

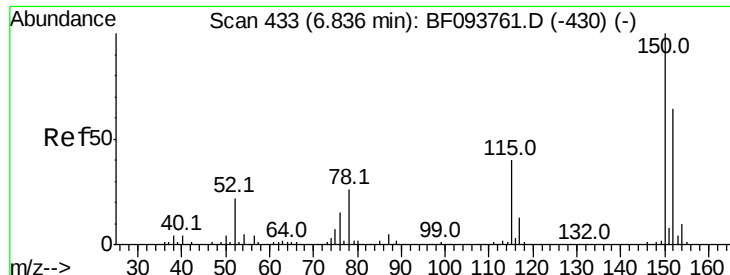
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
 Data File : BF093771.D
 Acq On : 20 Mar 2017 18:30
 Operator : SJ/MA
 Sample : I2271-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BHP-2

Quant Time: Mar 21 01:04:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 16:03:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	258170	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	958339	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	440544	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	744695	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	441460	20.00	ng	-0.03
86) Perylene-d12	15.37	264	390355	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1436908	97.33	ng	0.00
7) Phenol-d6	6.47	99	1797470	98.53	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1021633	60.47	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	281678	82.55	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	1843499	70.37	ng	-0.01
78) Terphenyl-d14	12.93	244	1214277	56.08	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.61	77	31724	2.46	ng	Qvalue 82
10) Phenol	6.48	94	138060	6.73	ng	80
19) n-Nitroso-di-n-propylamine	7.40	70	137448	11.50	ng	# 79
25) Isophorone	7.40	82	1006182	33.62	ng	# 67
49) Dimethylphthalate	9.59	163	216506	6.91	ng	99
56) 2,4-Dinitrotoluene	9.86	165	56395	6.45	ng	# 33
66) 4-Bromophenyl-phenylether	10.65	248	19707	2.75	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF093771.D

Acq: 20 Mar 2017 18:30

Instrument :

BNA_F

ClientSampleId :

BHP-2

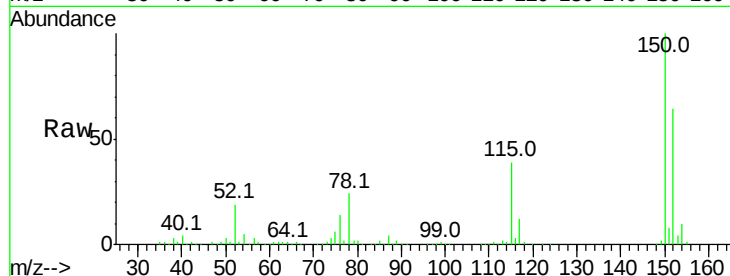
Tot Ion:152 Resp: 258170

Ion Ratio Lower Upper

152 100

150 155.2 126.2 189.2

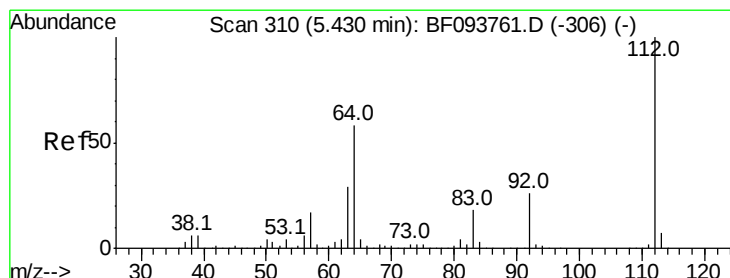
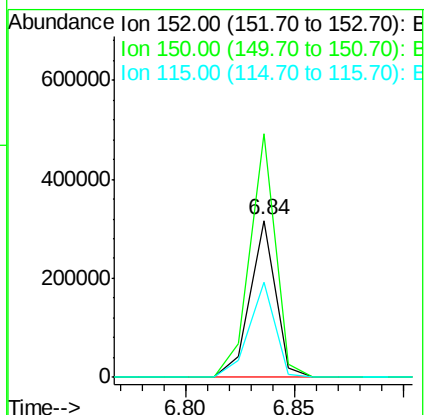
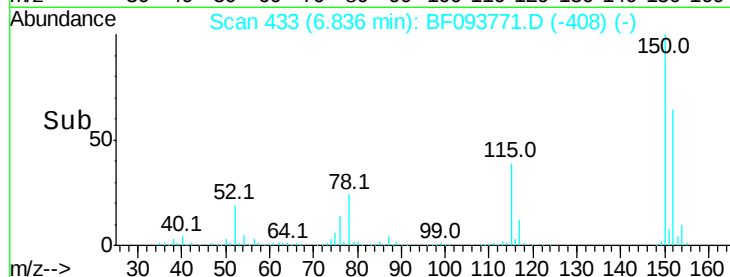
115 60.9 52.2 78.2



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: 97.33 ng

RT: 5.44 min Scan# 311

Delta R.T. 0.00 min

Lab File: BF093771.D

Acq: 20 Mar 2017 18:30

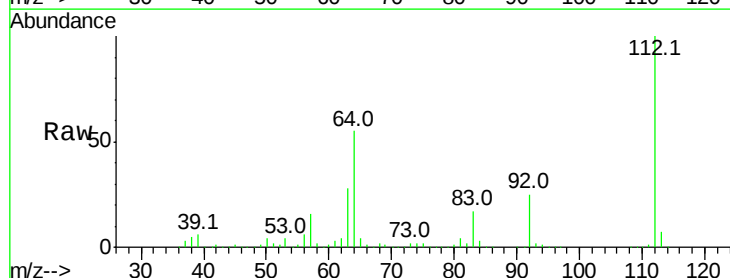
Tgt Ion:112 Resp: 1436908

Ion Ratio Lower Upper

112 100

64 54.8 46.0 69.0

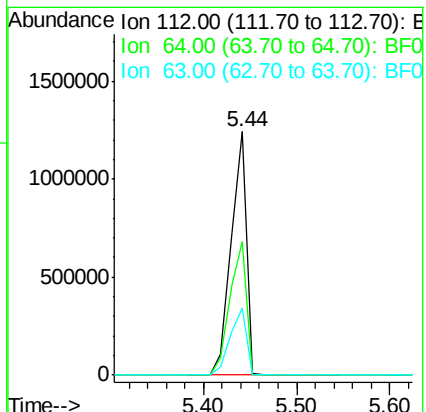
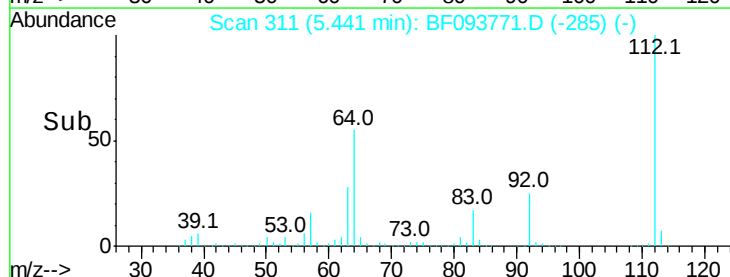
63 27.7 23.4 35.0

