

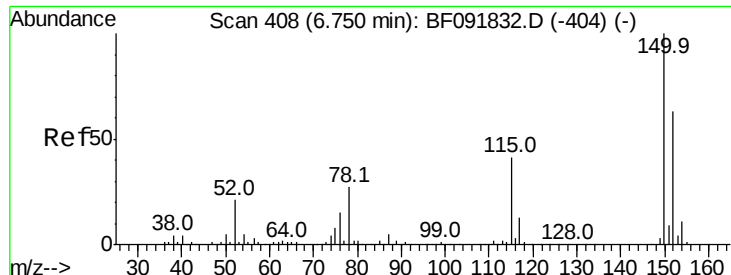
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011217\
 Data File : BF092206.D
 Acq On : 12 Jan 2017 14:20
 Operator : UM/SJ
 Sample : I1029-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 12 16:07:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	200587	20.00	ng	-0.05
21) Naphthalene-d8	7.88	136	829152	20.00	ng	-0.06
38) Acenaphthene-d10	9.62	164	365623	20.00	ng	-0.06
63) Phenanthrene-d10	11.11	188	604770	20.00	ng	-0.05
75) Chrysene-d12	13.73	240	449775	20.00	ng	-0.06
86) Perylene-d12	15.09	264	335493	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1838347	153.03	ng	-0.03
7) Phenol-d6	6.26	99	2103401	143.41	ng	-0.05
23) Nitrobenzene-d5	7.17	82	1416024	94.96	ng	-0.05
41) 2,4,6-Tribromophenol	10.42	330	449076	148.42	ng	-0.05
44) 2-Fluorobiphenyl	8.96	172	2107161	124.00	ng	-0.05
78) Terphenyl-d14	12.70	244	1932543	104.21	ng	-0.05
Target Compounds						
10) Phenol	6.28	94	148478	8.88	ng	78
15) Benzyl Alcohol	6.74	79	24602	2.16	ng	# 45
19) n-Nitroso-di-n-propylamine	7.17	70	189928	19.46	ng	# 76
25) Isophorone	7.17	82	1394597	50.69	ng	# 65
37) 2-Methylnaphthalene	8.60	142	334	Below Cal	#	65
49) Dimethylphthalate	9.36	163	264360	11.30	ng	99
56) 2,4-Dinitrotoluene	9.62	165	46874	7.30	ng	# 20
66) 4-Bromophenyl-phenylether	10.42	248	30221	4.80	ng	# 1
71) Anthracene	11.13	178	4024	Below Cal		95
73) Di-n-butylphthalate	11.68	149	7096	Below Cal		99
74) Fluoranthene	12.31	202	9433	Below Cal		97

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

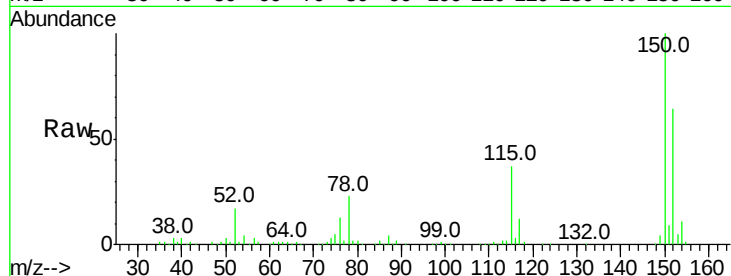


#1

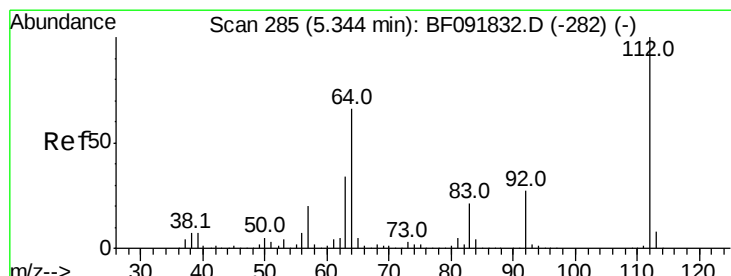
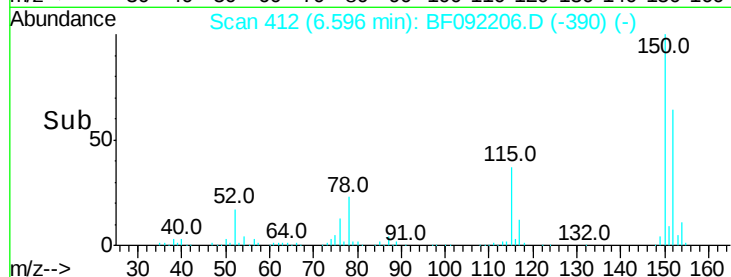
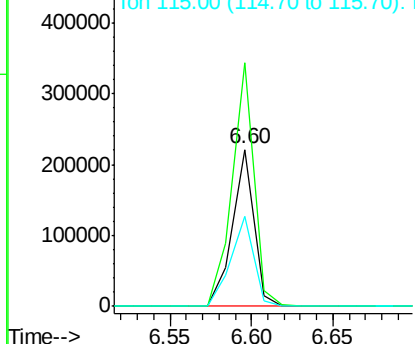
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.60 min Scan# 412
 Delta R.T. -0.05 min
 Lab File: BF092206.D
 Acq: 12 Jan 2017 14:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 200587
 Ion Ratio Lower Upper
 152 100
 150 155.1 124.9 187.3
 115 57.5 46.0 69.0



