

Data File : BF093215.D
Acq On : 27 Feb 2017 20:12
Operator : SJ/MA
Sample : I1997-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-BB6-BASE

Quant Time: Feb 27 23:53:03 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	160832	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	626525	20.00	ng	-0.05
38) Acenaphthene-d10	9.86	164	315836	20.00	ng	-0.03
63) Phenanthrene-d10	11.35	188	588564	20.00	ng	-0.03
75) Chrysene-d12	13.99	240	516525	20.00	ng	-0.03
86) Perylene-d12	15.41	264	383415	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1402683	149.63	ng	-0.02
7) Phenol-d6	6.48	99	1934350	160.37	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1246584	110.80	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	389834	170.66	ng	-0.02
44) 2-Fluorobiphenyl	9.18	172	1875687	107.59	ng	-0.03
78) Terphenyl-d14	12.93	244	1475364	67.11	ng	-0.03

Target Compounds						Qvalue
15) Benzyl Alcohol	6.97	79	19127	2.14	ng	# 41
19) n-Nitroso-di-n-propylamine	7.39	70	177632	23.13	ng	# 76
20) 3+4-Methylphenols	7.25	107	32427	3.06	ng	# 71
25) Isophorone	7.39	82	1173147	55.96	ng	# 65
27) 2,4-Dimethylphenol	7.77	122	33247	3.45	ng	99
31) Naphthalene	8.12	128	175232	5.52	ng	98
32) Benzoic acid	7.89	122	29493	11.76	ng	# 31
37) 2-Methylnaphthalene	8.82	142	85535	4.19	ng	95
49) Dimethylphthalate	9.57	163	448808	21.10	ng	99
51) Acenaphthene	9.88	154	58630	3.17	ng	96
54) Dibenzofuran	10.06	168	64877	2.63	ng	90
57) Fluorene	10.41	166	62940	3.31	ng	99
64) 4,6-Dinitro-2-methylphenol	10.65	198	1588	3.09	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	26139	4.25	ng	# 1
70) Phenanthrene	11.37	178	274505	8.14	ng	98
74) Fluoranthene	12.56	202	173698	4.99	ng	92
77) Pyrene	12.79	202	142044	3.67	ng	98

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

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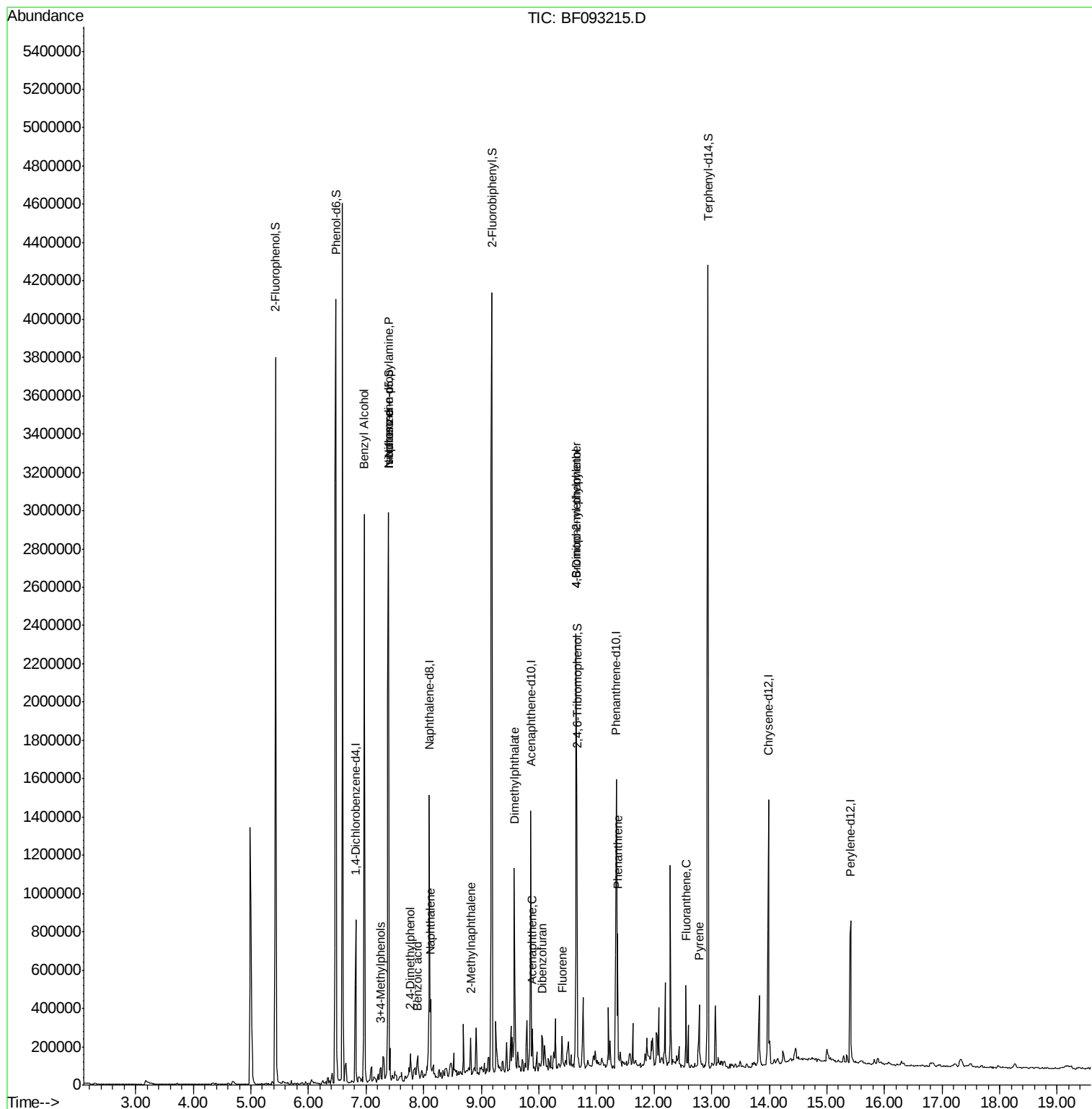
Quant Time: Feb 27 23:53:03 2017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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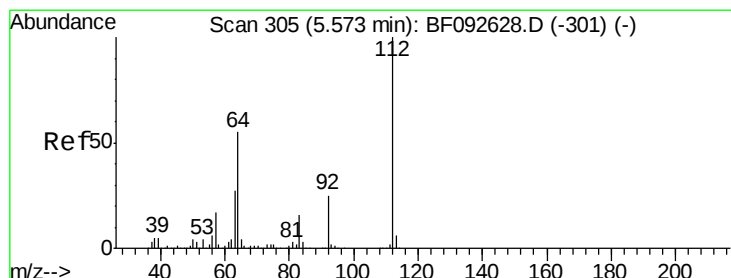
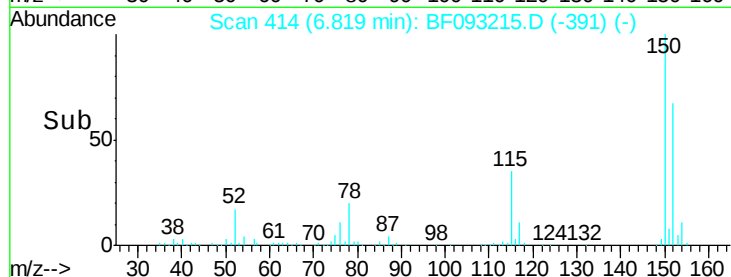
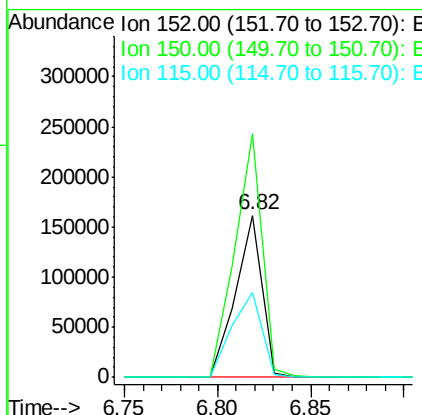
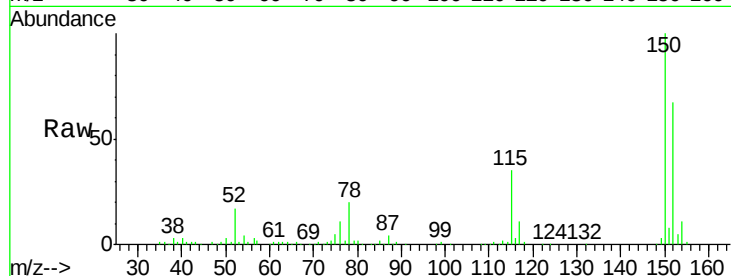




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.82 min Scan# 414
 Delta R.T. -0.03 min
 Lab File: BF093215.D
 Acq: 27 Feb 2017 20:12

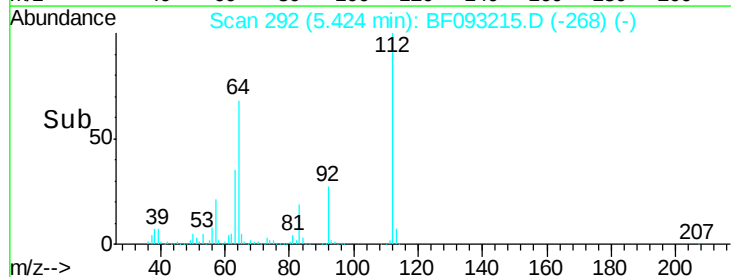
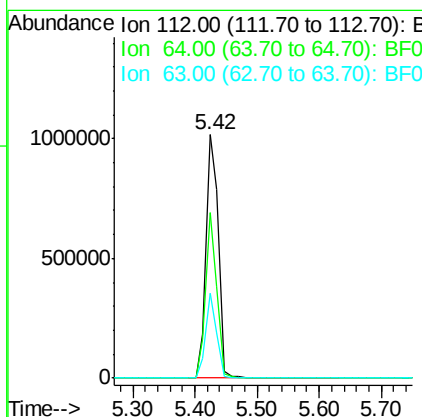
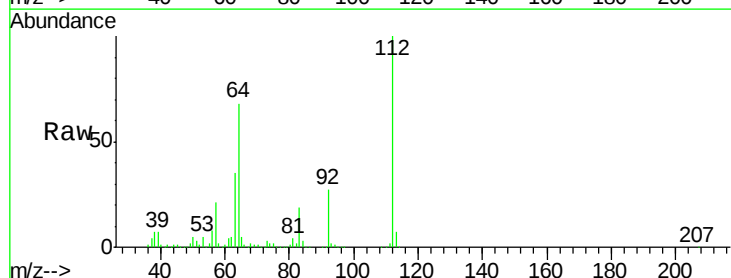
Instrument :
 BNA_F
 ClientSampleId :
 E2-BB6-BASE