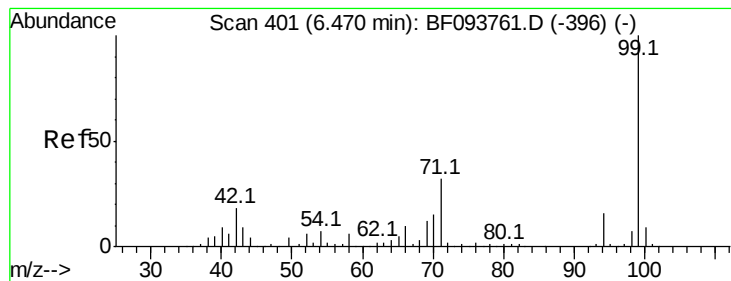


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.53 ng

RT: 6.47 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF093771.D

Acq: 20 Mar 2017 18:30

Instrument :

BNA_F

ClientSampleId :

BHP-2

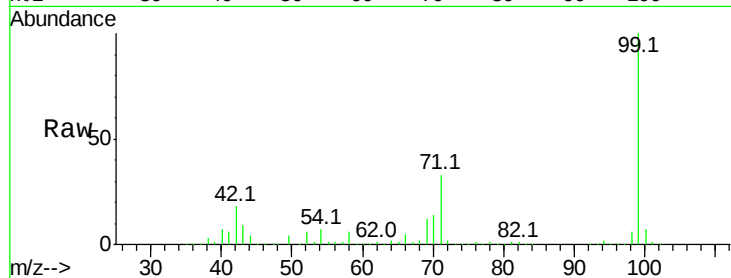
Tot Ion: 99 Resp: 1797470

Ion Ratio Lower Upper

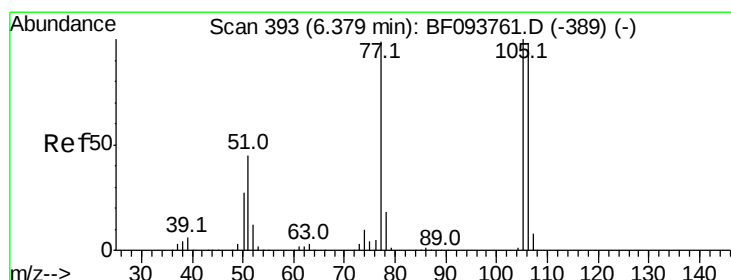
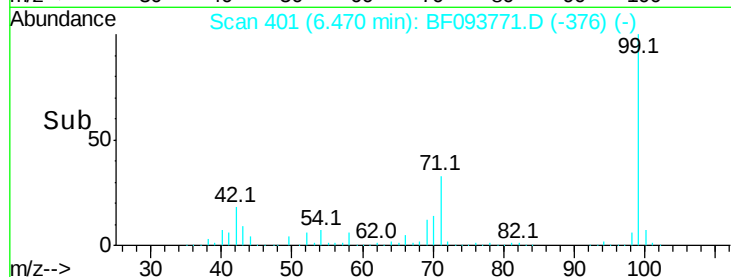
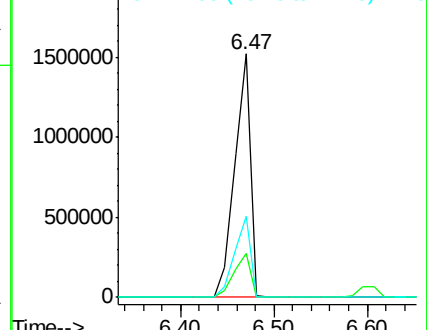
99 100

42 18.0 13.5 20.3

71 33.3 24.5 36.7



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: 2.46 ng

RT: 6.61 min Scan# 413

Delta R.T. 0.22 min

Lab File: BF093771.D

Acq: 20 Mar 2017 18:30

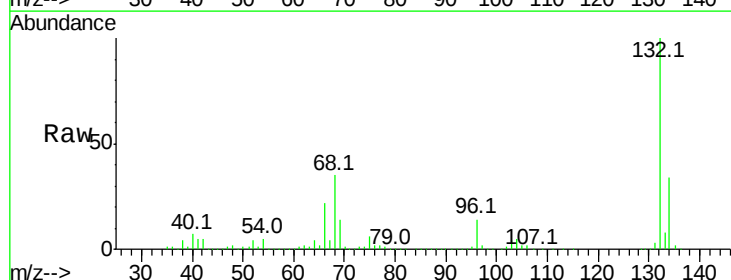
Tgt Ion: 77 Resp: 31724

Ion Ratio Lower Upper

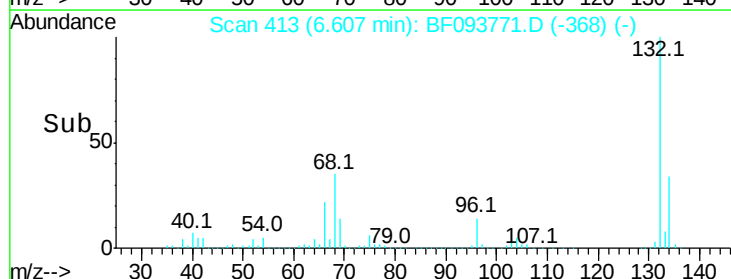
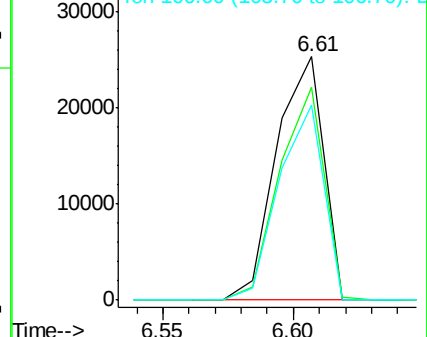
77 100

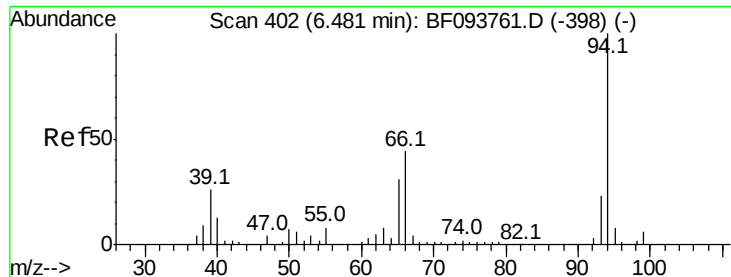
105 87.5 83.8 123.8

106 79.9 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 6.73 ng

RT: 6.48 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF093771.D

Acq: 20 Mar 2017 18:30

Instrument :

