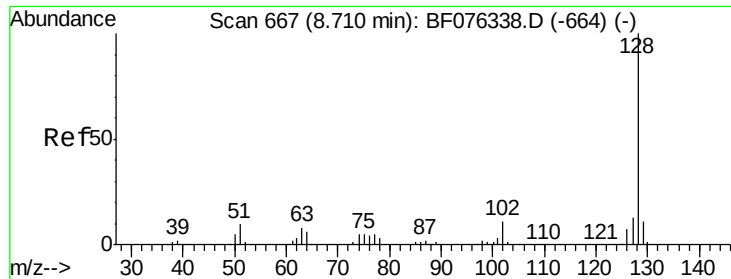


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

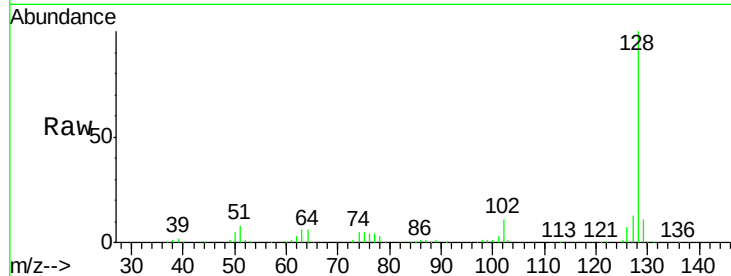




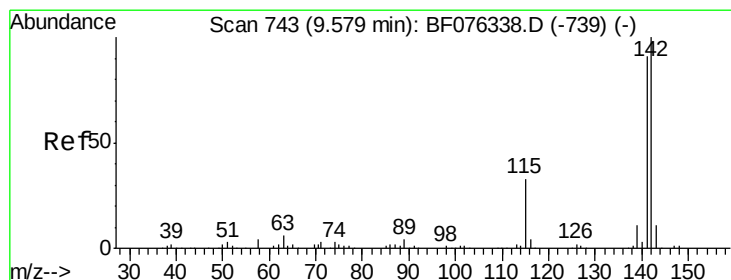
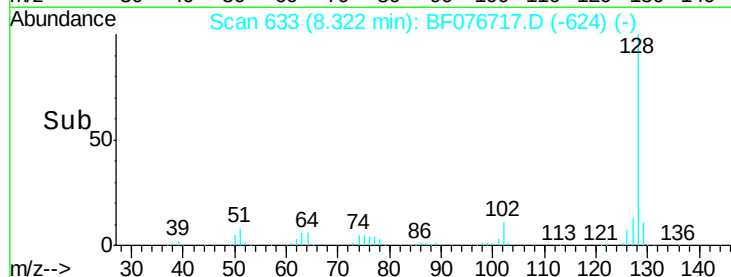
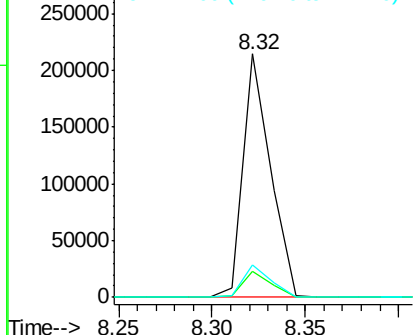
#31
Naphthalene
Concen: 27.78 ng
RT: 8.32 min Scan# 633
Delta R.T. 0.00 min
Lab File: BF076717.D
Acq: 31 Dec 2014 23:37

Instrument :
BNA_F
ClientSampleId :
RWB4

Tot Ion:128 Resp: 218843
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 13.1 10.2 15.2

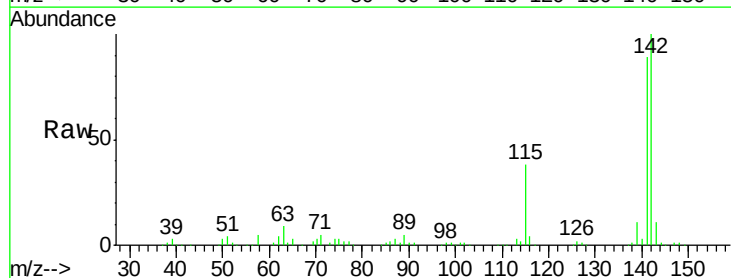


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

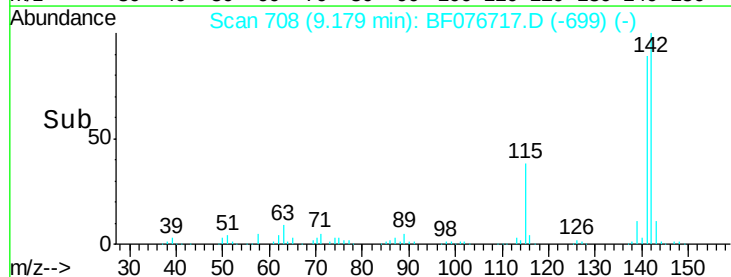
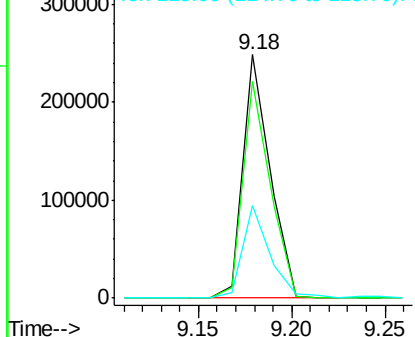


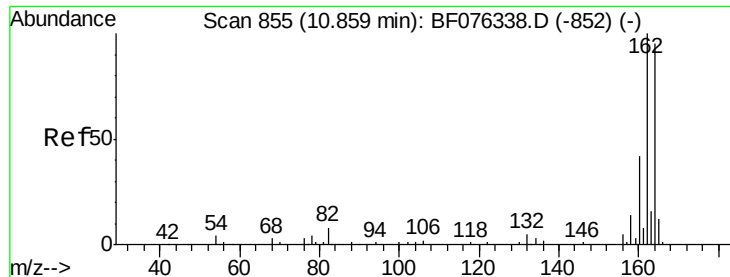
#37
2-Methylnaphthalene
Concen: 45.83 ng
RT: 9.18 min Scan# 708
Delta R.T. 0.00 min
Lab File: BF076717.D
Acq: 31 Dec 2014 23:37

Tgt Ion:142 Resp: 251909
Ion Ratio Lower Upper
142 100
141 89.2 72.4 108.6
115 38.0 26.5 39.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.45 min Scan# 819

Delta R.T. 0.00 min

Lab File: BF076717.D

Acq: 31 Dec 2014 23:37

Instrument :

BNA_F

ClientSampleId :