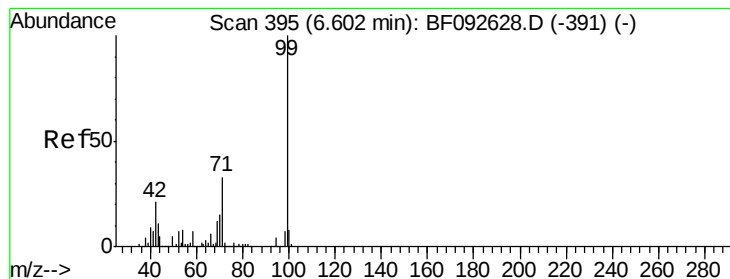
Tgt Ion:152 Resp: 160832
 Ion Ratio Lower Upper
 152 100
 150 150.3 124.9 187.3
 115 52.1 46.0 69.0



#5
 2-Fluorophenol
 Concen: 149.63 ng
 RT: 5.42 min Scan# 292
 Delta R.T. -0.02 min
 Lab File: BF093215.D
 Acq: 27 Feb 2017 20:12

Tgt Ion:112 Resp: 1402683
 Ion Ratio Lower Upper
 112 100
 64 67.9 46.1 69.1
 63 34.6 23.8 35.6





#7

Phenol-d6

Concen: 160.37 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093215.D

Acq: 27 Feb 2017 20:12

Instrument :

BNA_F

ClientSampleId :

E2-BB6-BASE

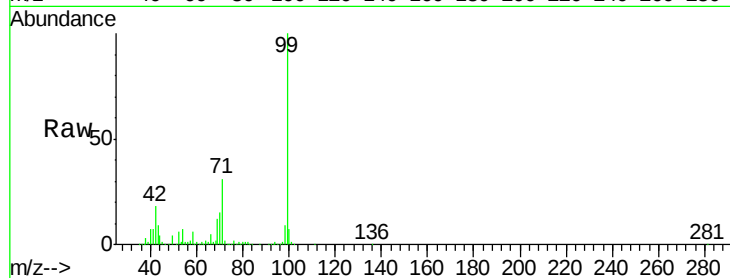
Tgt Ion: 99 Resp: 1934350

Ion Ratio Lower Upper

99 100

42 17.7 15.6 23.4

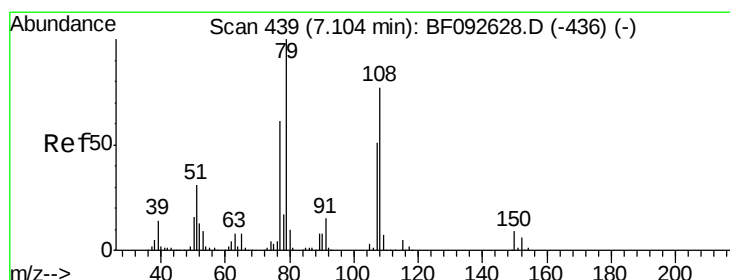
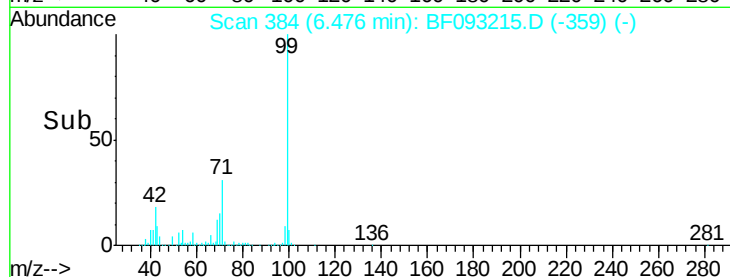
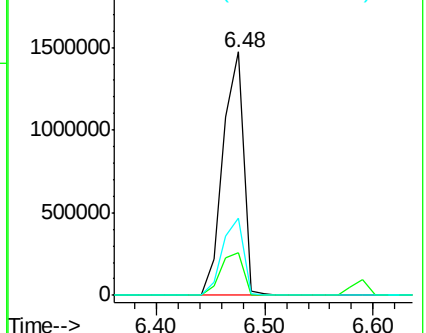
71 31.5 27.5 41.3



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



#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.03 min

Lab File: BF093215.D

Acq: 27 Feb 2017 20:12

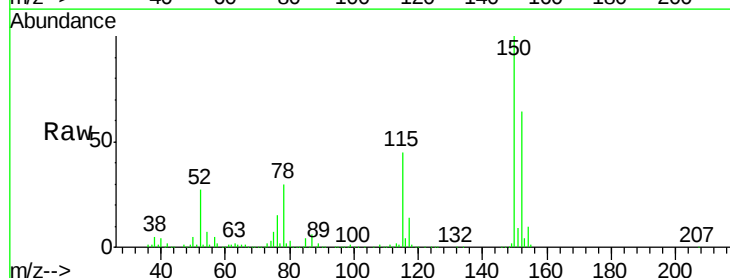
Tgt Ion: 79 Resp: 19127

Ion Ratio Lower Upper

79 100

108 24.8 61.4 92.0#

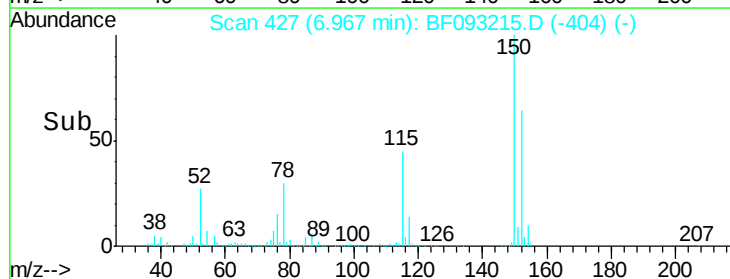
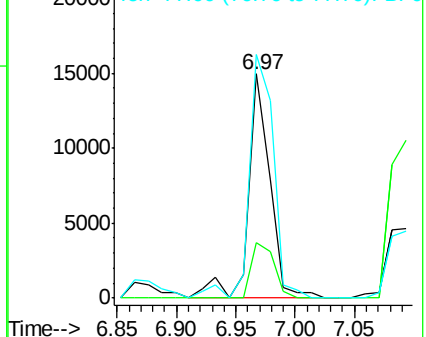
77 108.8 50.9 76.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

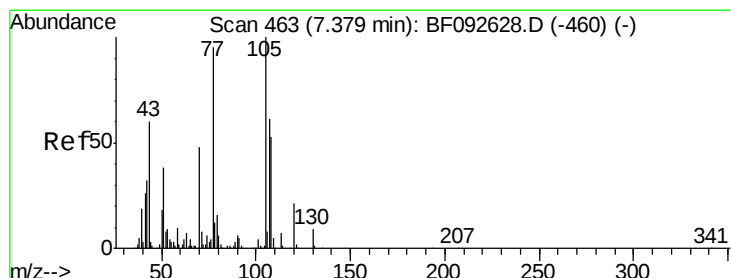
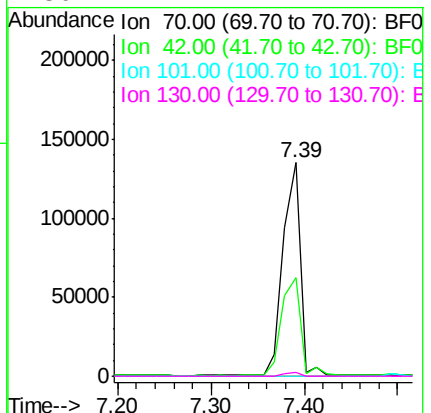
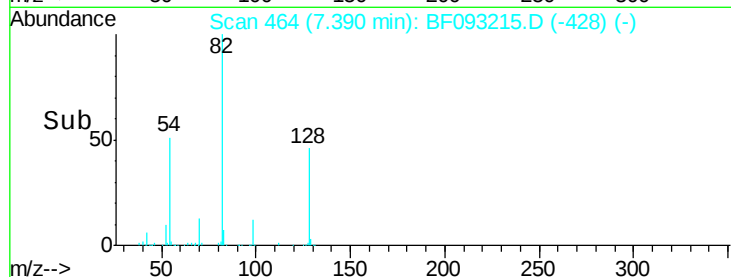
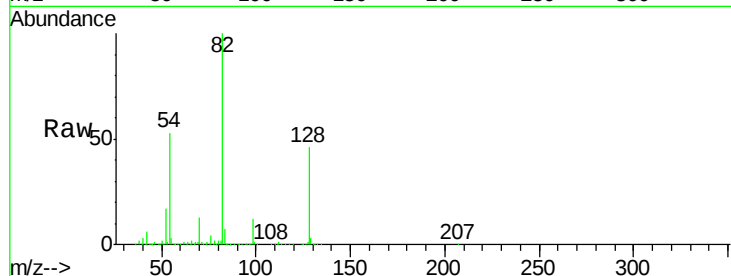




#19
n-Nitroso-di-n-propylamine
Concen: 23.13 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.11 min
Lab File: BF093215.D
Acq: 27 Feb 2017 20:12

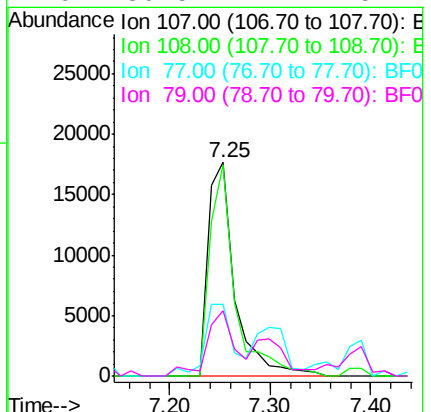
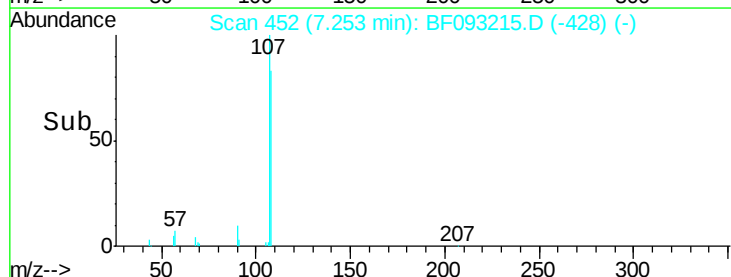
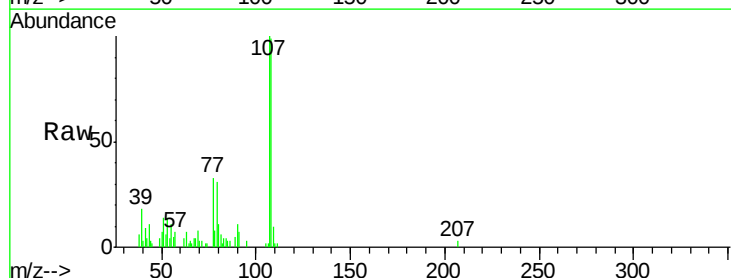
Instrument :
BNA_F
ClientSampleId :
E2-BB6-BASE