BNA_F

ClientSampleId :

BHP-2

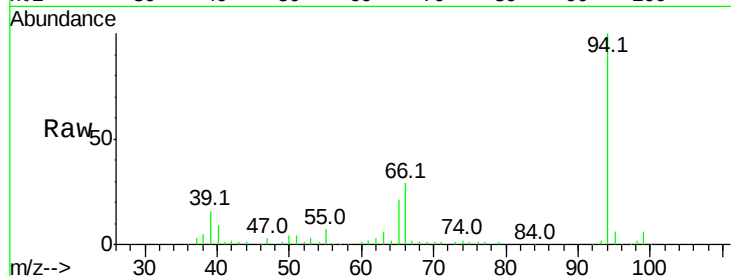
Tot Ion: 94 Resp: 138060

Ion Ratio Lower Upper

94 100

65 21.1 9.9 49.9

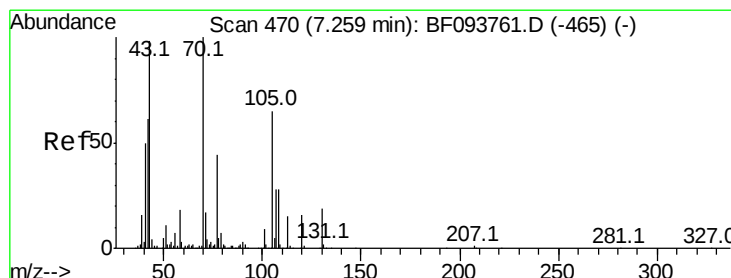
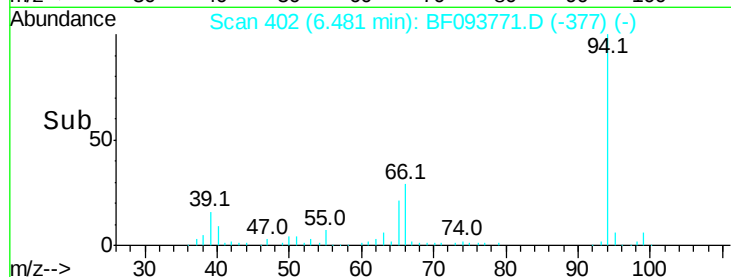
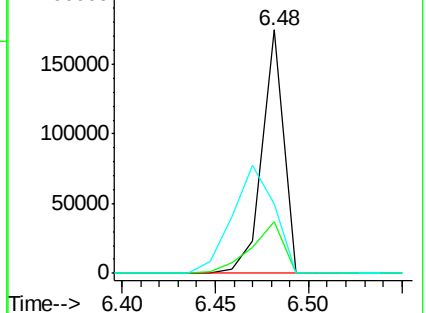
66 28.7 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 11.50 ng

RT: 7.40 min Scan# 482

Delta R.T. 0.13 min

Lab File: BF093771.D

Acq: 20 Mar 2017 18:30

Tgt Ion: 70 Resp: 137448

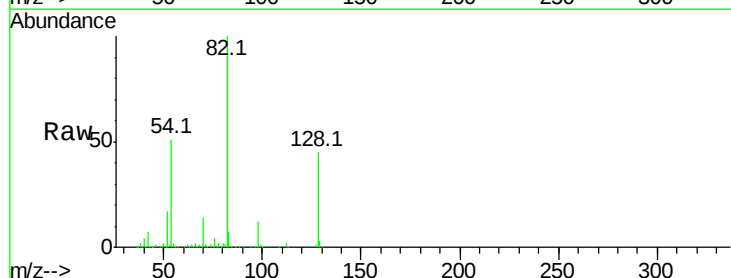
Ion Ratio Lower Upper

70 100

42 48.6 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

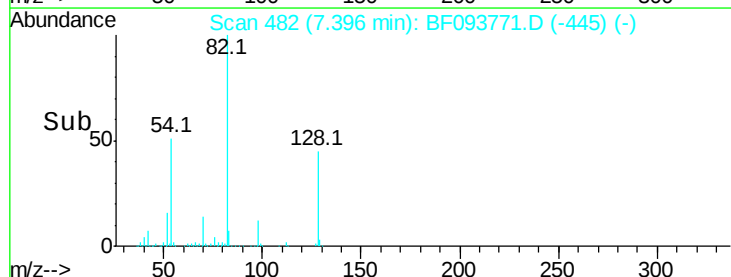
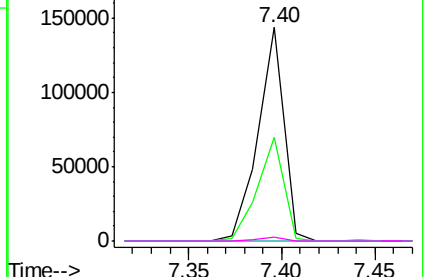


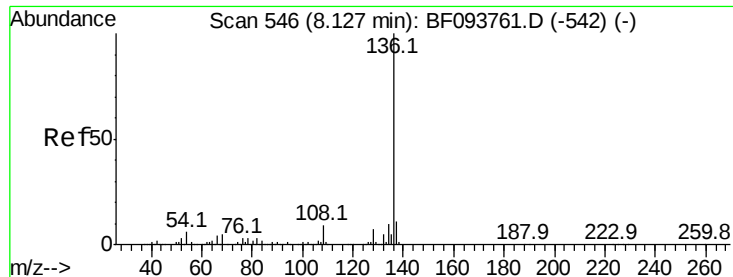
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 545

Delta R.T. -0.02 min

Lab File: BF093771.D

Acq: 20 Mar 2017 18:30

Instrument :

BNA_F

ClientSampleId :

BHP-2

Tot Ion:136 Resp: 958339

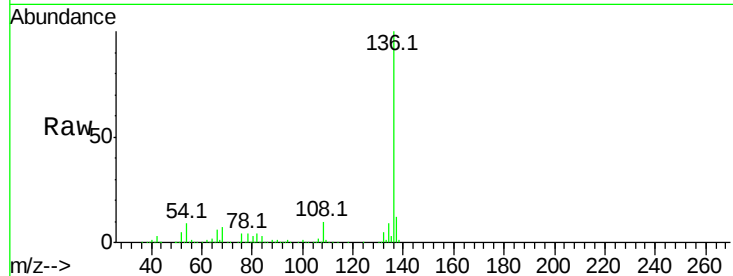
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 9.2 4.9 7.3#