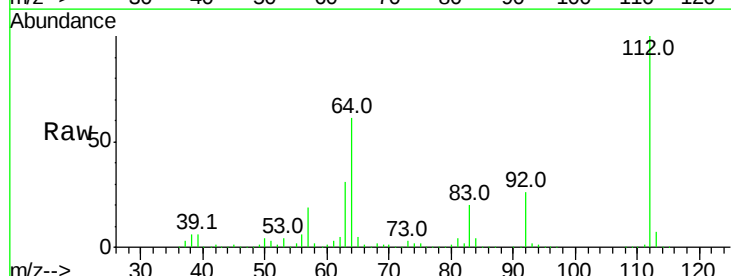
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



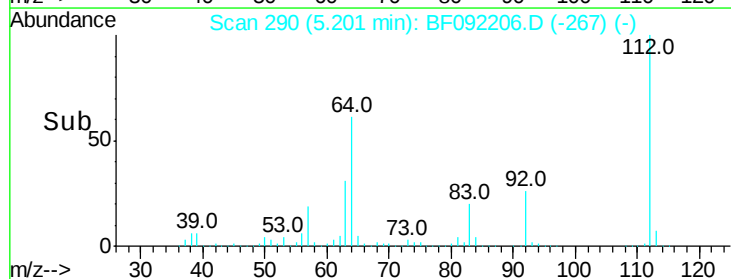
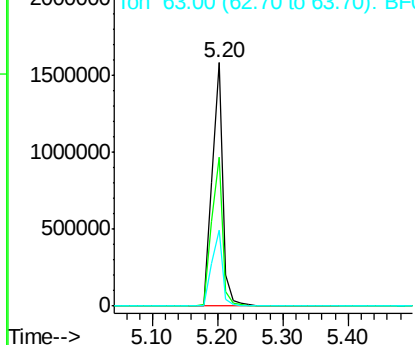
#5

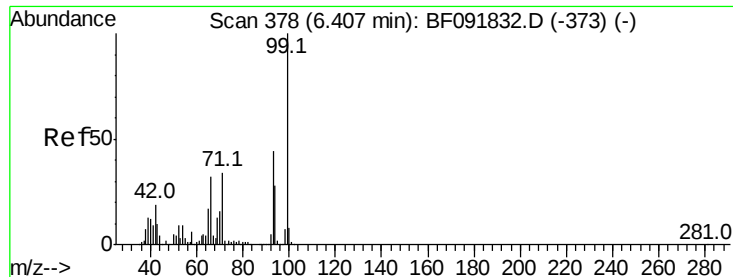
2-Fluorophenol
 Concen: 153.03 ng
 RT: 5.20 min Scan# 290
 Delta R.T. -0.03 min
 Lab File: BF092206.D
 Acq: 12 Jan 2017 14:20

Tgt Ion:112 Resp: 1838347
 Ion Ratio Lower Upper
 112 100
 64 61.3 46.1 69.1
 63 31.3 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.41 ng

RT: 6.26 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF092206.D

Acq: 12 Jan 2017 14:20

Instrument :

BNA_F

ClientSampleId :