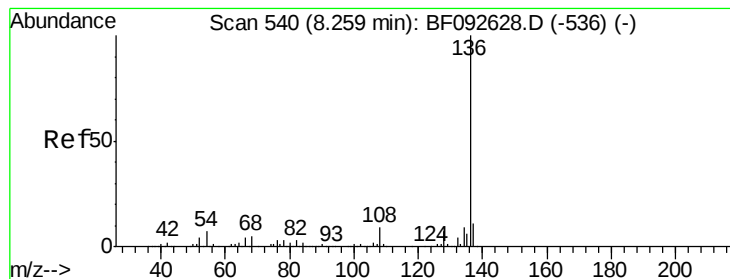
Tgt Ion: 70 Resp: 177632
Ion Ratio Lower Upper
70 100
42 46.1 49.4 74.0#
101 0.0 7.4 11.2#
130 2.1 14.2 21.4#



#20
3+4-Methylphenols
Concen: 3.06 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.02 min
Lab File: BF093215.D
Acq: 27 Feb 2017 20:12

Tgt Ion: 107 Resp: 32427
Ion Ratio Lower Upper
107 100
108 98.7 73.0 113.0
77 33.3 71.3 111.3#
79 30.5 11.1 51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.05 min

Lab File: BF093215.D

Acq: 27 Feb 2017 20:12

Instrument :

BNA_F

ClientSampleId :

E2-BB6-BASE

Tgt Ion:136 Resp: 626525

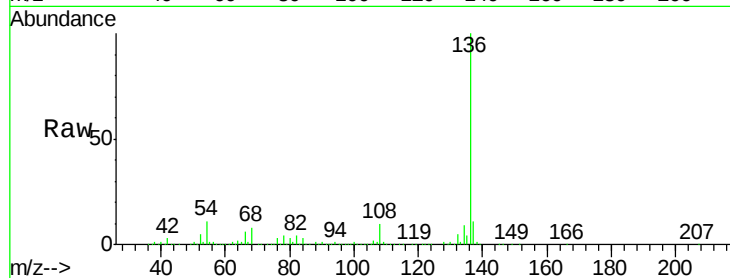
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 10.8 4.5 6.7#

68 7.8 3.6 5.4#

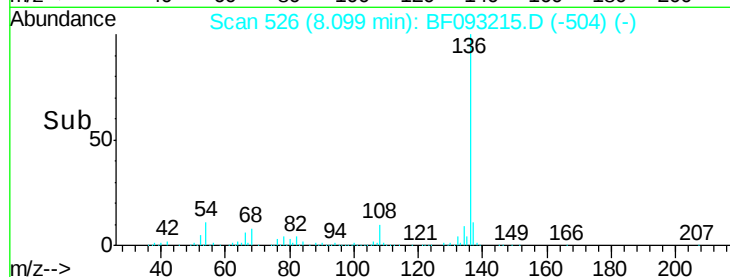


Abundance Ion 136.00 (135.70 to 136.70): E

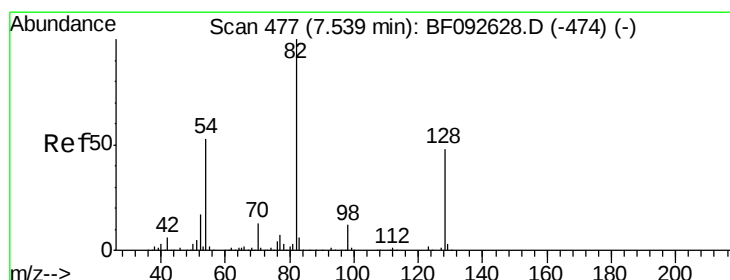
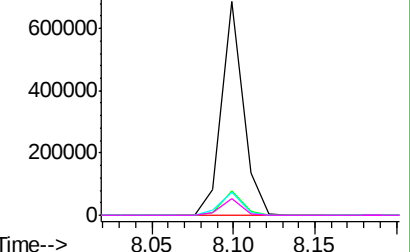
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 110.80 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.03 min

Lab File: BF093215.D

Acq: 27 Feb 2017 20:12

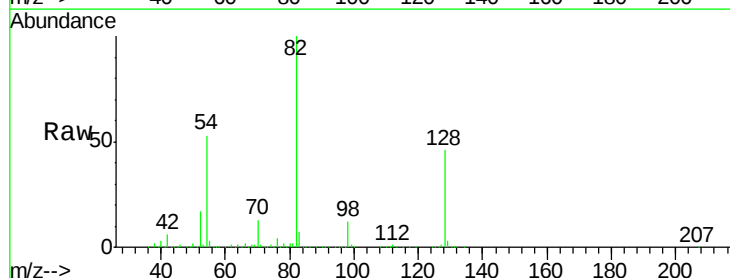
Tgt Ion: 82 Resp: 1246584

Ion Ratio Lower Upper

82 100

128 46.0 34.6 52.0

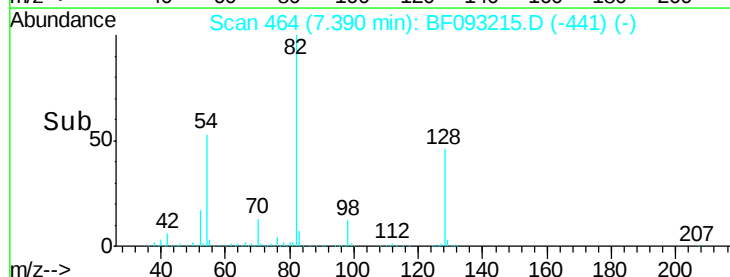
54 52.9 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

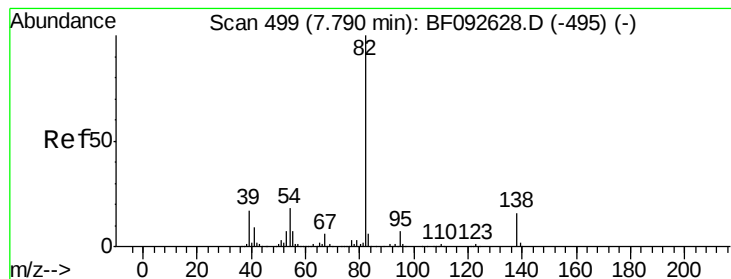
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 55.96 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.30 min

Lab File: BF093215.D

Acq: 27 Feb 2017 20:12

Instrument :

BNA_F

ClientSampleId :

E2-BB6-BASE

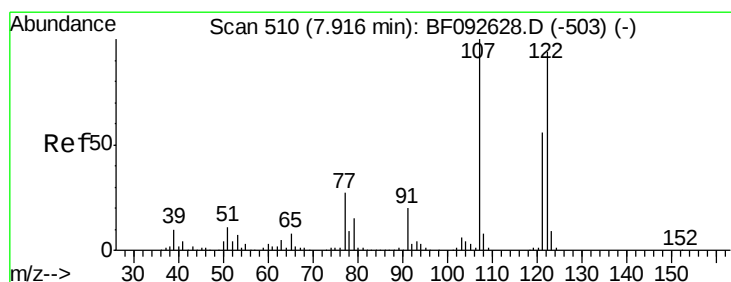
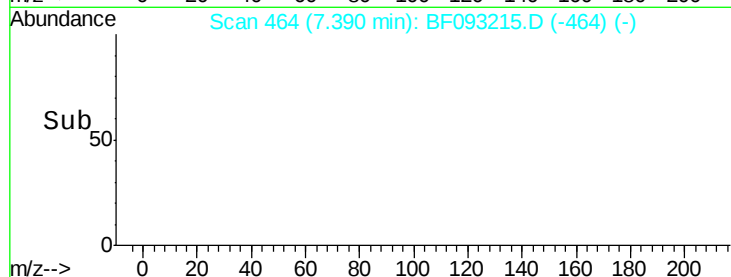
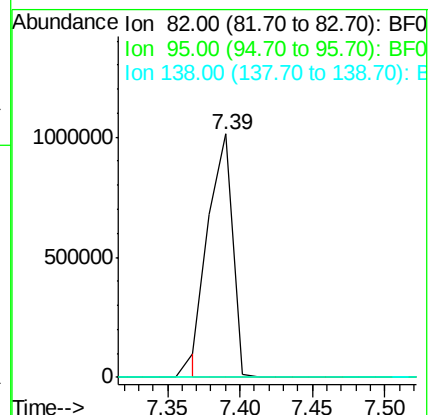
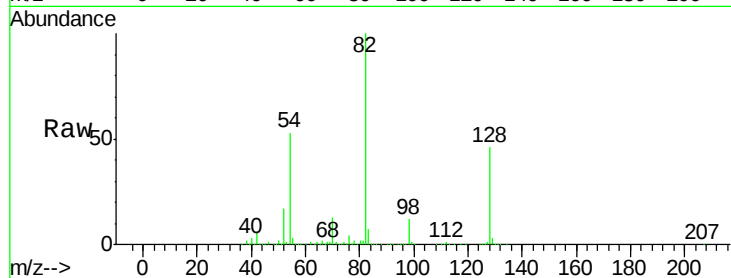
Tgt Ion: 82 Resp: 1173147