68 7.4 4.1 6.1#

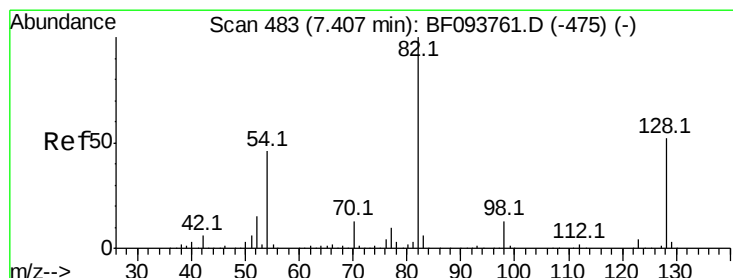
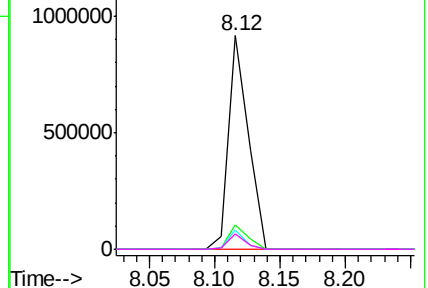
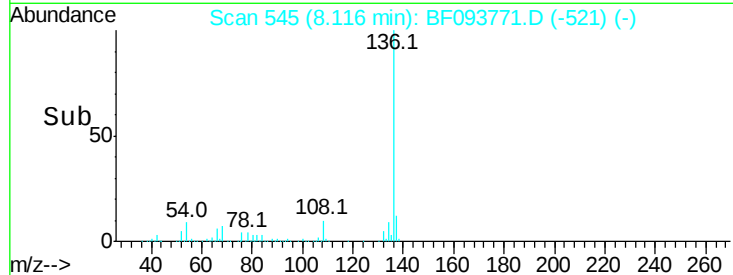


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 60.47 ng

RT: 7.40 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF093771.D

Acq: 20 Mar 2017 18:30

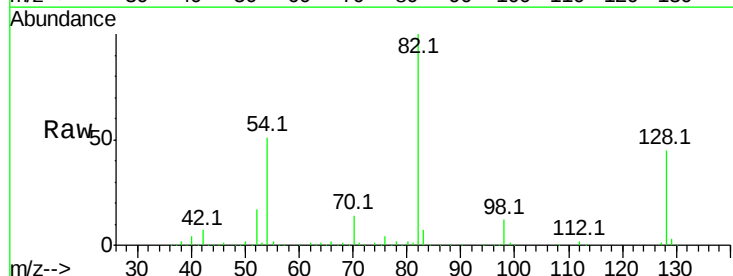
Tgt Ion: 82 Resp: 1021633

Ion Ratio Lower Upper

82 100

128 45.2 34.0 51.0

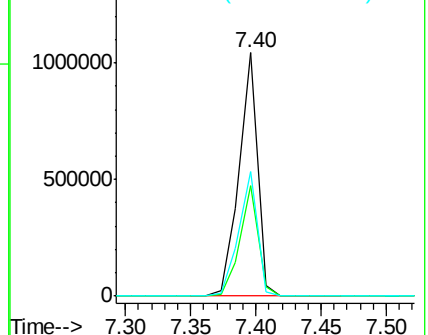
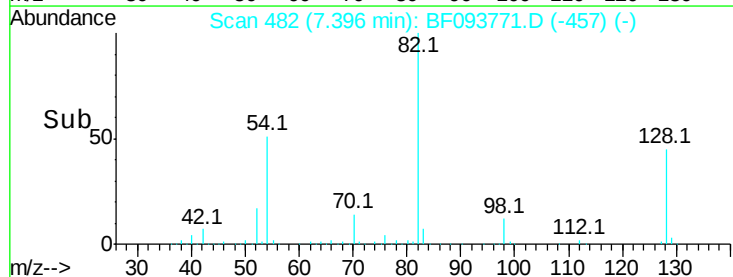
54 51.3 42.2 63.2

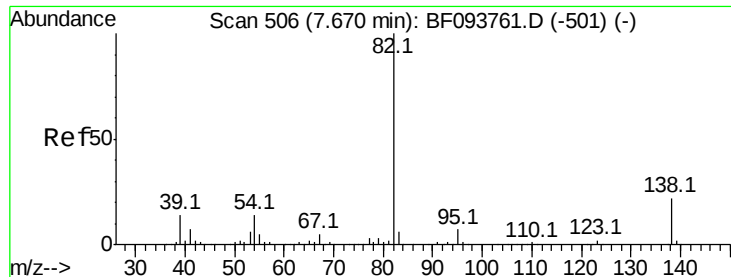


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.62 ng

RT: 7.40 min Scan# 482

Delta R.T. -0.27 min

Lab File: BF093771.D

Acq: 20 Mar 2017 18:30

Instrument :

BNA_F

ClientSampleId :

BHP-2

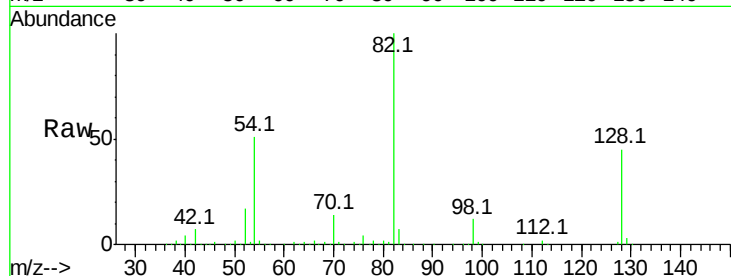
Tot Ion: 82 Resp: 1006182

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

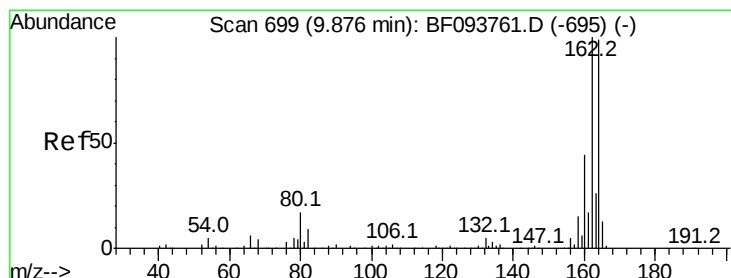
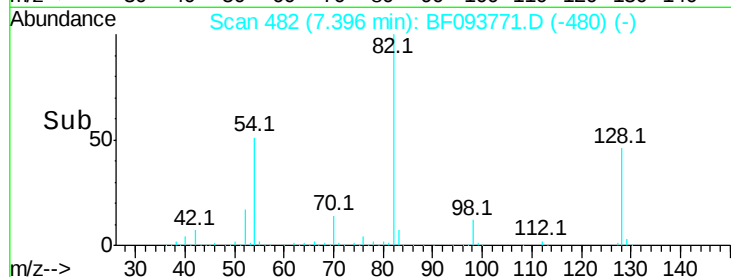
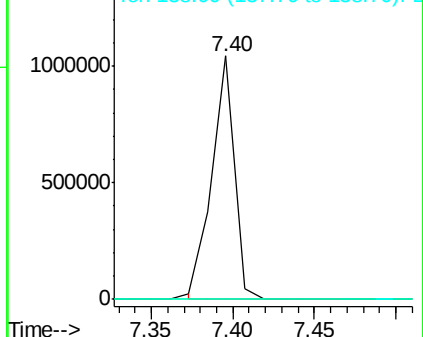
138 0.0 13.1 19.7#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF093771.D