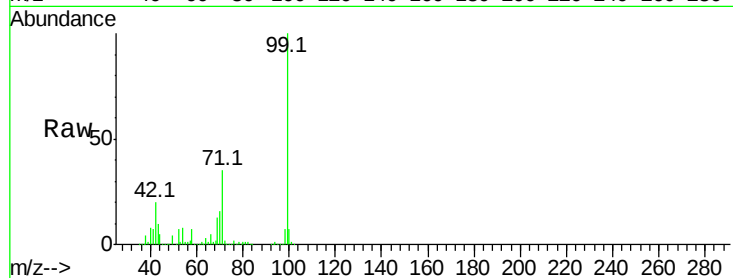
Tot Ion: 99 Resp: 2103401

Ion Ratio Lower Upper

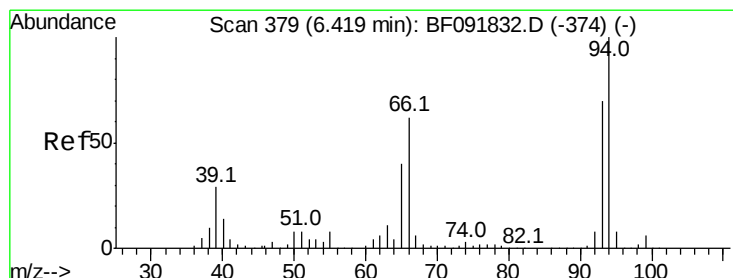
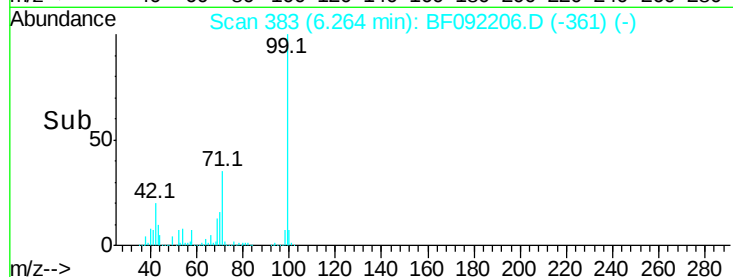
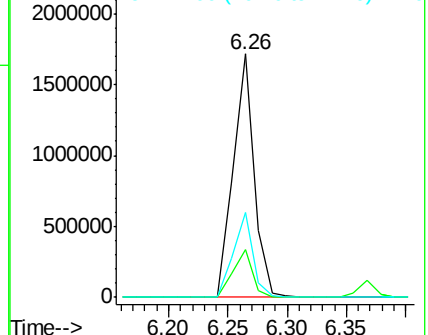
99 100

42 19.6 15.6 23.4

71 34.6 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



#10

Phenol

Concen: 8.88 ng

RT: 6.28 min Scan# 384

Delta R.T. -0.05 min

Lab File: BF092206.D

Acq: 12 Jan 2017 14:20

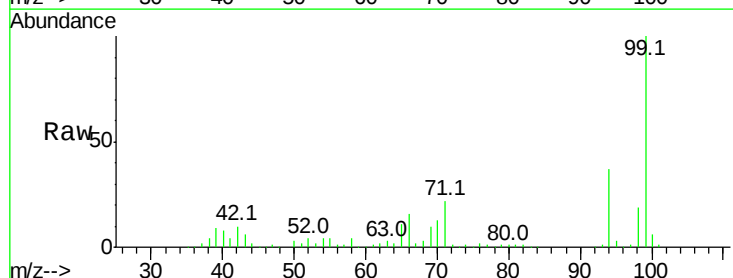
Tgt Ion: 94 Resp: 148478

Ion Ratio Lower Upper

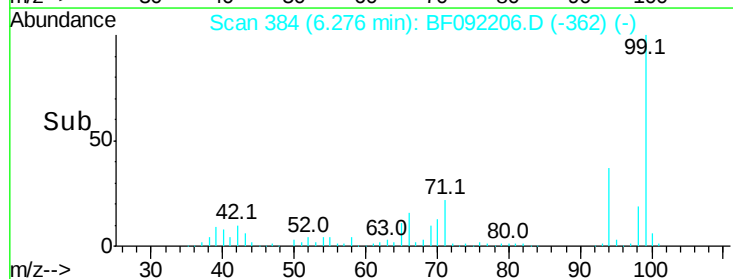
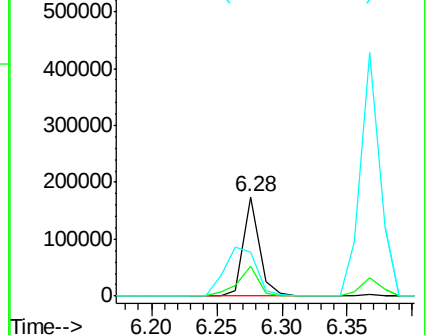
94 100