RWB4

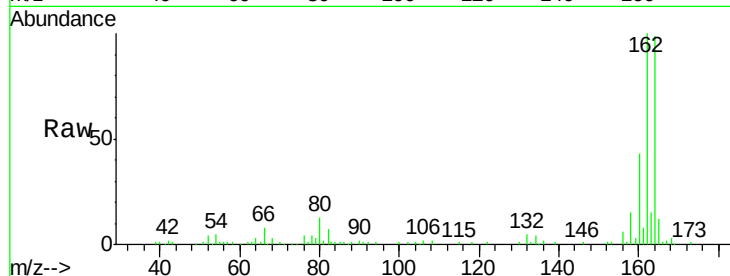
Tot Ion:164 Resp: 82404

Ion Ratio Lower Upper

164 100

162 101.0 84.2 126.2

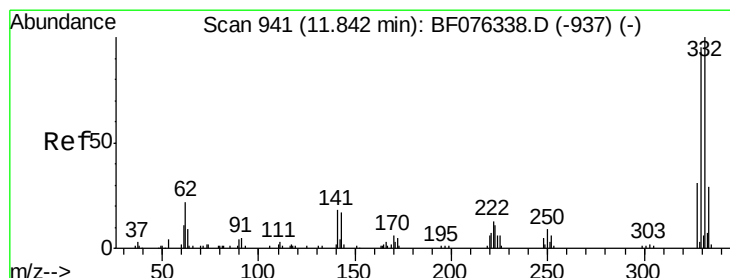
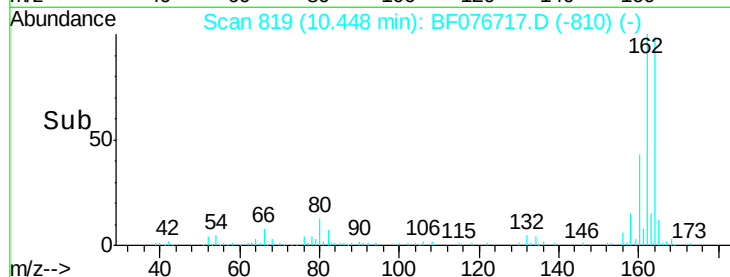
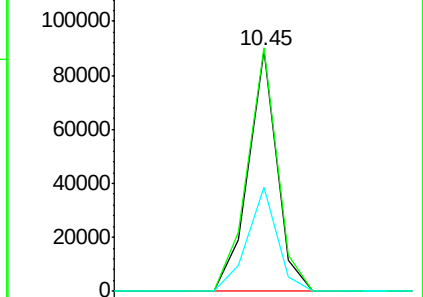
160 43.4 35.5 53.3



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: 112.67 ng

RT: 11.42 min Scan# 904

Delta R.T. 0.00 min

Lab File: BF076717.D

Acq: 31 Dec 2014 23:37

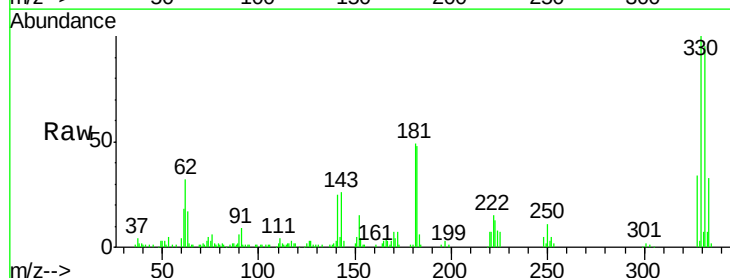
Tgt Ion:330 Resp: 78470

Ion Ratio Lower Upper

330 100

332 95.1 0.0 0.0#

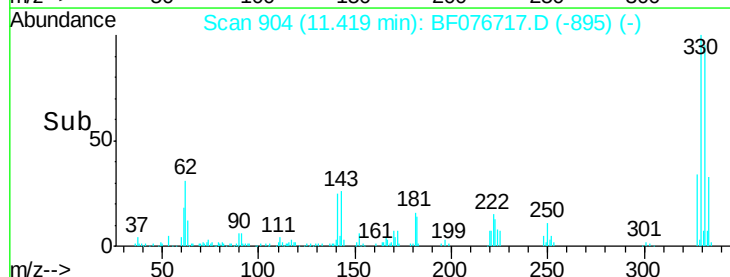
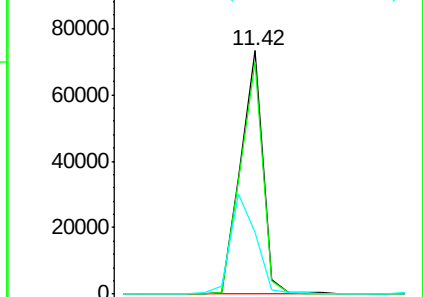
141 47.4 0.0 0.0#

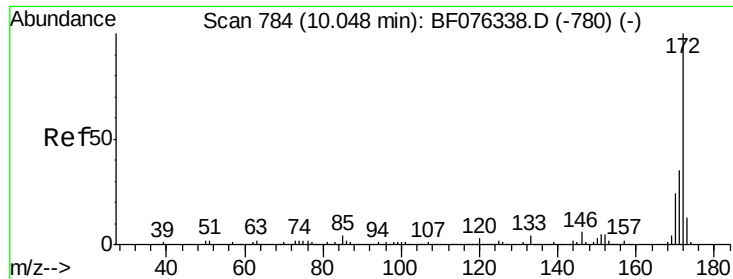


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

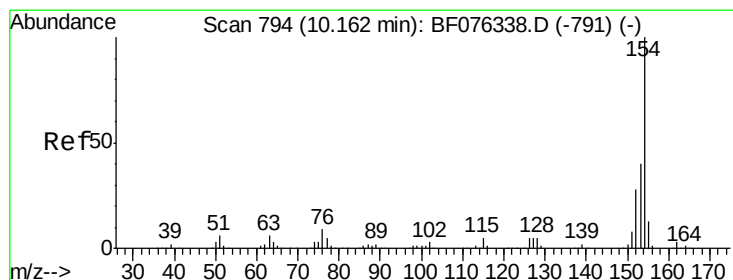
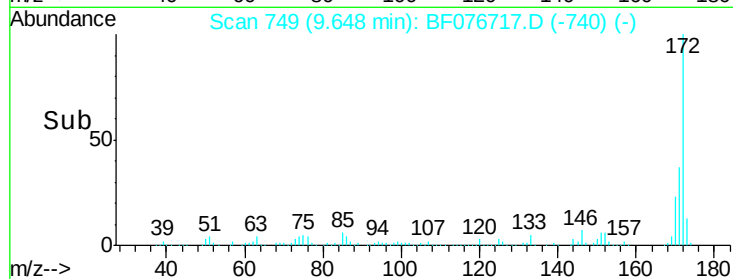
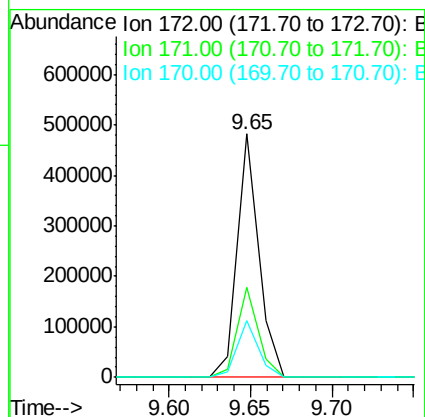
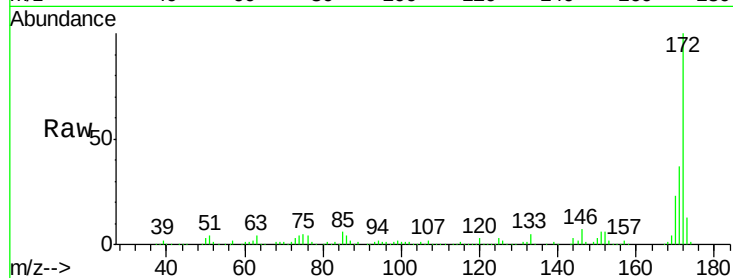