Acq: 20 Mar 2017 18:30

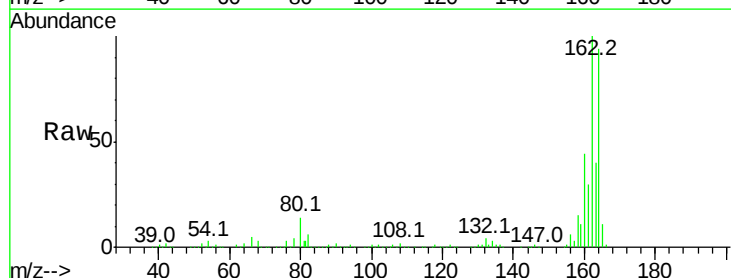
Tgt Ion:164 Resp: 440544

Ion Ratio Lower Upper

164 100

162 106.6 82.6 123.8

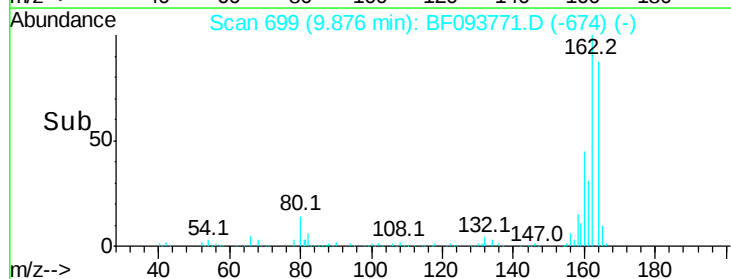
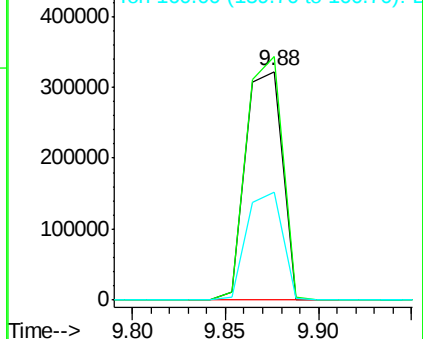
160 47.0 36.2 54.2

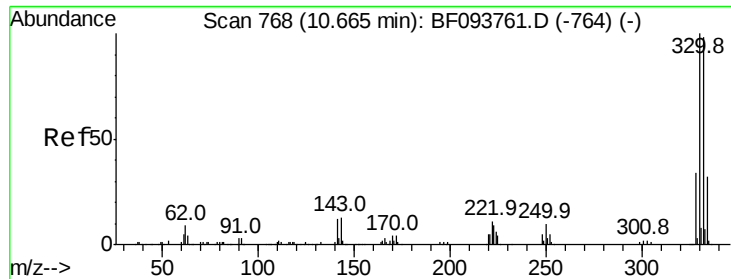


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

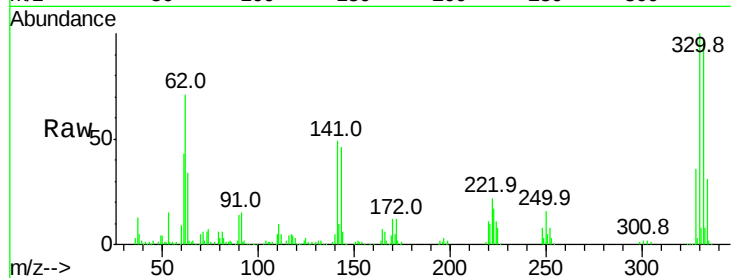




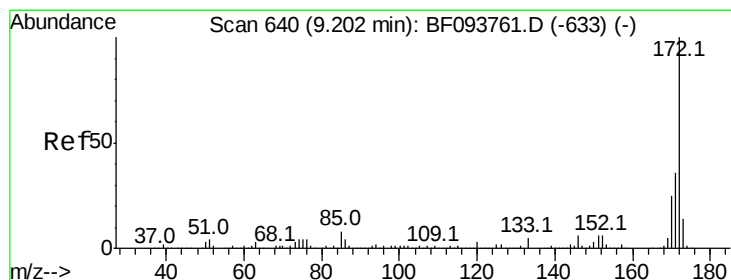
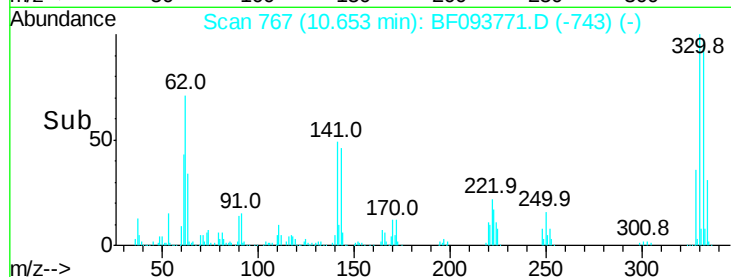
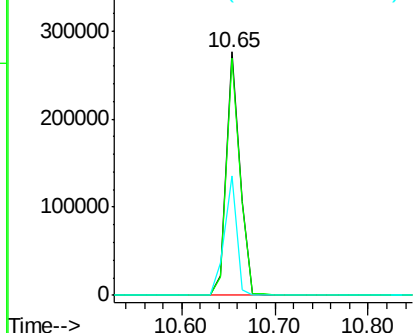
#41
 2,4,6-Tribromophenol
 Concen: 82.55 ng
 RT: 10.65 min Scan# 767
 Delta R.T. -0.02 min
 Lab File: BF093771.D
 Acq: 20 Mar 2017 18:30

Instrument :
 BNA_F
 ClientSampleId :
 BHP-2

Tot Ion:330 Resp: 281678
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 115.0
 141 44.1 31.4 47.2