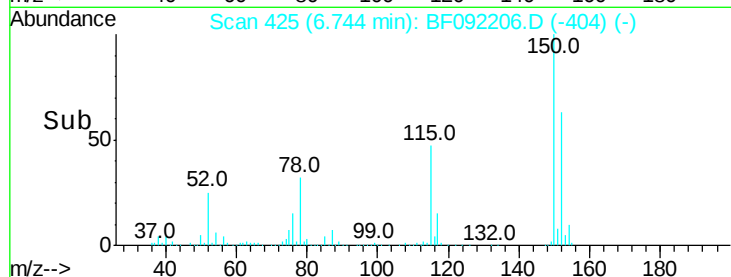
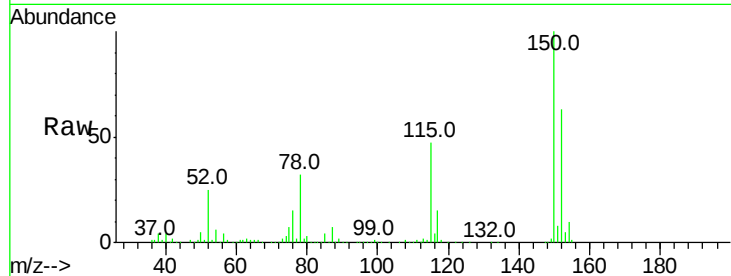
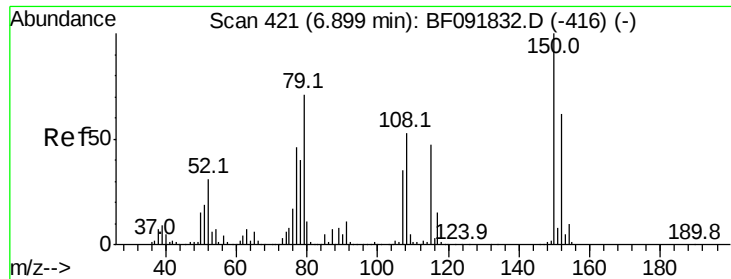
65 29.9 21.4 61.4

66 44.3 44.0 84.0



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





#15

Benzyl Alcohol

Concen: 2.16 ng

RT: 6.74 min Scan# 425

Delta R.T. -0.06 min

Lab File: BF092206.D

Acq: 12 Jan 2017 14:20

Instrument :

BNA_F

ClientSampleId :

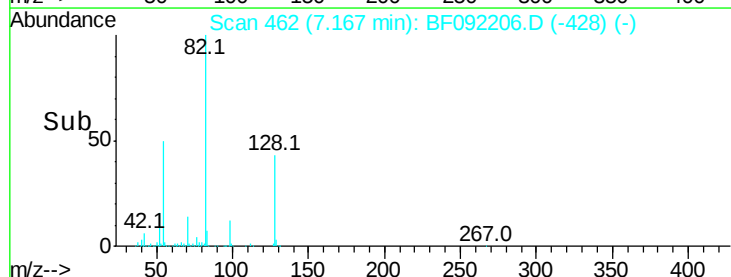
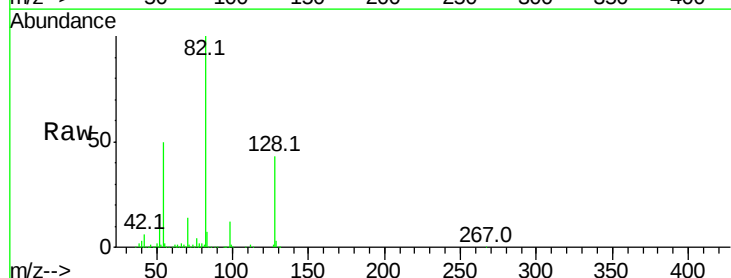
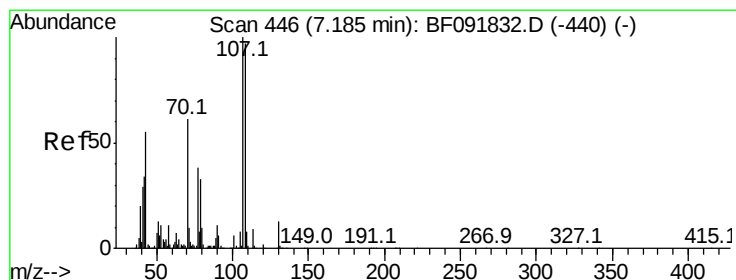
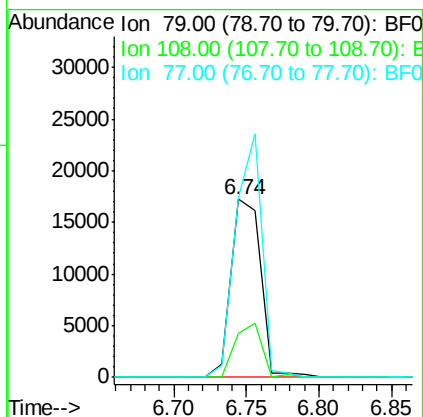
Tot Ion: 79 Resp: 24602