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 14.6 22.0#



#27

2,4-Dimethylphenol

Concen: 3.45 ng

RT: 7.77 min Scan# 497

Delta R.T. -0.03 min

Lab File: BF093215.D

Acq: 27 Feb 2017 20:12

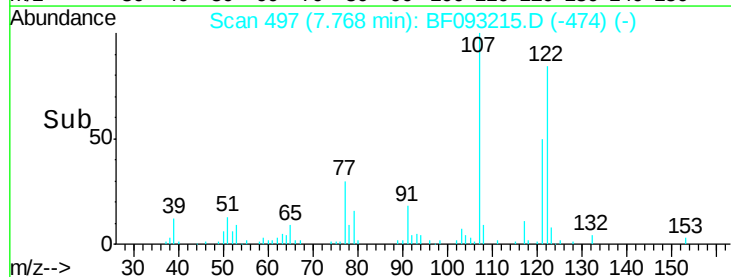
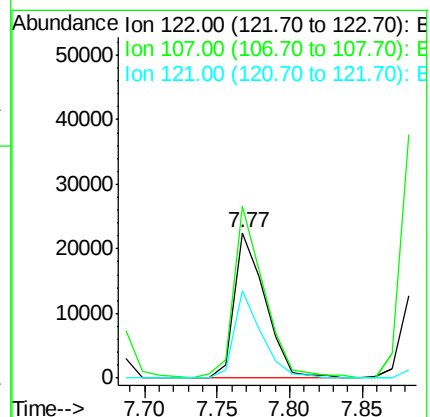
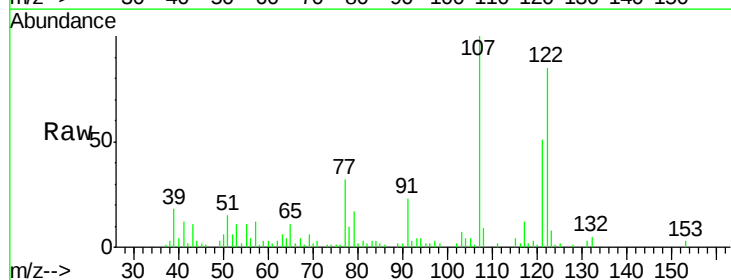
Tgt Ion: 122 Resp: 33247

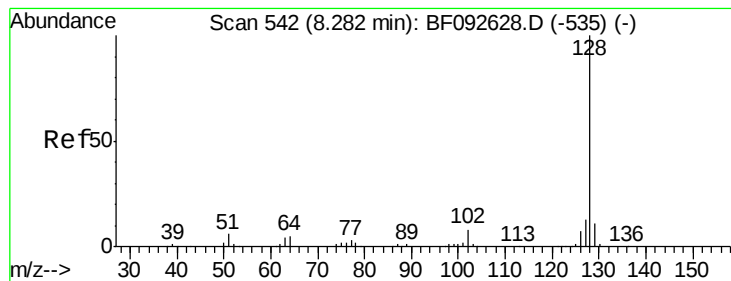
Ion Ratio Lower Upper

122 100

107 118.1 94.1 141.1

121 60.0 46.0 69.0





#31

Naphthalene

Concen: 5.52 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: BF093215.D

Acq: 27 Feb 2017 20:12

Instrument :

BNA_F

ClientSampleId :

E2-BB6-BASE

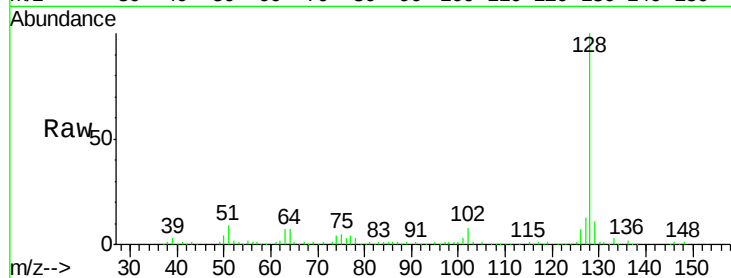
Tgt Ion:128 Resp: 175232

Ion Ratio Lower Upper

128 100

129 11.2 9.5 14.3

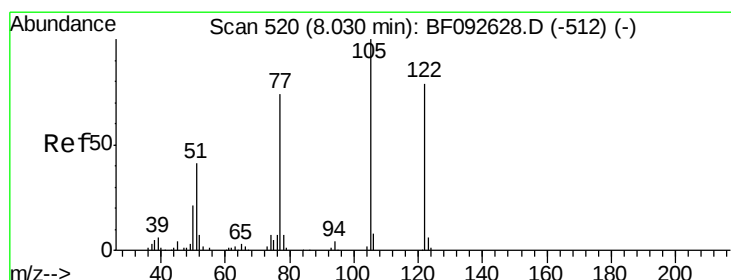
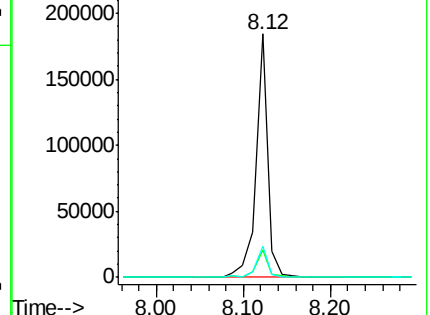
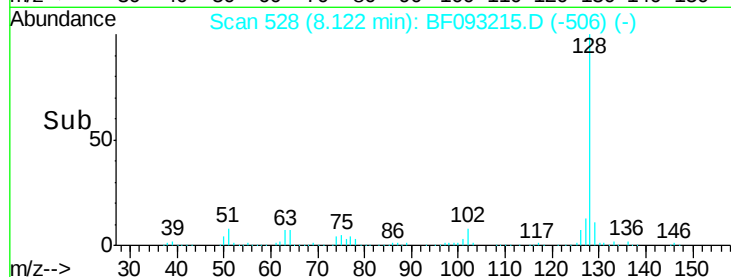
127 13.0 10.8 16.2



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



#32

Benzoic acid

Concen: 11.76 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.03 min

Lab File: BF093215.D

Acq: 27 Feb 2017 20:12

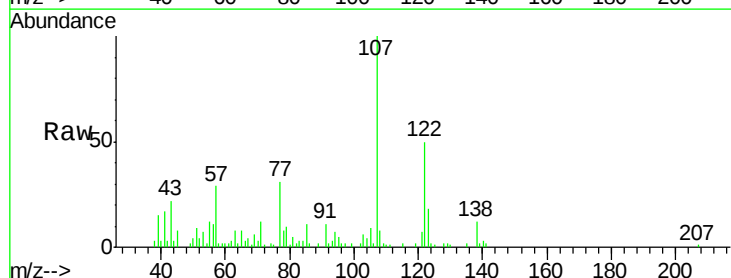
Tgt Ion:122 Resp: 29493

Ion Ratio Lower Upper

122 100

105 18.8 107.2 147.2#

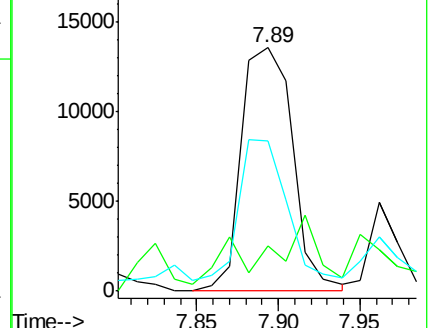
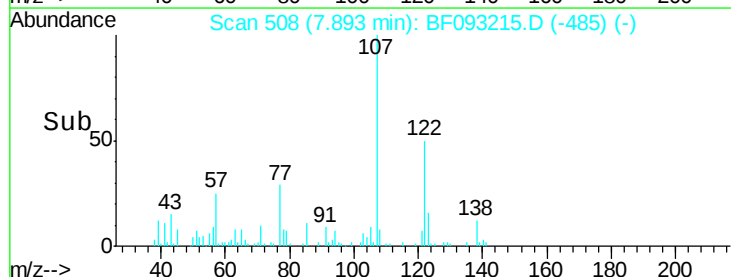
77 61.5 74.5 114.5#

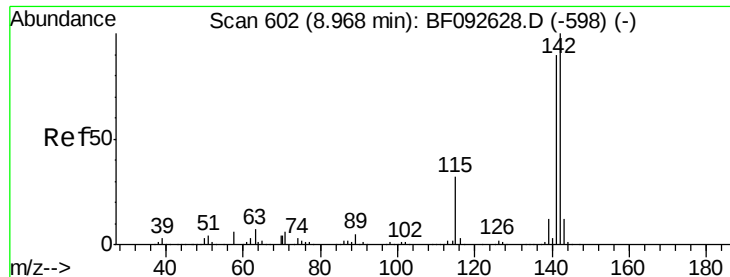


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

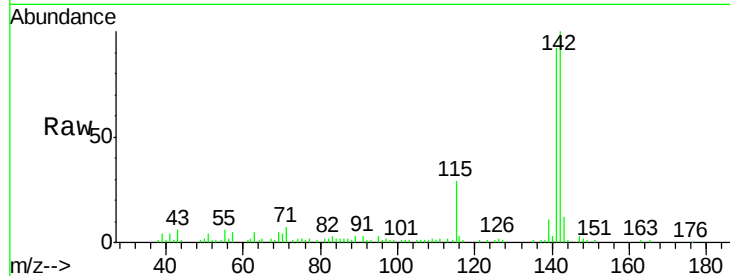




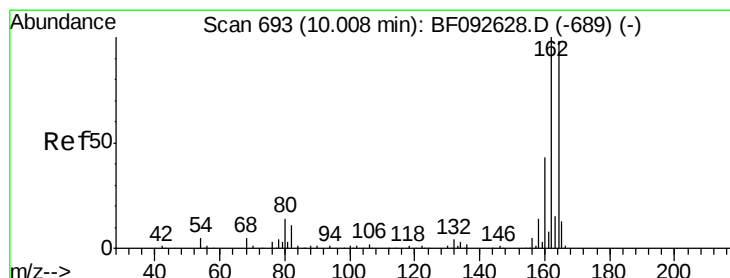
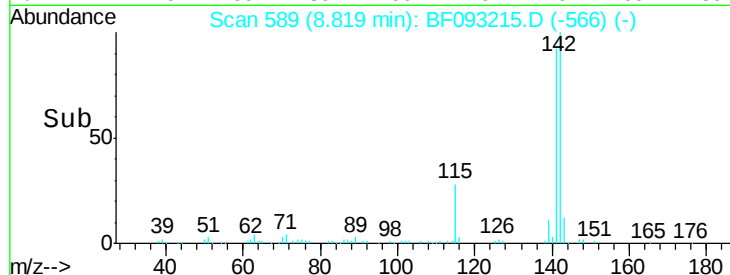
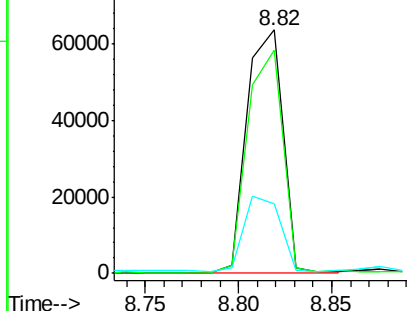
#37
 2-Methylnaphthalene
 Concen: 4.19 ng
 RT: 8.82 min Scan# 589
 Delta R.T. -0.03 min
 Lab File: BF093215.D
 Acq: 27 Feb 2017 20:12

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB6-BASE

Tgt Ion:142 Resp: 85535
 Ion Ratio Lower Upper
 142 100
 141 91.6 71.0 106.6
 115 28.7 28.3 42.5