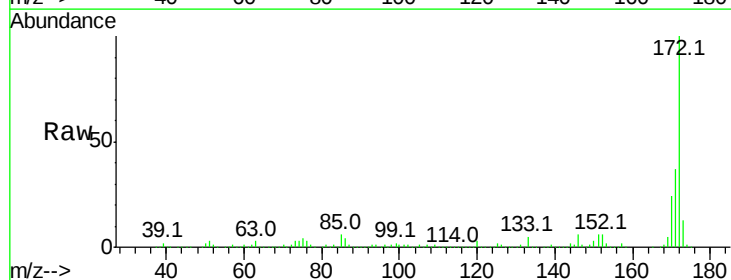


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

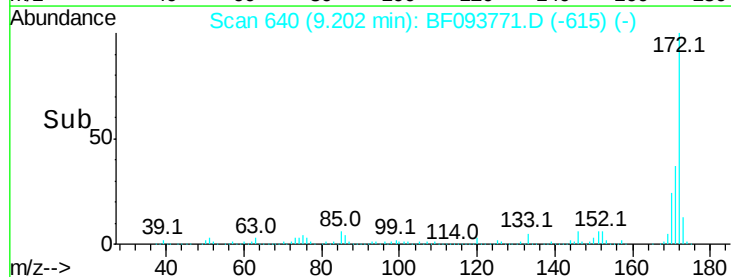
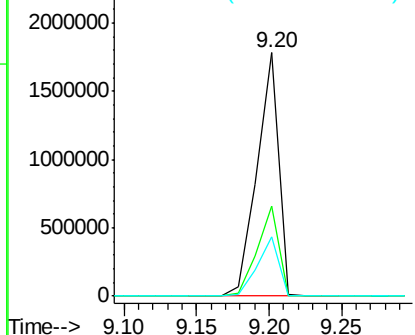


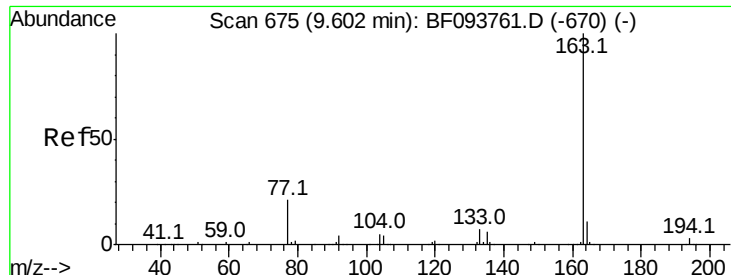
#44
 2-Fluorobiphenyl
 Concen: 70.37 ng
 RT: 9.20 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: BF093771.D
 Acq: 20 Mar 2017 18:30

Tgt Ion:172 Resp: 1843499
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.6 44.4
 170 24.4 19.8 29.8



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: 6.91 ng

RT: 9.59 min Scan# 674

Delta R.T. -0.02 min

Lab File: BF093771.D

Acq: 20 Mar 2017 18:30

Instrument :

BNA_F

ClientSampleId :

BHP-2

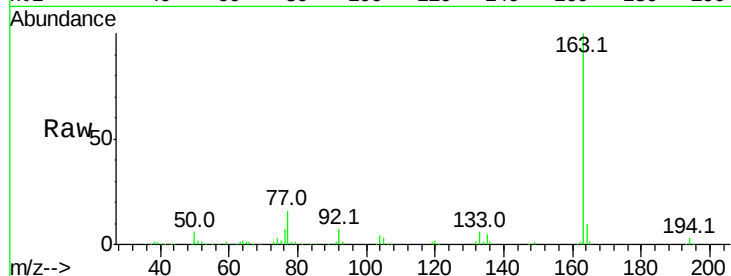
Tot Ion:163 Resp: 216506

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

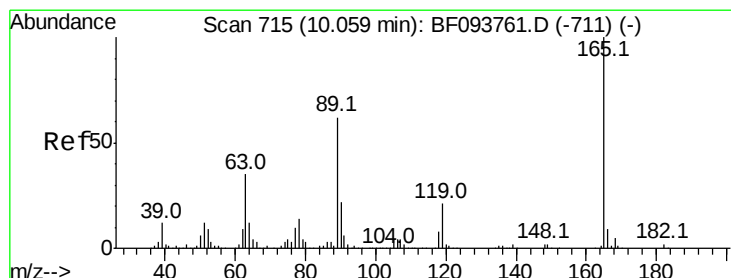
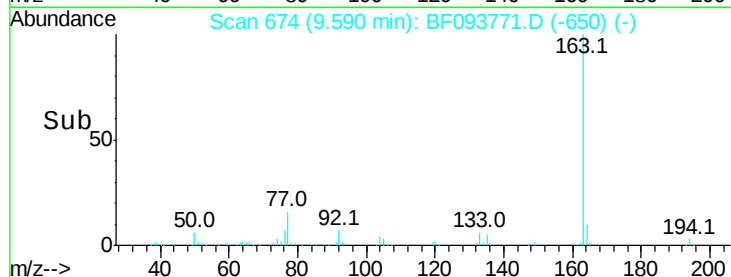
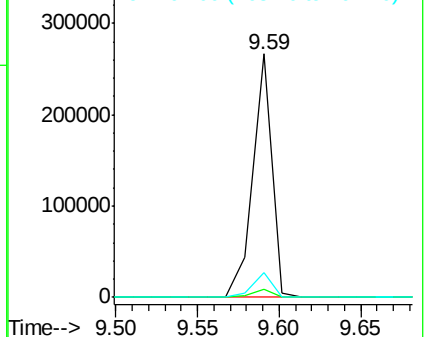
164 10.0 8.4 12.6



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: 6.45 ng

RT: 9.86 min Scan# 698

Delta R.T. -0.21 min

Lab File: BF093771.D

Acq: 20 Mar 2017 18:30

Tgt Ion:165 Resp: 56395

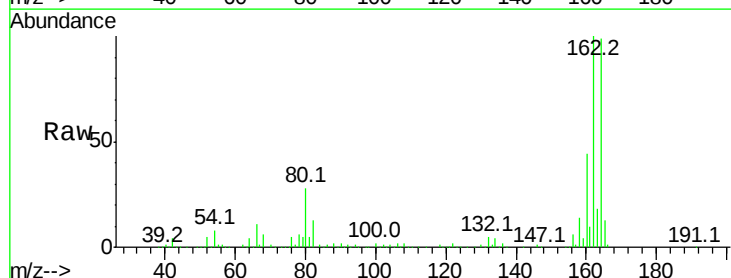
Ion Ratio Lower Upper

165 100

63 1.1 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

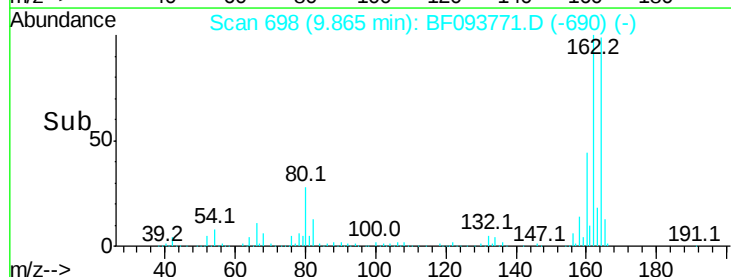
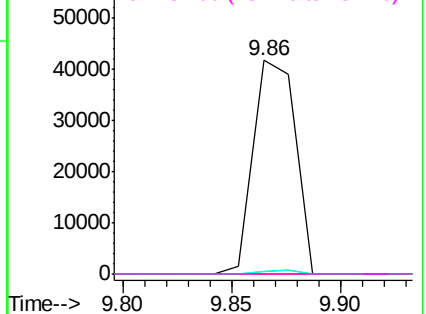