#44
 2-Fluorobiphenyl
 Concen: 82.56 ng
 RT: 9.65 min Scan# 749
 Delta R.T. 0.00 min
 Lab File: BF076717.D
 Acq: 31 Dec 2014 23:37

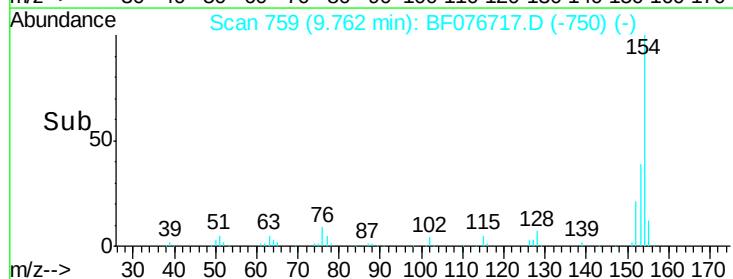
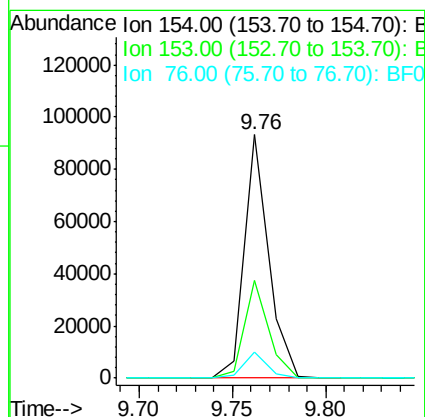
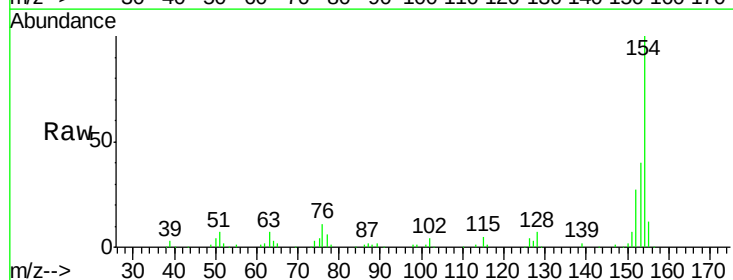
Instrument :
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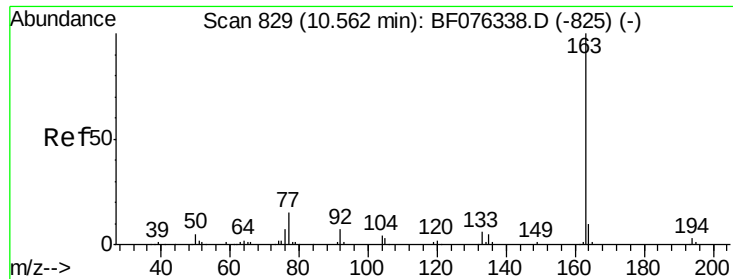
Tot Ion:172 Resp: 437159
 Ion Ratio Lower Upper
 172 100
 171 36.9 27.8 41.8
 170 23.1 19.0 28.4



#45
 1,1'-Biphenyl
 Concen: 13.75 ng
 RT: 9.76 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: BF076717.D
 Acq: 31 Dec 2014 23:37

Tgt Ion:154 Resp: 84201
 Ion Ratio Lower Upper
 154 100
 153 40.2 20.0 60.0
 76 10.9 0.0 29.4

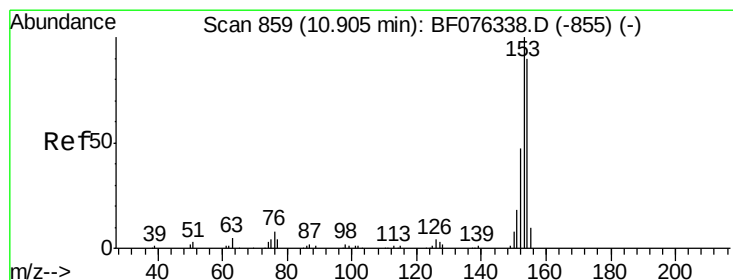
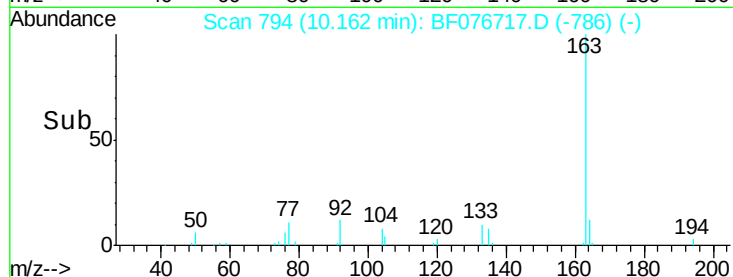
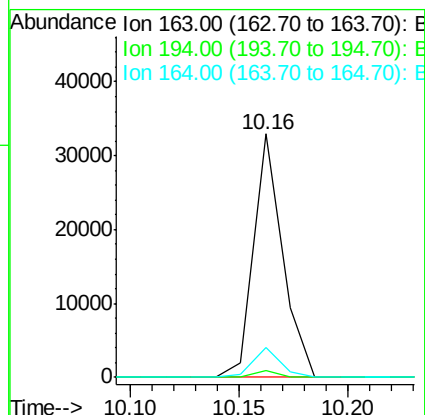
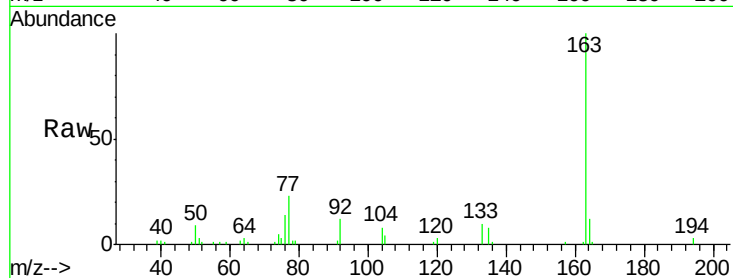




#49
Dimethylphthalate
Concen: 5.22 ng
RT: 10.16 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF076717.D
Acq: 31 Dec 2014 23:37

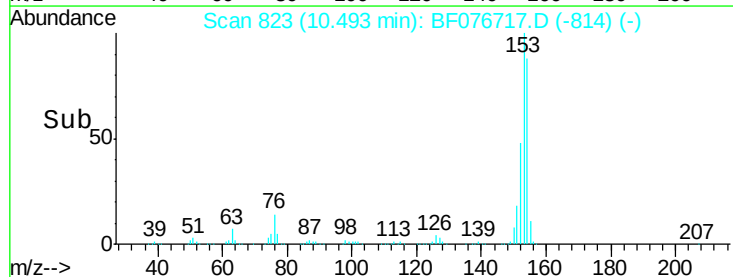
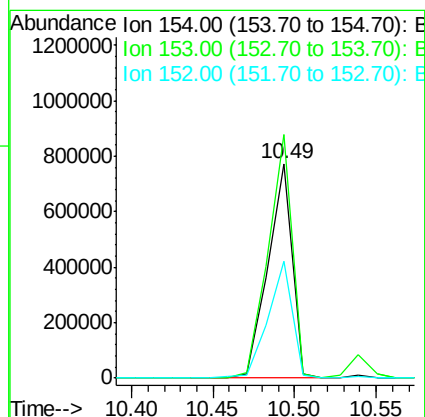
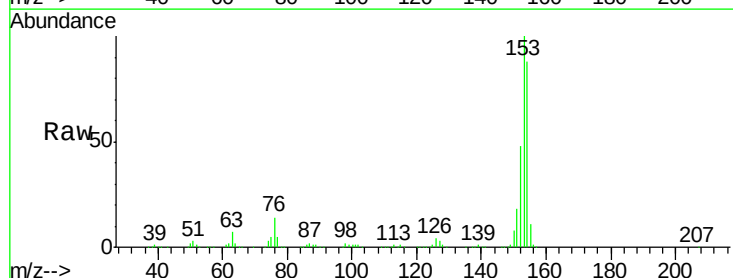
Instrument :
BNA_F
ClientSampleId :
RWB4