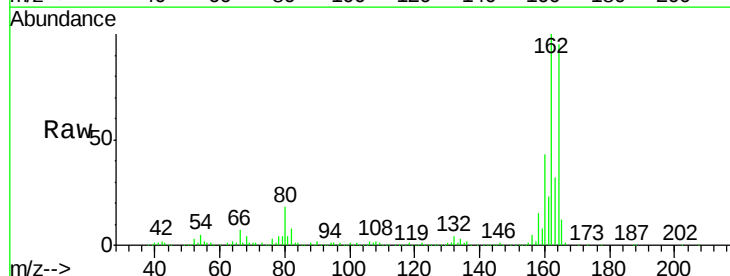


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

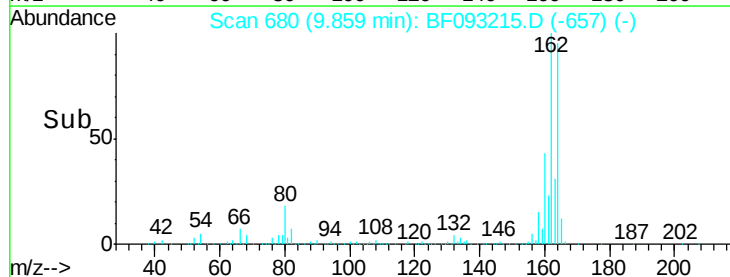
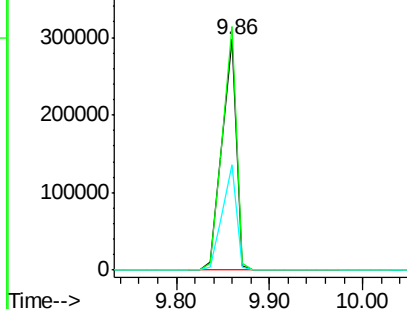


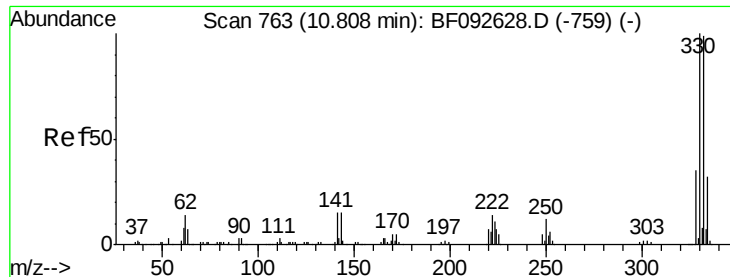
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.03 min
 Lab File: BF093215.D
 Acq: 27 Feb 2017 20:12

Tgt Ion:164 Resp: 315836
 Ion Ratio Lower Upper
 164 100
 162 105.5 80.2 120.2
 160 45.7 36.9 55.3



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

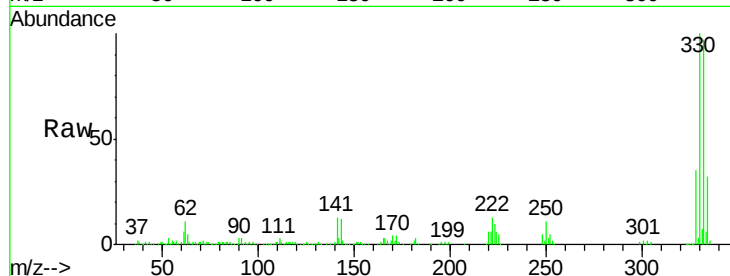




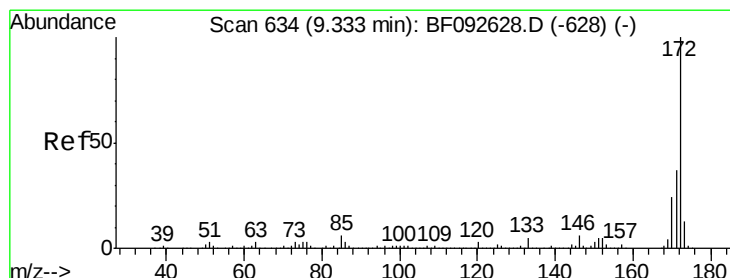
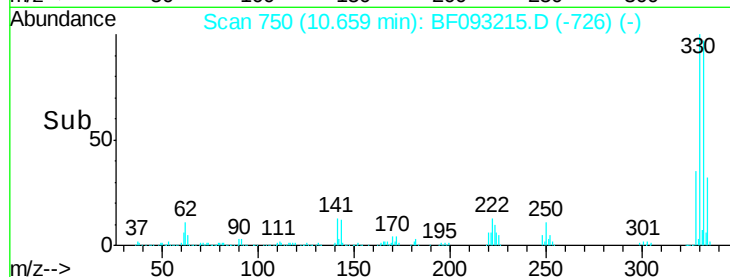
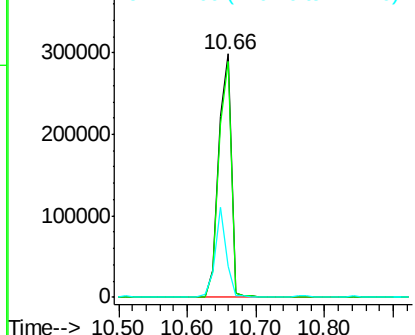
#41
 2,4,6-Tribromophenol
 Concen: 170.66 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: BF093215.D
 Acq: 27 Feb 2017 20:12

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB6-BASE

Tgt Ion:330 Resp: 389834
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.4 116.2
 141 32.5 34.1 51.1#

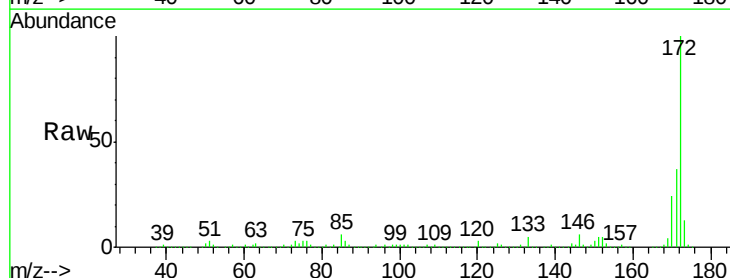


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

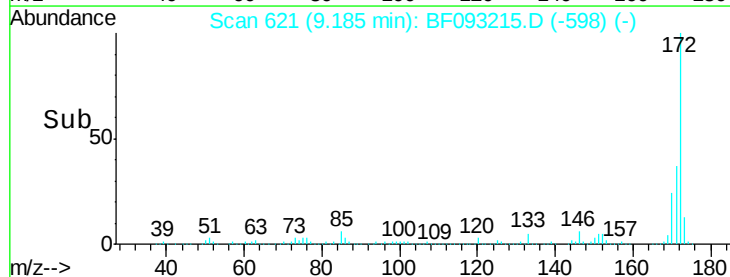
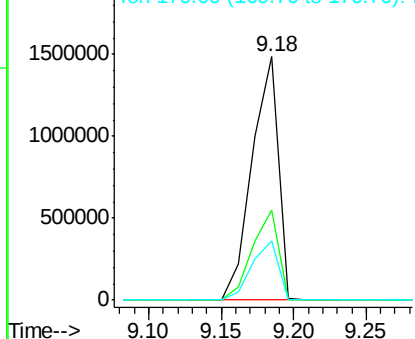


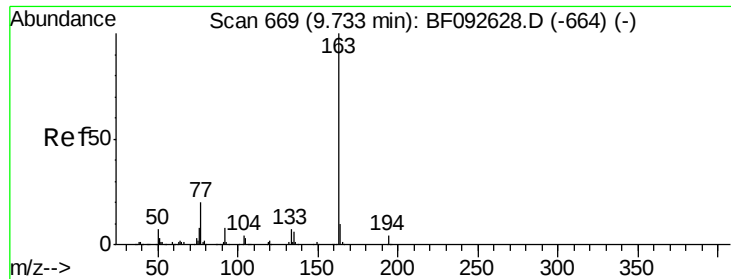
#44
 2-Fluorobiphenyl
 Concen: 107.59 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.03 min
 Lab File: BF093215.D
 Acq: 27 Feb 2017 20:12

Tgt Ion:172 Resp: 1875687
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 24.4 20.2 30.4



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

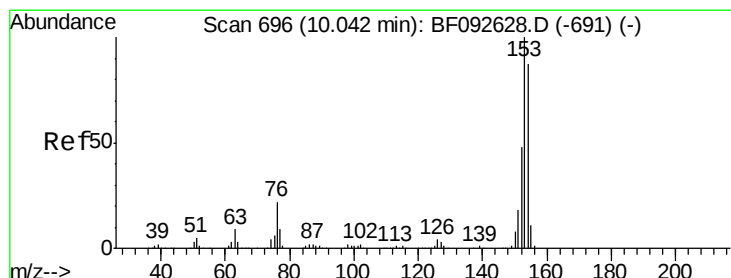
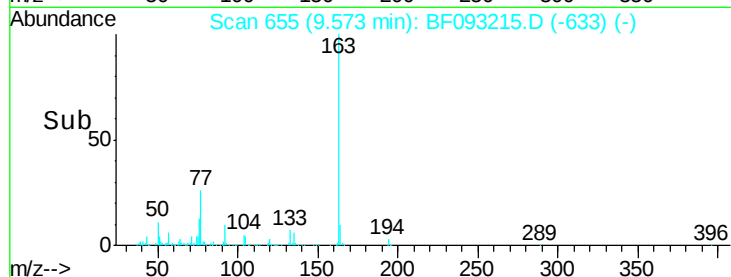
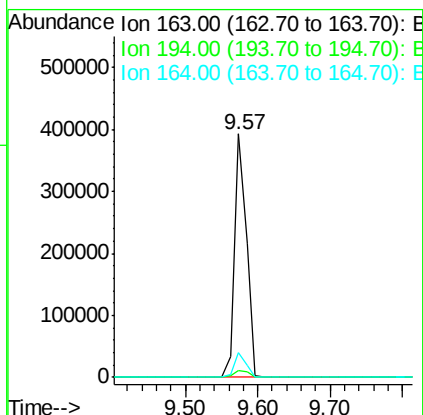
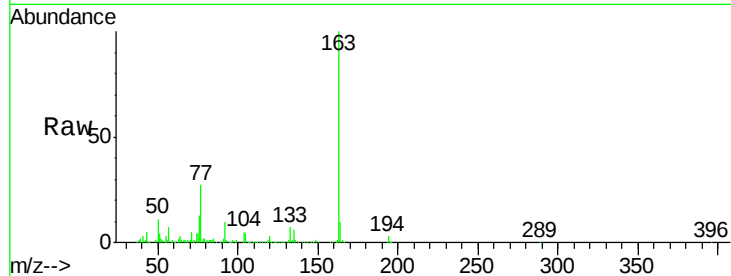