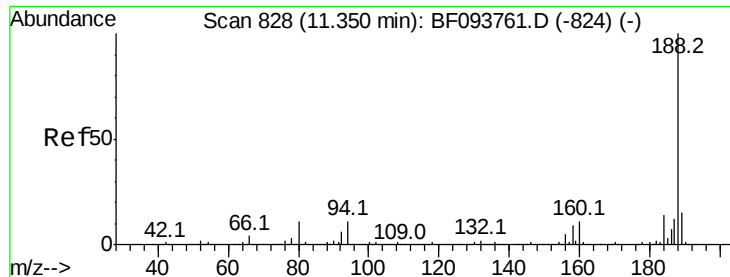
Abundance Ion 165.00 (164.70 to 165.70): E

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

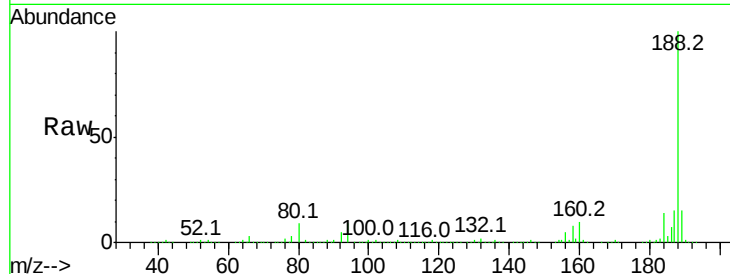




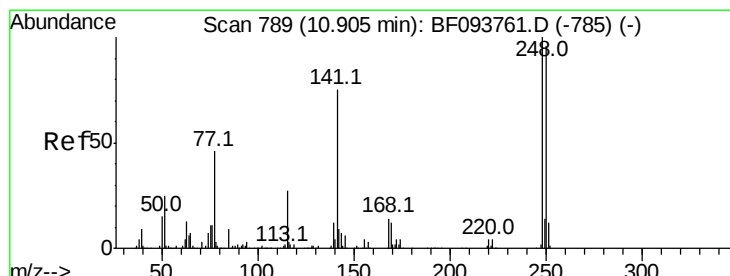
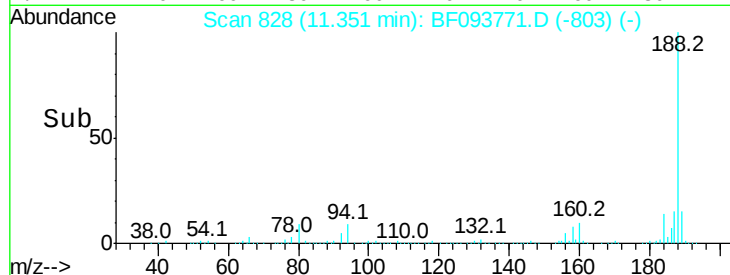
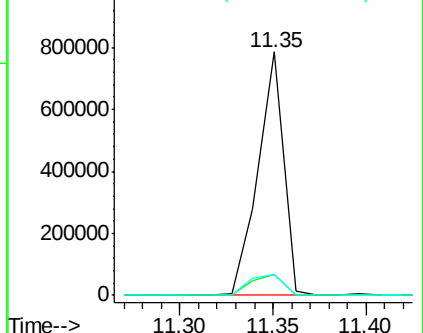
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF093771.D
Acq: 20 Mar 2017 18:30

Instrument :
BNA_F
ClientSampleId :
BHP-2

Tot Ion:188 Resp: 744695
Ion Ratio Lower Upper
188 100
94 8.7 9.4 14.2#
80 8.8 10.2 15.2#

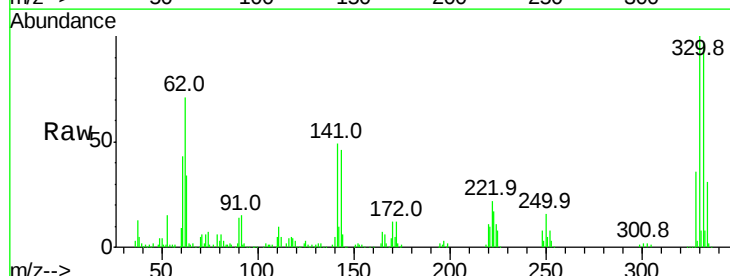


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

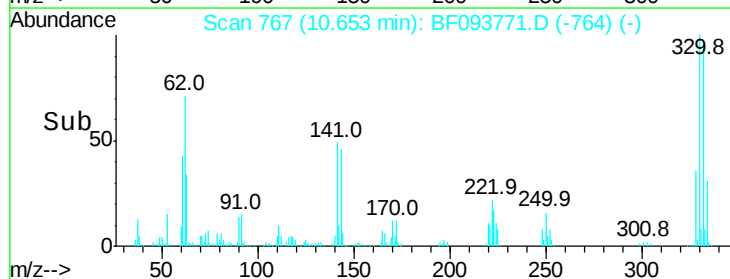
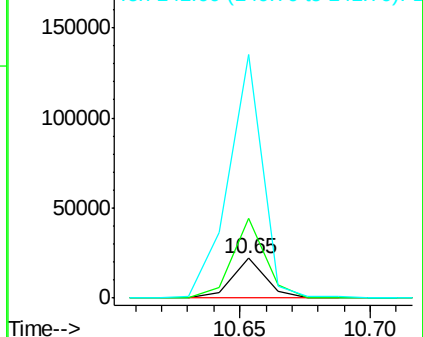


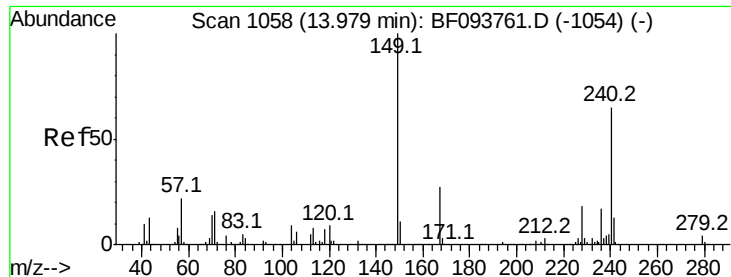
#66
4-Bromophenyl-phenylether
Concen: 2.75 ng
RT: 10.65 min Scan# 767
Delta R.T. -0.26 min
Lab File: BF093771.D
Acq: 20 Mar 2017 18:30