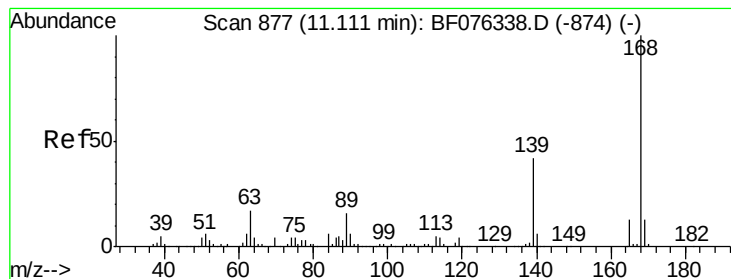
Tot Ion:163 Resp: 30436
Ion Ratio Lower Upper
163 100
194 2.8 2.6 4.0
164 12.2 7.7 11.5#



#51
Acenaphthene
Concen: 171.33 ng
RT: 10.49 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF076717.D
Acq: 31 Dec 2014 23:37

Tgt Ion:154 Resp: 800542
Ion Ratio Lower Upper
154 100
153 113.6 89.4 134.0
152 54.8 42.1 63.1





#54

Dibenzenofuran

Concen: 76.81 ng

RT: 10.70 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF076717.D

Acq: 31 Dec 2014 23:37

Instrument :

BNA_F

ClientSampleId :

RWB4

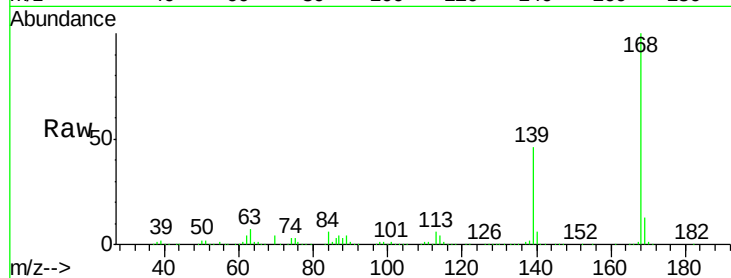
Tot Ion:168 Resp: 519105

Ion Ratio Lower Upper

168 100

139 46.2 34.2 51.4

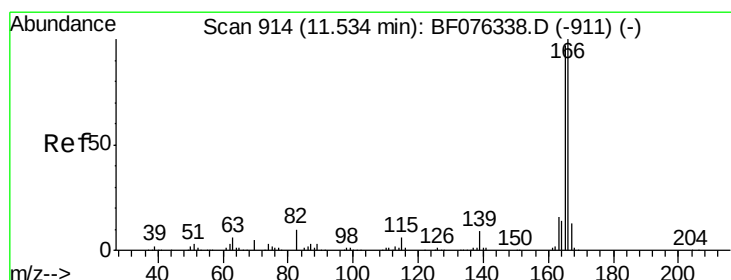
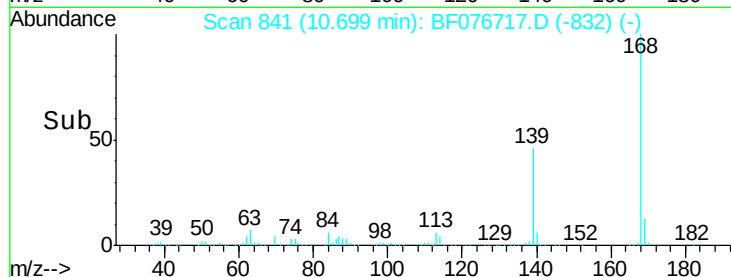
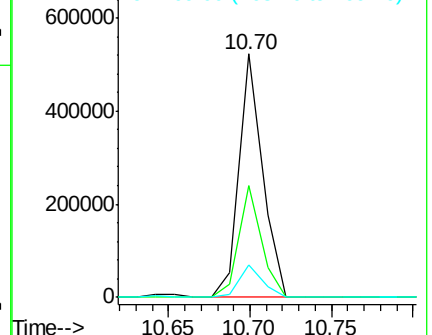
169 13.4 10.6 16.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 105.74 ng

RT: 11.12 min Scan# 878

Delta R.T. 0.00 min

Lab File: BF076717.D

Acq: 31 Dec 2014 23:37

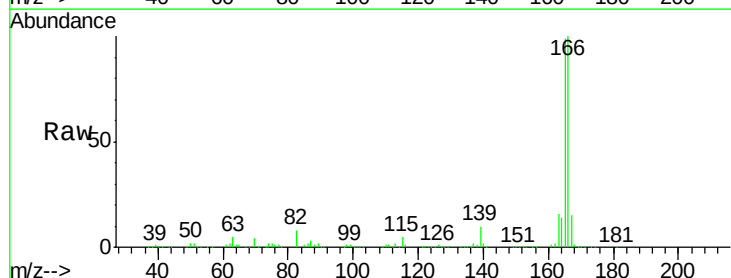
Tgt Ion:166 Resp: 600254

Ion Ratio Lower Upper

166 100

165 99.3 77.9 116.9

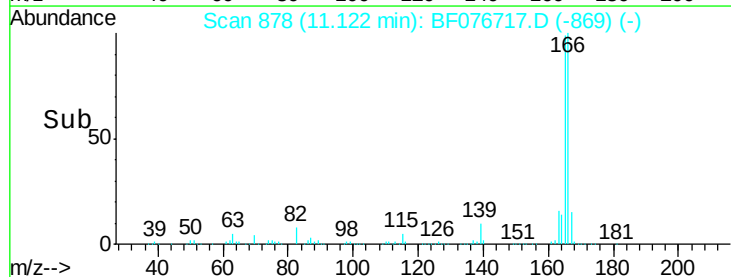
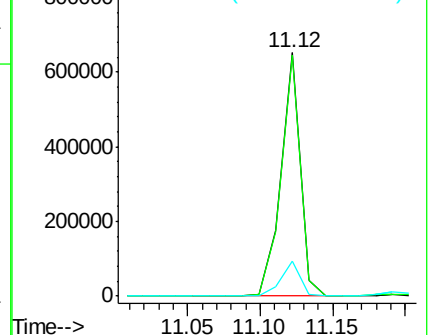
167 14.6 10.6 15.8