#49
Dimethylphthalate
Concen: 21.10 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF093215.D
Acq: 27 Feb 2017 20:12

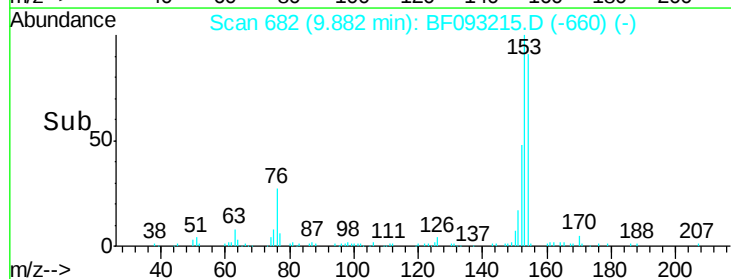
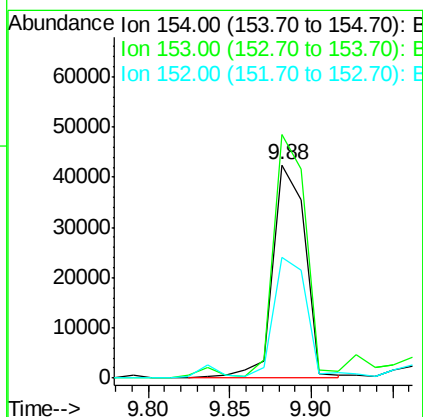
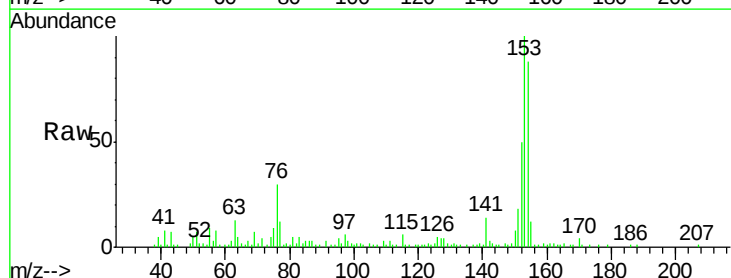
Instrument :
BNA_F
ClientSampleId :
E2-BB6-BASE

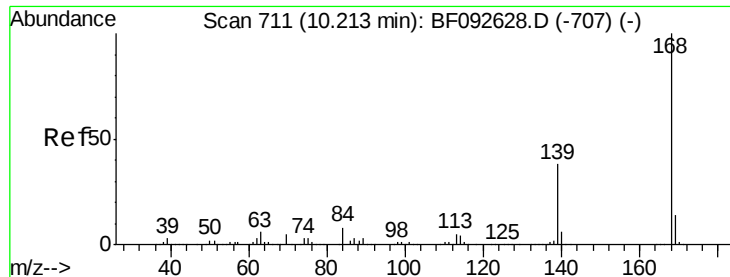
Tgt Ion:163 Resp: 448808
Ion Ratio Lower Upper
163 100
194 3.1 3.0 4.4
164 10.0 8.0 12.0



#51
Acenaphthene
Concen: 3.17 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.05 min
Lab File: BF093215.D
Acq: 27 Feb 2017 20:12

Tgt Ion:154 Resp: 58630
Ion Ratio Lower Upper
154 100
153 114.3 88.6 133.0
152 57.0 41.6 62.4





#54

Dibenzenofuran

Concen: 2.63 ng

RT: 10.06 min Scan# 698

Delta R.T. -0.03 min

Lab File: BF093215.D

Acq: 27 Feb 2017 20:12

Instrument :

BNA_F

ClientSampleId :

E2-BB6-BASE

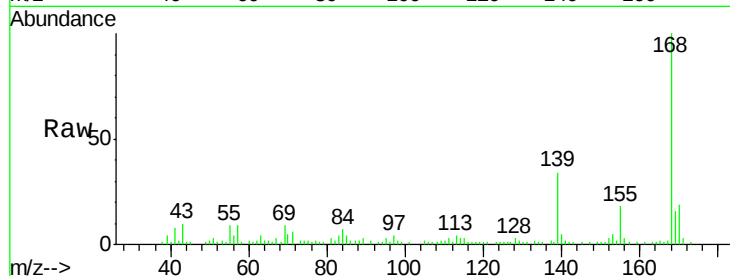
Tgt Ion:168 Resp: 64877

Ion Ratio Lower Upper

168 100

139 33.7 32.6 49.0

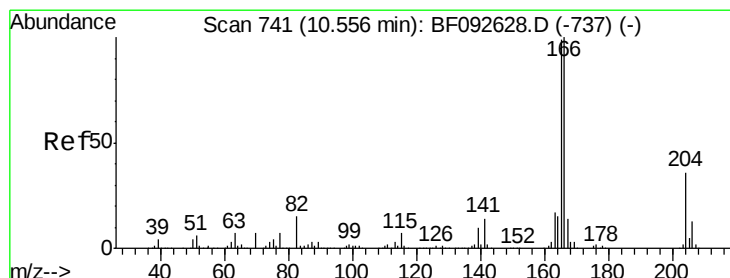
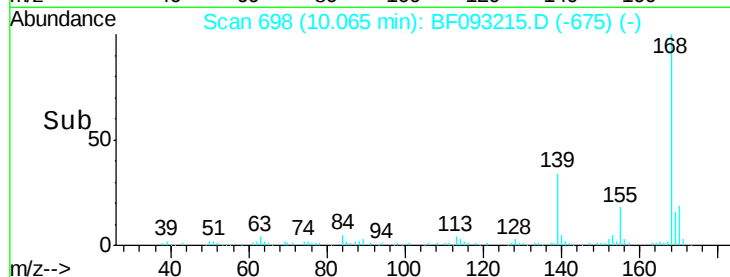
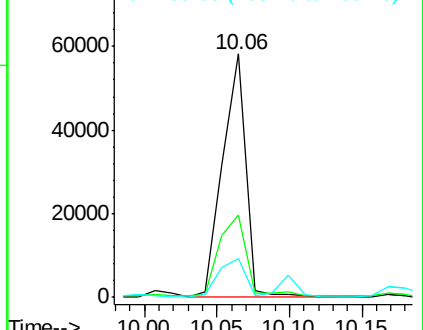
169 16.0 11.3 16.9



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: 3.31 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF093215.D

Acq: 27 Feb 2017 20:12

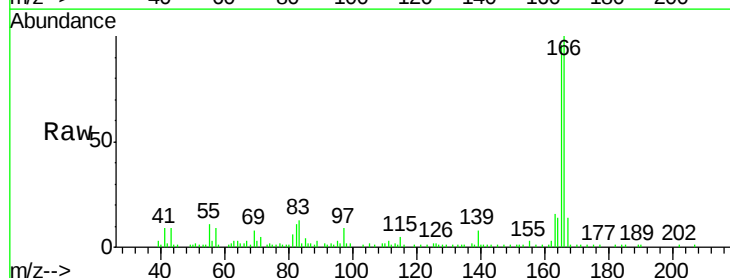
Tgt Ion:166 Resp: 62940

Ion Ratio Lower Upper

166 100

165 95.9 77.8 116.8

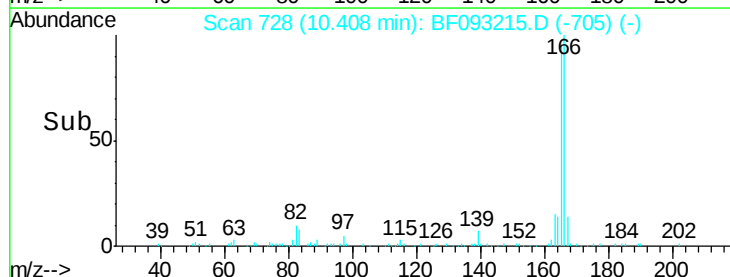
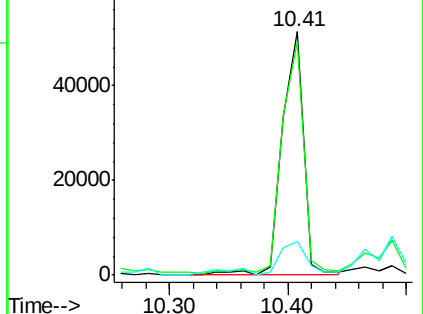
167 13.8 10.8 16.2

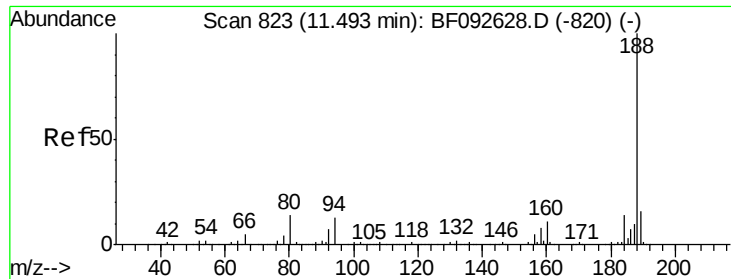


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

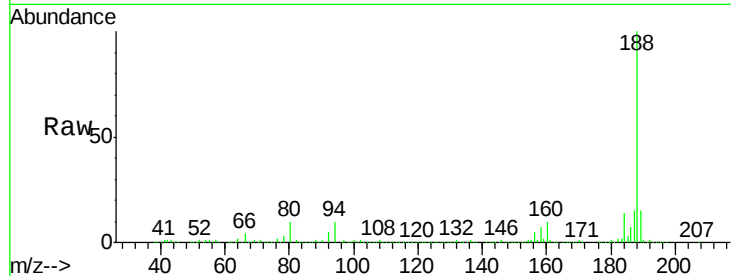




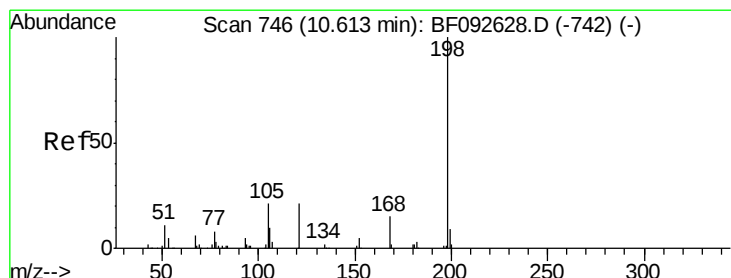
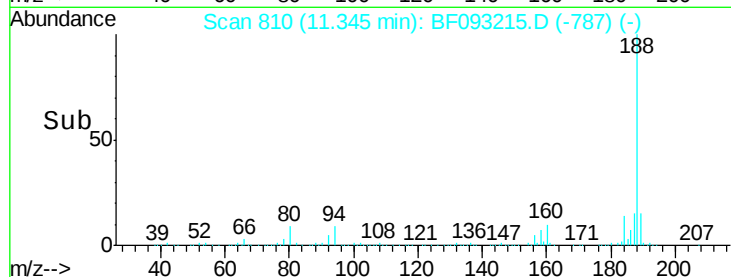
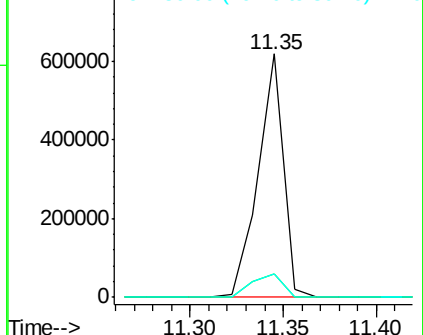
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 810
Delta R.T. -0.03 min
Lab File: BF093215.D
Acq: 27 Feb 2017 20:12