Tgt Ion:248 Resp: 19707
Ion Ratio Lower Upper
248 100
250 202.2 76.8 115.2#
141 616.8 68.6 103.0#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1057

Delta R.T. -0.03 min

Lab File: BF093771.D

Acq: 20 Mar 2017 18:30

Instrument :

BNA_F

ClientSampleId :

BHP-2

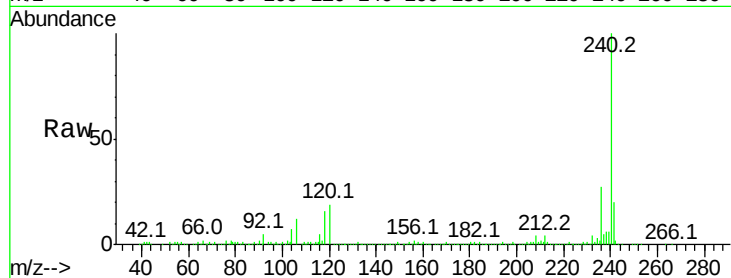
Tot Ion:240 Resp: 441460

Ion Ratio Lower Upper

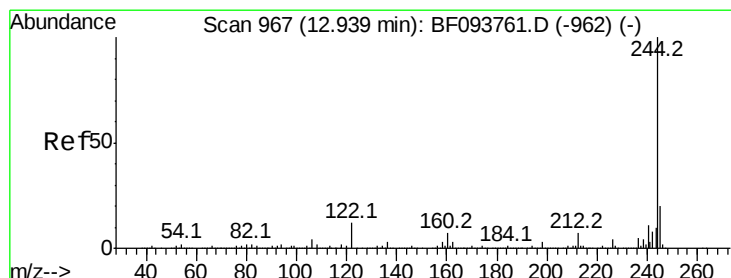
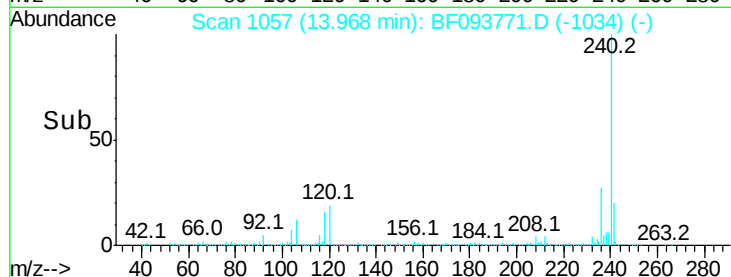
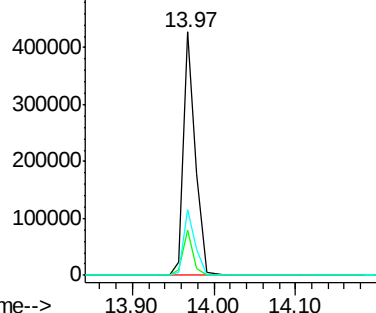
240 100

120 18.6 5.8 8.8#

236 26.8 20.5 30.7



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: 56.08 ng

RT: 12.93 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF093771.D

Acq: 20 Mar 2017 18:30

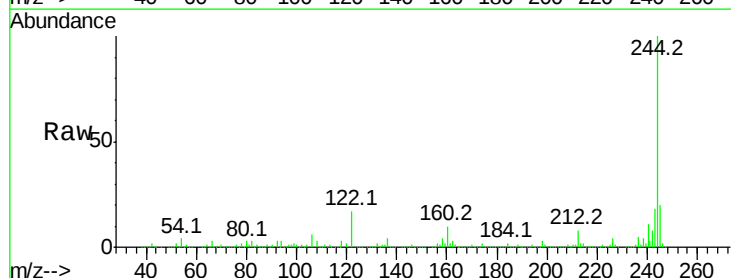
Tgt Ion:244 Resp: 1214277

Ion Ratio Lower Upper

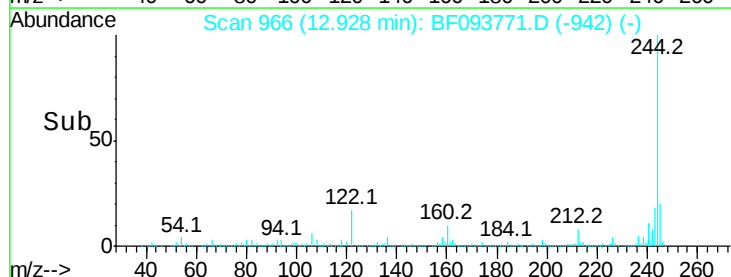
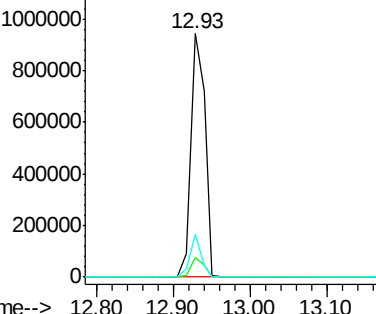
244 100

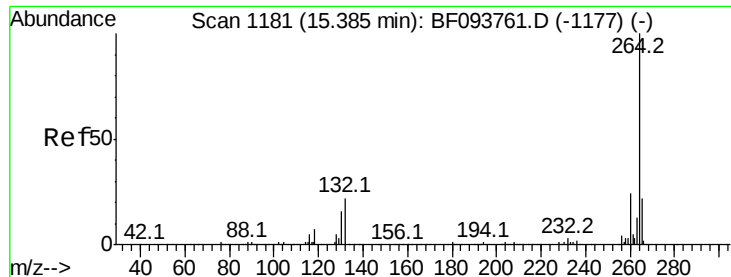
212 7.8 6.0 9.0

122 17.3 10.3 15.5#



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

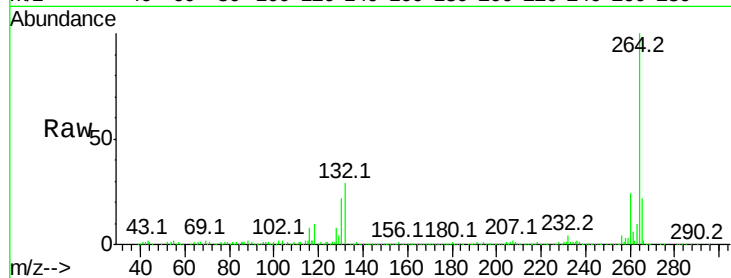




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1180
Delta R.T. -0.03 min
Lab File: BF093771.D
Acq: 20 Mar 2017 18:30

Instrument :
BNA_F
ClientSampleId :
BHP-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.7	17.2	25.8



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