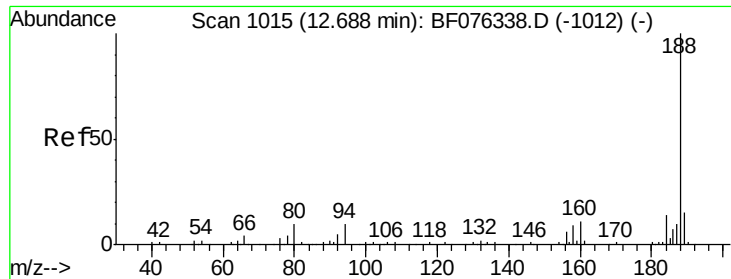


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

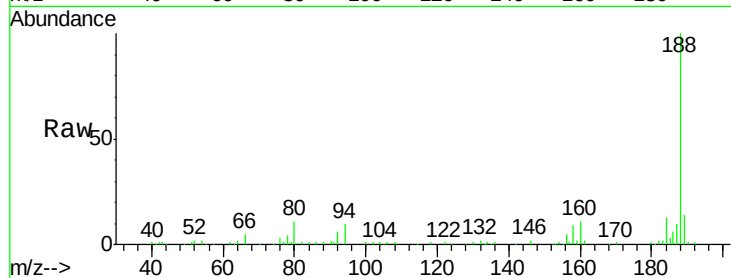




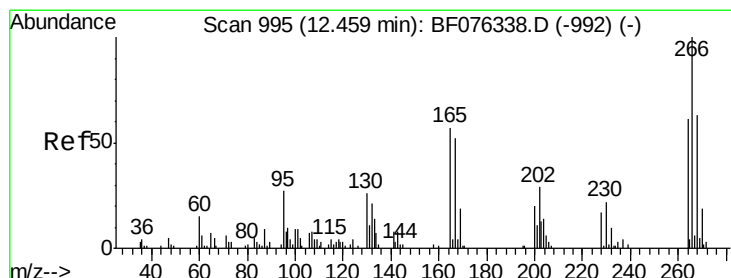
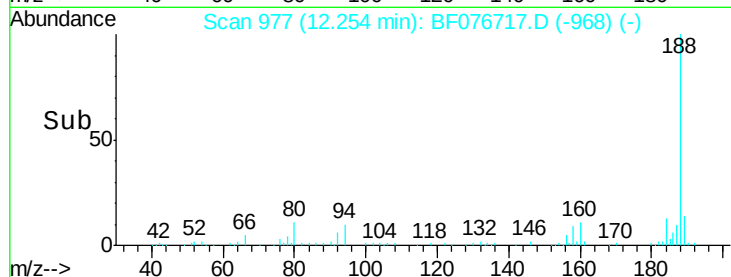
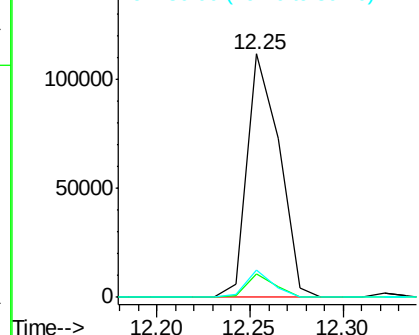
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.25 min Scan# 977
Delta R.T. 0.00 min
Lab File: BF076717.D
Acq: 31 Dec 2014 23:37

Instrument :
BNA_F
ClientSampleId :
RWB4

Tot Ion:188 Resp: 133761
Ion Ratio Lower Upper
188 100
94 9.5 7.9 11.9
80 11.4 8.2 12.2

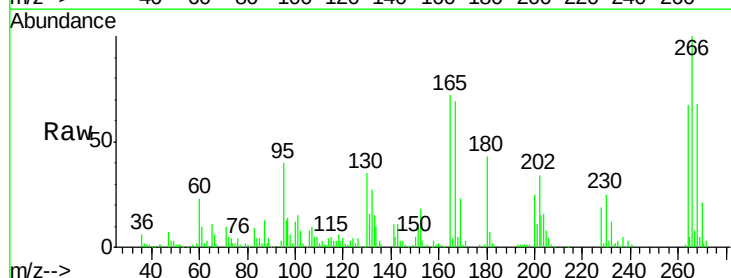


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

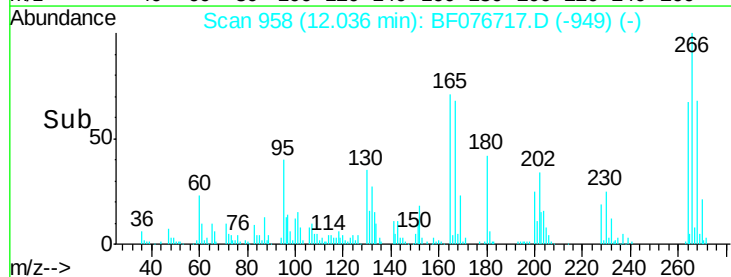
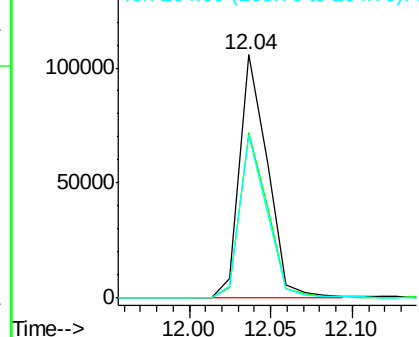


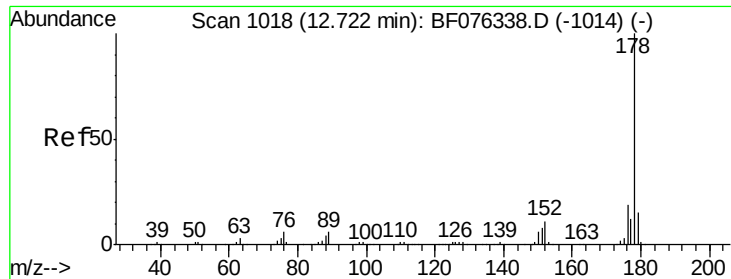
#69
Pentachlorophenol
Concen: 167.68 ng
RT: 12.04 min Scan# 958
Delta R.T. 0.00 min
Lab File: BF076717.D
Acq: 31 Dec 2014 23:37

Tgt Ion:266 Resp: 124827
Ion Ratio Lower Upper
266 100
268 68.0 50.7 76.1
264 66.8 48.7 73.1