Instrument :
BNA_F
ClientSampleId :
E2-BB6-BASE

Tgt Ion:188 Resp: 588564
Ion Ratio Lower Upper
188 100
94 9.6 10.0 15.0#
80 9.6 11.2 16.8#

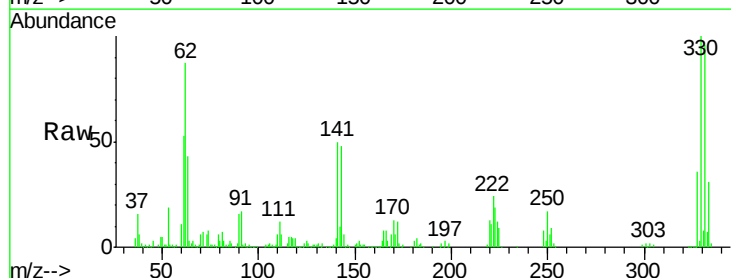


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

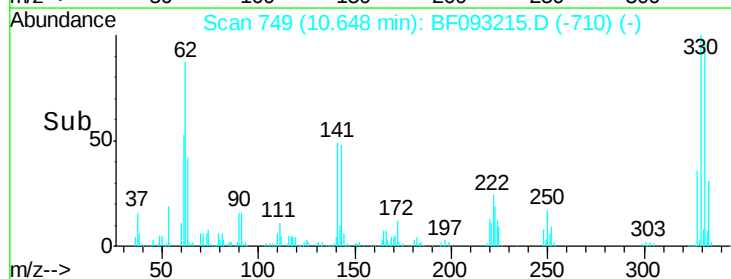
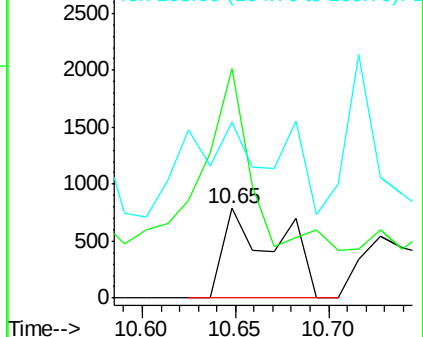


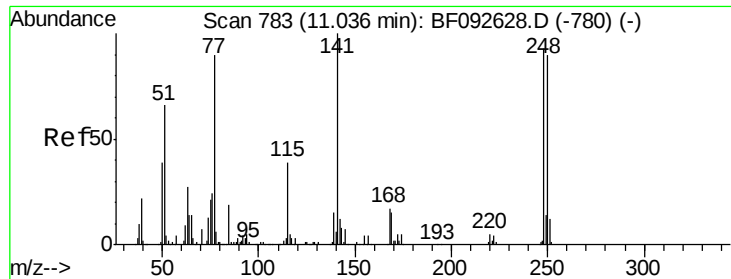
#64
4,6-Dinitro-2-methylphenol
Concen: 3.09 ng
RT: 10.65 min Scan# 749
Delta R.T. 0.15 min
Lab File: BF093215.D
Acq: 27 Feb 2017 20:12

Tgt Ion:198 Resp: 1588
Ion Ratio Lower Upper
198 100
51 254.8 6.7 46.7#
105 194.7 16.6 56.6#



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





#66

4-Bromophenyl-phenylether

Concen: 4.25 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.27 min

Lab File: BF093215.D

Acq: 27 Feb 2017 20:12

Instrument :

BNA_F

ClientSampleId :

E2-BB6-BASE

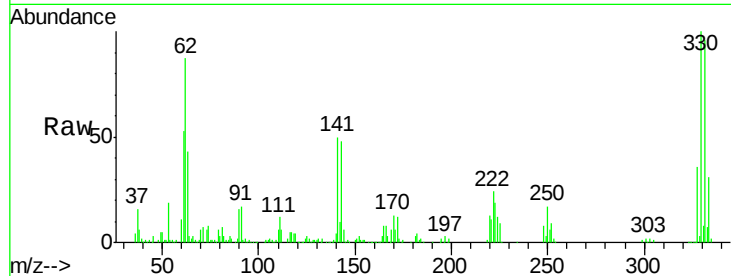
Tgt Ion:248 Resp: 26139

Ion Ratio Lower Upper

248 100

250 204.8 76.9 115.3#

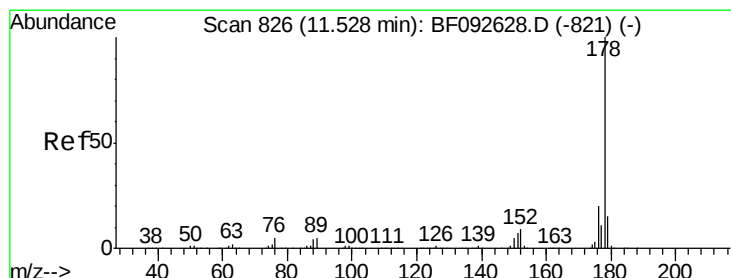
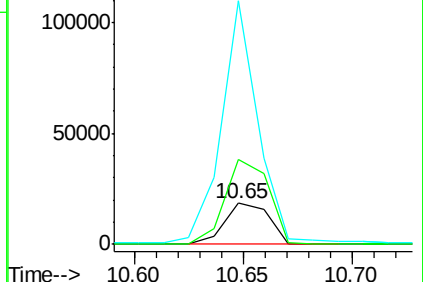
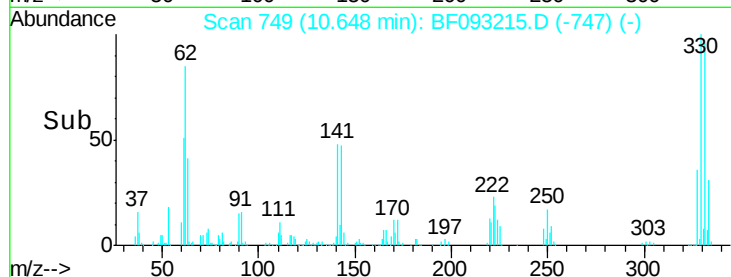
141 591.0 68.2 102.4#



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: 8.14 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.03 min

Lab File: BF093215.D

Acq: 27 Feb 2017 20:12

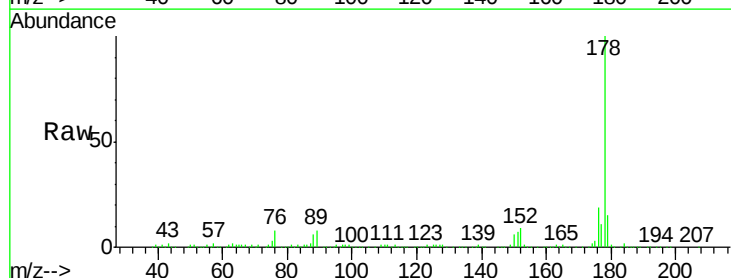
Tgt Ion:178 Resp: 274505

Ion Ratio Lower Upper

178 100

176 19.3 16.6 25.0

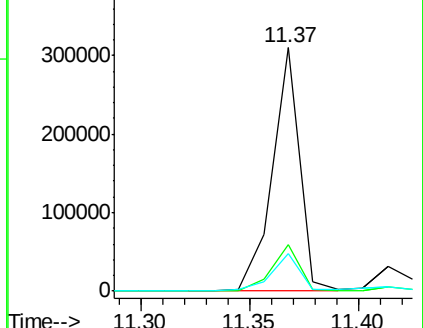
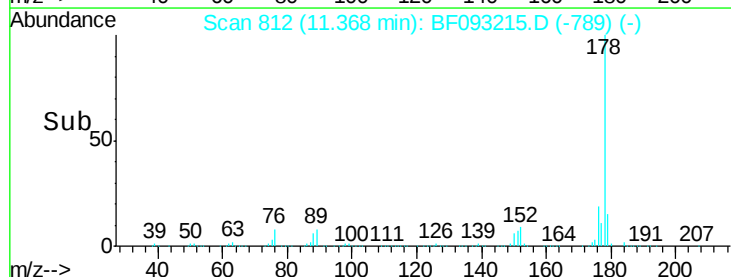
179 15.4 12.8 19.2

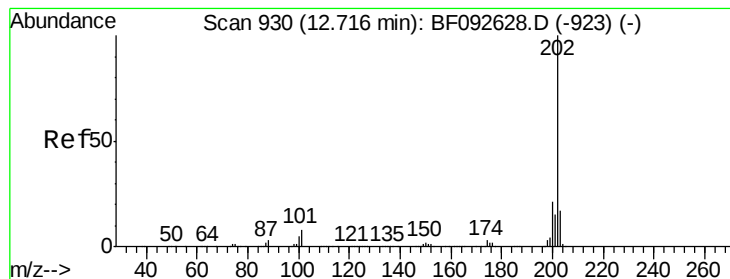


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.99 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.03 min

Lab File: BF093215.D

Acq: 27 Feb 2017 20:12

Instrument :

BNA_F

ClientSampleId :

E2-BB6-BASE

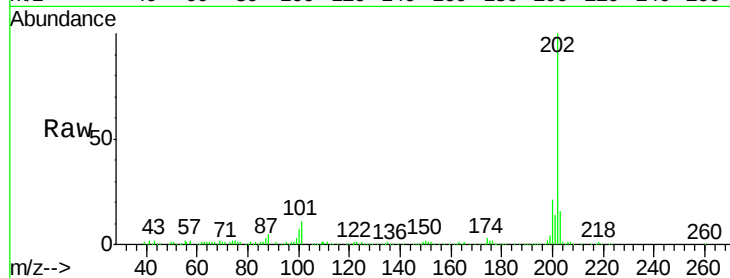
Tgt Ion:202 Resp: 173698

Ion Ratio Lower Upper

202 100

101 10.5 0.0 34.6

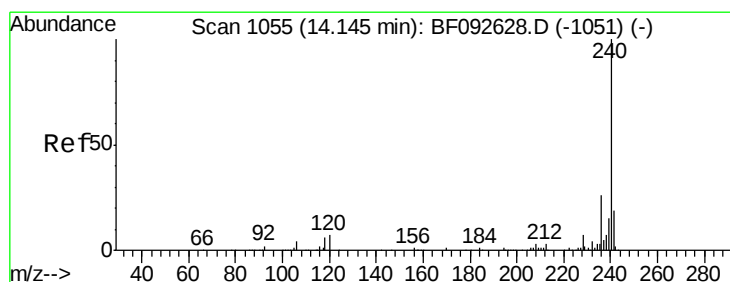
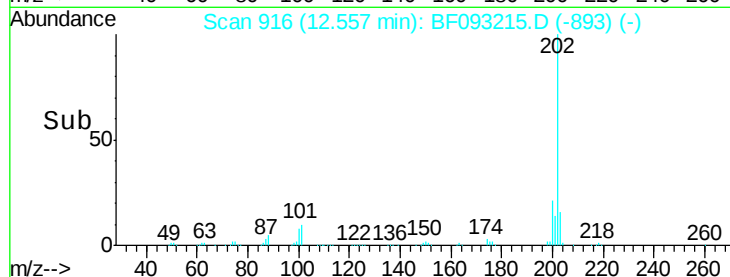
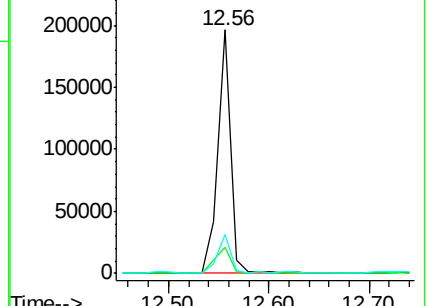
203 16.1 0.0 38.7



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: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF093215.D

Acq: 27 Feb 2017 20:12

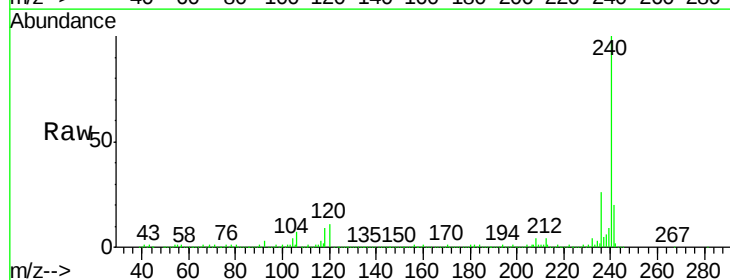
Tgt Ion:240 Resp: 516525

Ion Ratio Lower Upper

240 100

120 11.0 12.9 19.3#

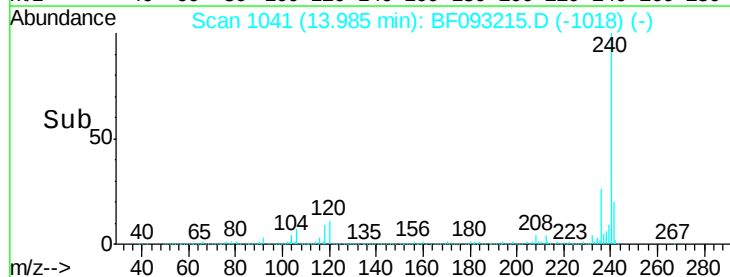
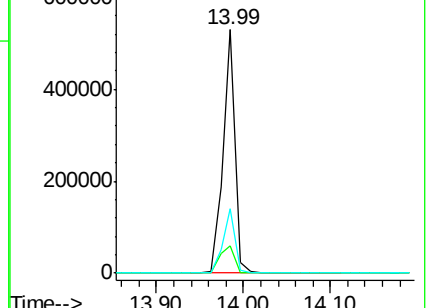
236 26.4 20.9 31.3

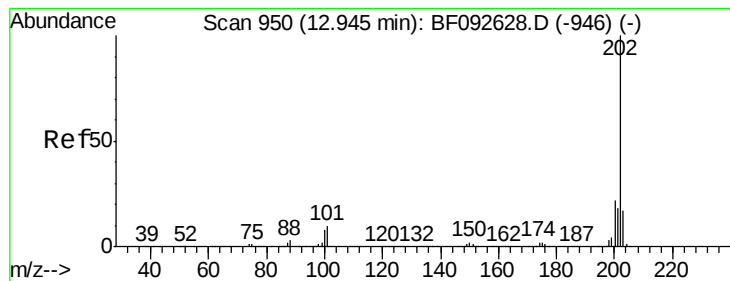


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.67 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF093215.D

Acq: 27 Feb 2017 20:12

Instrument :

BNA_F

ClientSampleId :

E2-BB6-BASE

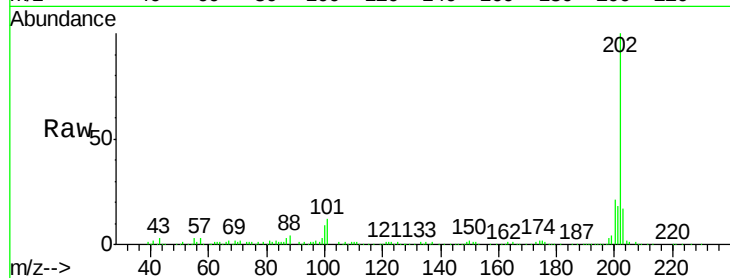
Tgt Ion:202 Resp: 142044

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

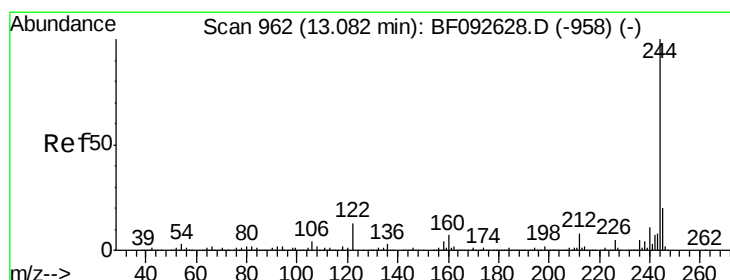
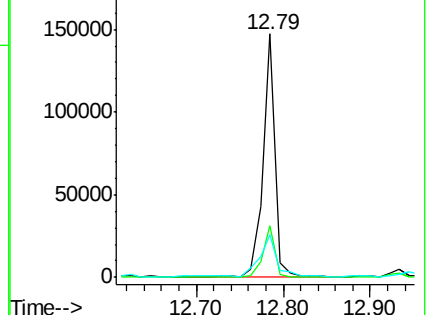
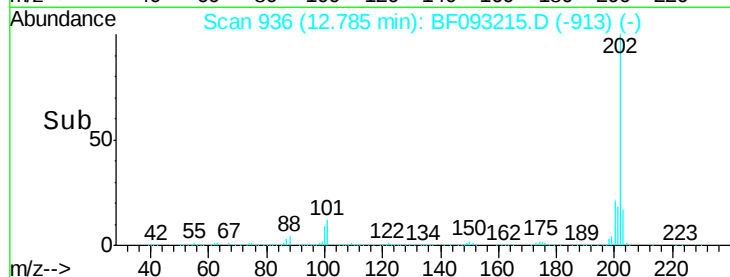
203 17.4 14.7 22.1



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: 67.11 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.03 min

Lab File: BF093215.D

Acq: 27 Feb 2017 20:12

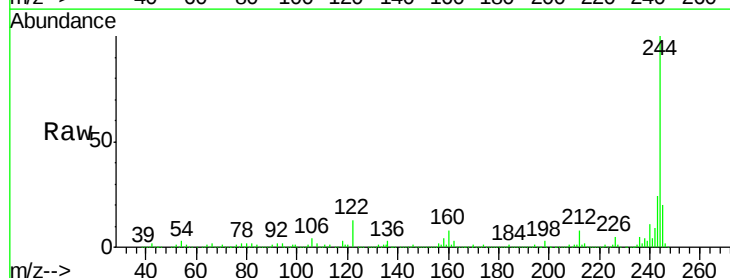
Tgt Ion:244 Resp: 1475364

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

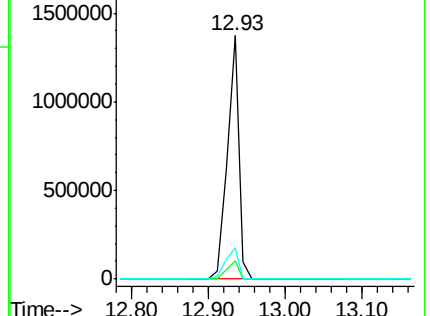
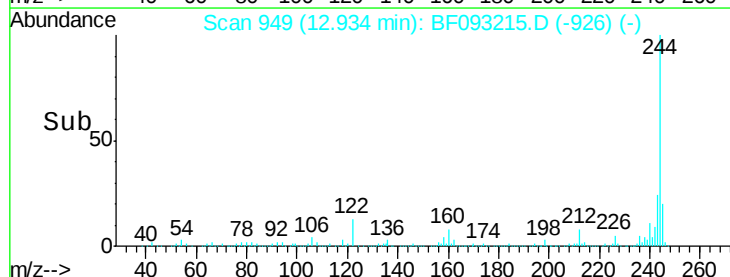
122 12.6 11.4 17.2

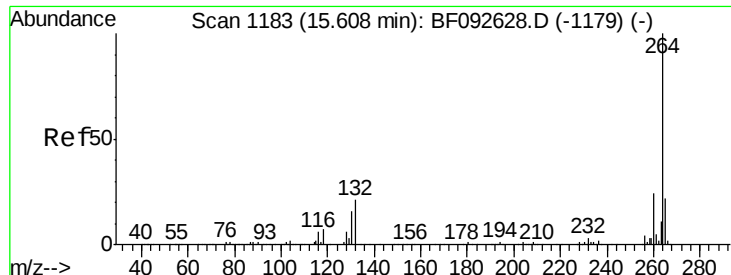


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093215.D
Acq: 27 Feb 2017 20:12

Instrument :
BNA_F
ClientSampleId :
E2-BB6-BASE

Tgt Ion: 264 Resp: 383415
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 22.0 17.4 26.0