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

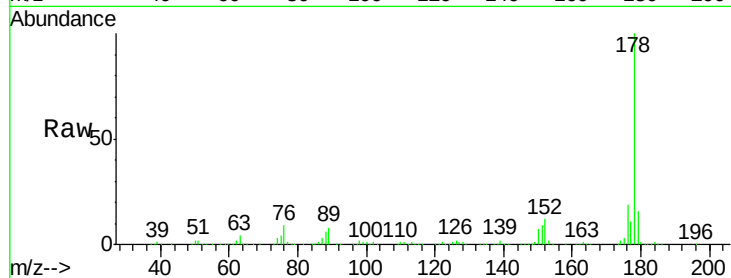




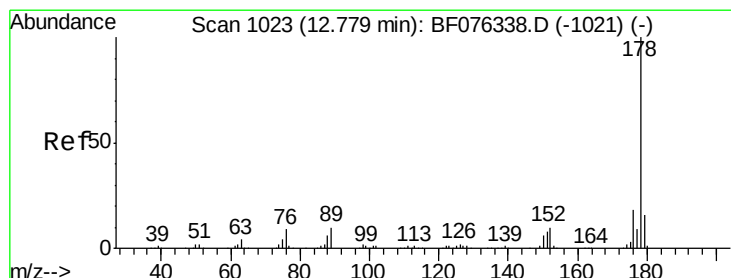
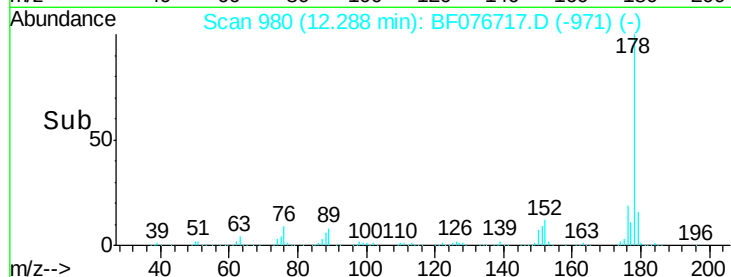
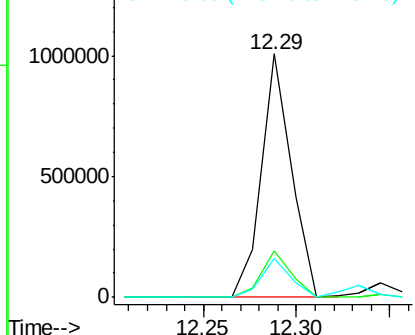
#70
Phenanthrene
Concen: 138.85 ng
RT: 12.29 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF076717.D
Acq: 31 Dec 2014 23:37

Instrument :
BNA_F
ClientSampleId :
RWB4

Tot Ion:178 Resp: 1120644
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.7 12.2 18.4

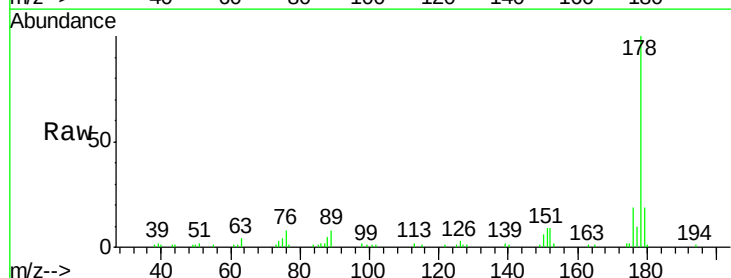


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

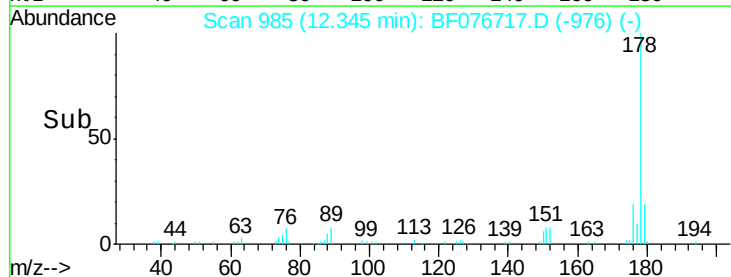
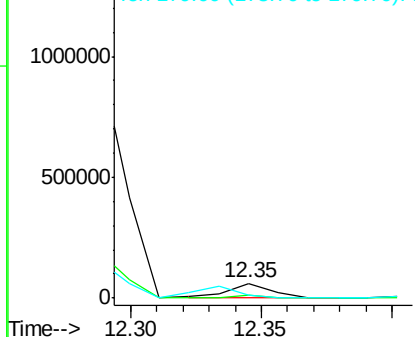


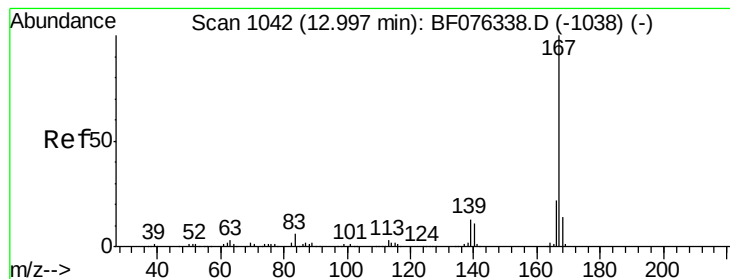
#71
Anthracene
Concen: 8.71 ng
RT: 12.35 min Scan# 985
Delta R.T. 0.00 min
Lab File: BF076717.D
Acq: 31 Dec 2014 23:37

Tgt Ion:178 Resp: 68962
Ion Ratio Lower Upper
178 100
176 19.4 14.3 21.5
179 18.8 12.7 19.1



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





#72

Carbazole

Concen: 18.93 ng

RT: 12.56 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BF076717.D

Acq: 31 Dec 2014 23:37

Instrument :

BNA_F

ClientSampleId :

RWB4

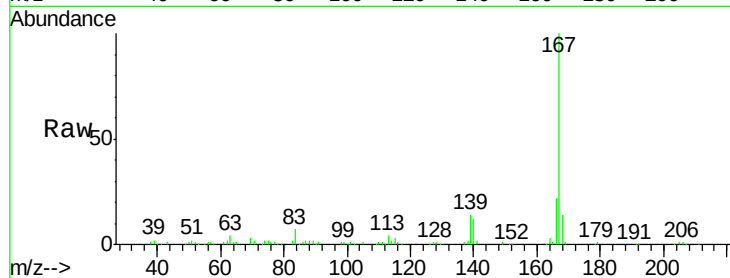
Tot Ion:167 Resp: 145373

Ion Ratio Lower Upper

167 100

166 21.7 17.4 26.2

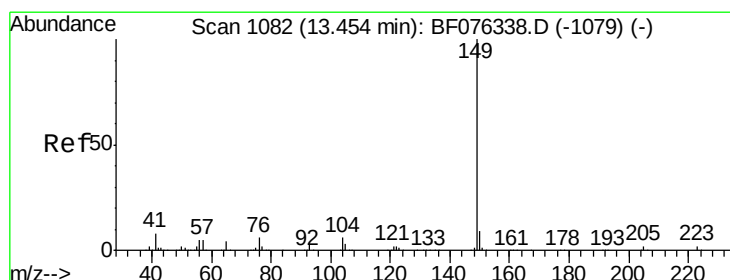
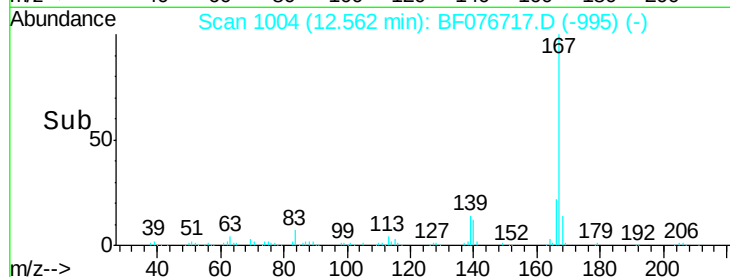
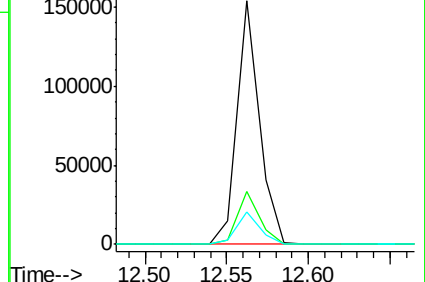
139 13.5 10.6 16.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 3.34 ng

RT: 13.04 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF076717.D

Acq: 31 Dec 2014 23:37

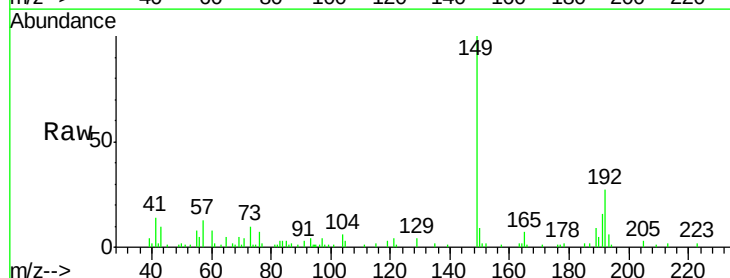
Tgt Ion:149 Resp: 31499

Ion Ratio Lower Upper

149 100

150 8.9 7.1 10.7

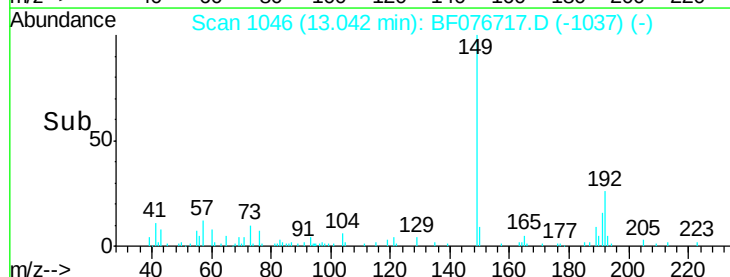
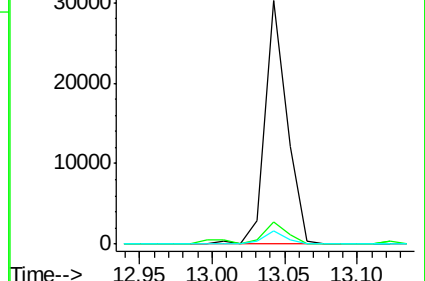
104 5.6 4.5 6.7

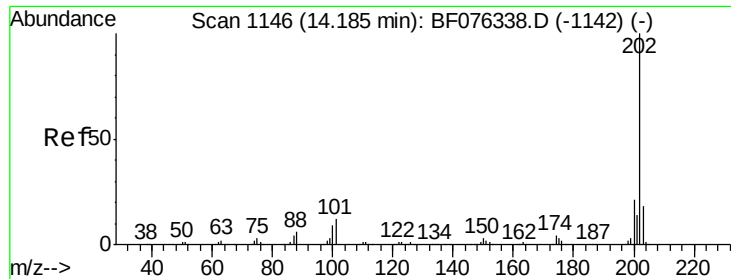


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 33.23 ng

RT: 13.74 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BF076717.D

Acq: 31 Dec 2014 23:37

Instrument :

BNA_F

ClientSampleId :

RWB4

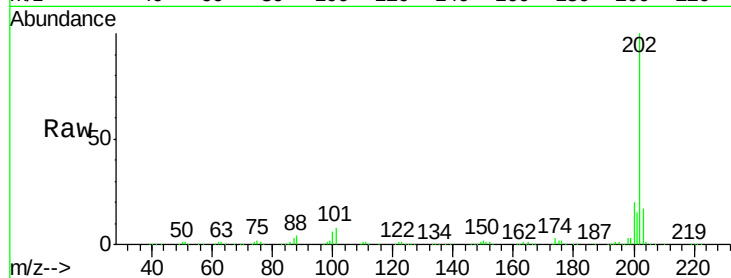
Tot Ion:202 Resp: 273807

Ion Ratio Lower Upper

202 100

101 7.6 0.0 32.3

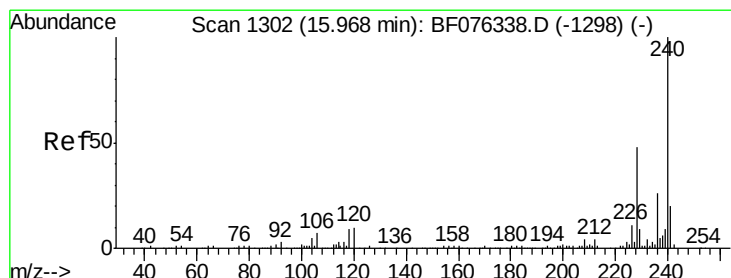
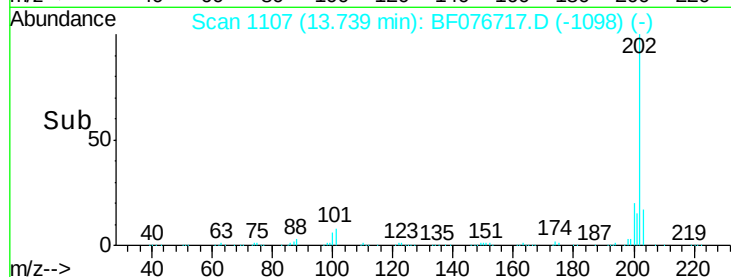
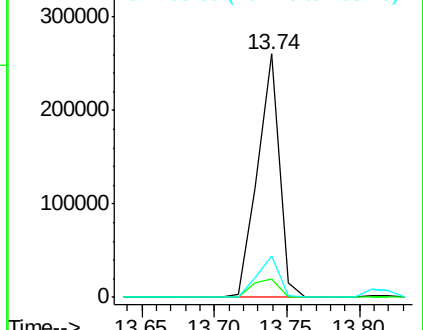
203 16.8 0.0 37.5



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: 15.49 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BF076717.D

Acq: 31 Dec 2014 23:37

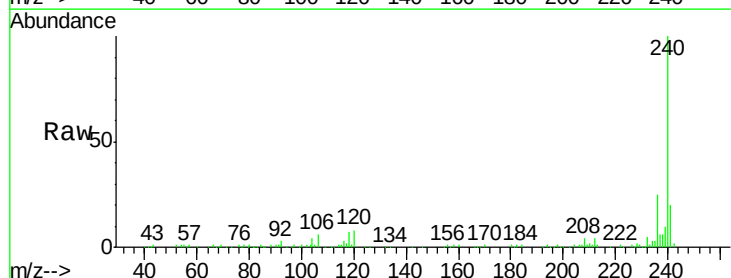
Tgt Ion:240 Resp: 137599

Ion Ratio Lower Upper

240 100

120 8.3 8.0 12.0

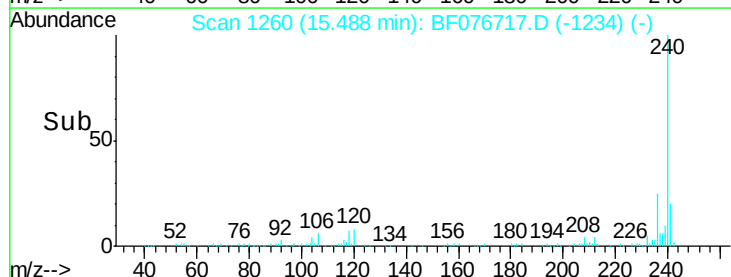
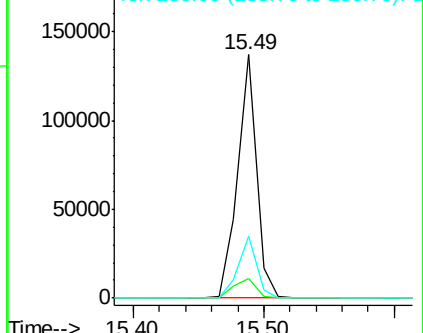
236 25.4 20.6 30.8

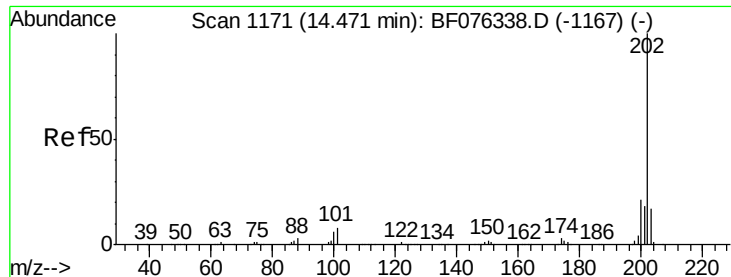


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 15.49 ng

RT: 14.00 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BF076717.D

Acq: 31 Dec 2014 23:37

Instrument :

BNA_F

ClientSampleId :

RWB4

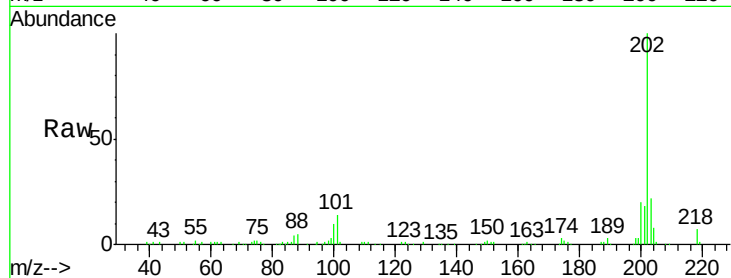
Tot Ion:202 Resp: 149122

Ion Ratio Lower Upper

202 100

200 19.6 16.8 25.2

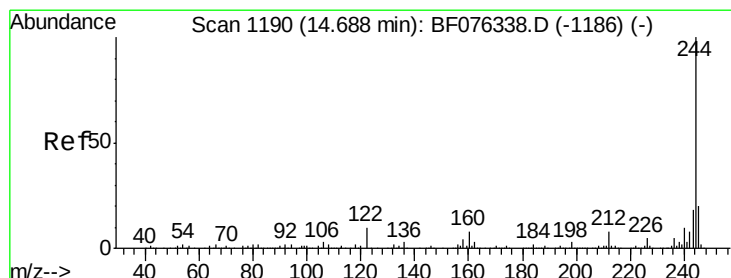
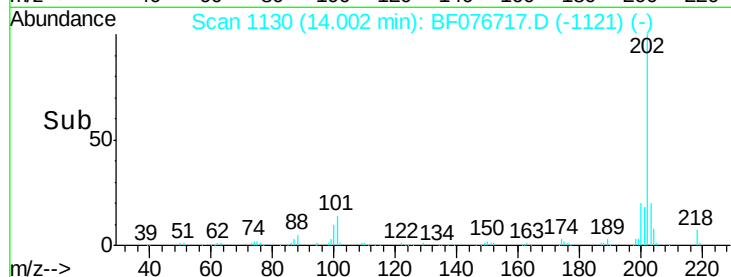
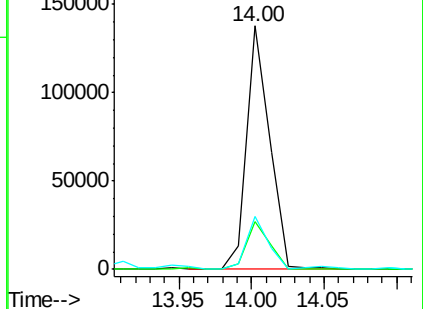
203 21.8 13.5 20.3#



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: 70.72 ng

RT: 14.24 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BF076717.D

Acq: 31 Dec 2014 23:37

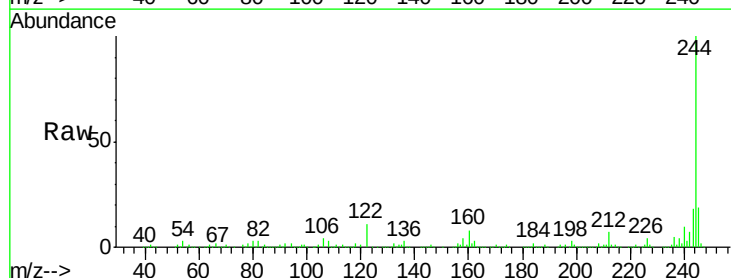
Tgt Ion:244 Resp: 441158

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

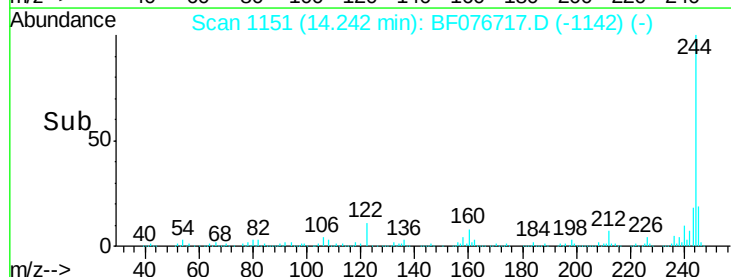
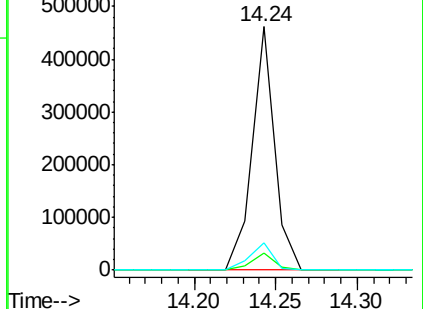
122 11.2 8.2 12.2

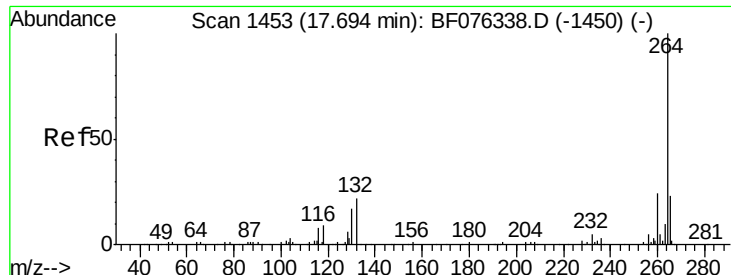


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

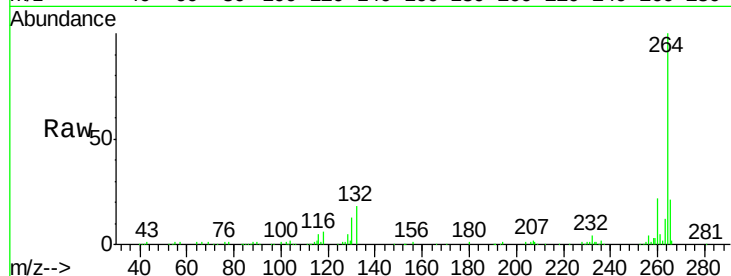




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.13 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF076717.D
Acq: 31 Dec 2014 23:37

Instrument :
BNA_F
ClientSampleId :
RWB4

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.4	29.2
265	20.6	18.1	27.1



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