Ion Ratio Lower Upper

79 100

108 24.6 61.4 92.0#

77 101.0 50.9 76.3#



#19

n-Nitroso-di-n-propylamine

Concen: 19.46 ng

RT: 7.17 min Scan# 462

Delta R.T. 0.09 min

Lab File: BF092206.D

Acq: 12 Jan 2017 14:20

Tgt Ion: 70 Resp: 189928

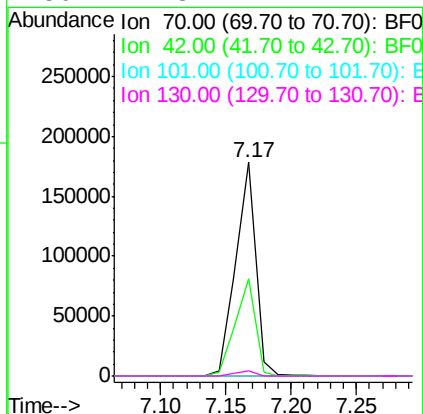
Ion Ratio Lower Upper

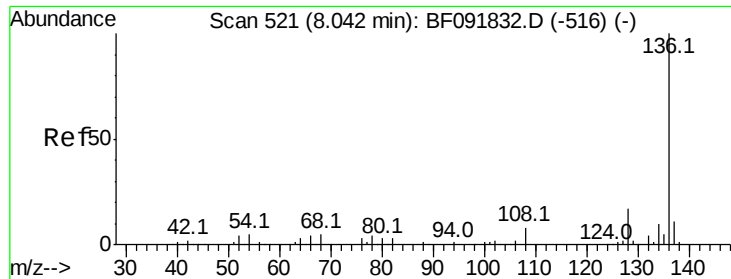
70 100

42 45.7 49.4 74.0#

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#

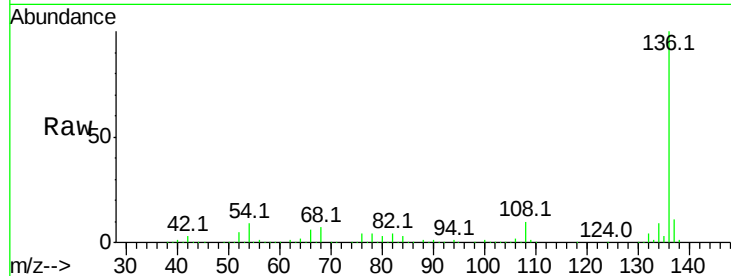




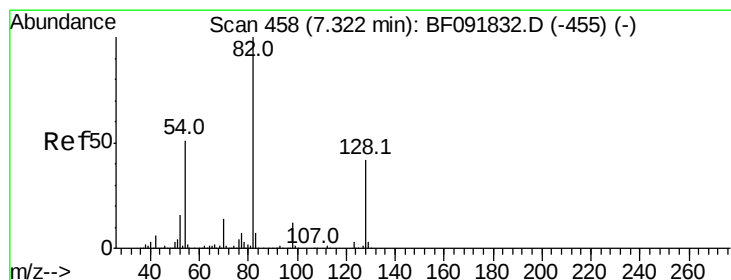
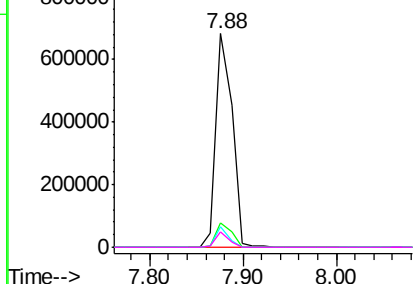
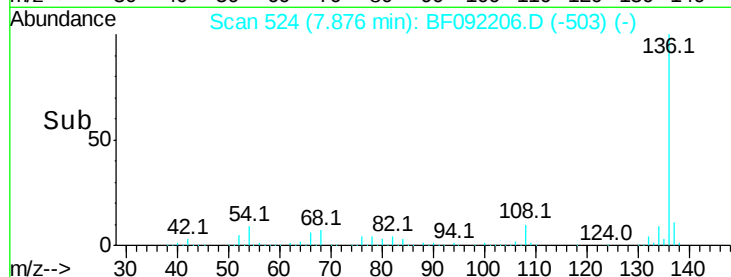
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 524
Delta R.T. -0.06 min
Lab File: BF092206.D
Acq: 12 Jan 2017 14:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	829152
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.4	12.6
54 9.3	4.5	6.7#
68 7.4	3.6	5.4#

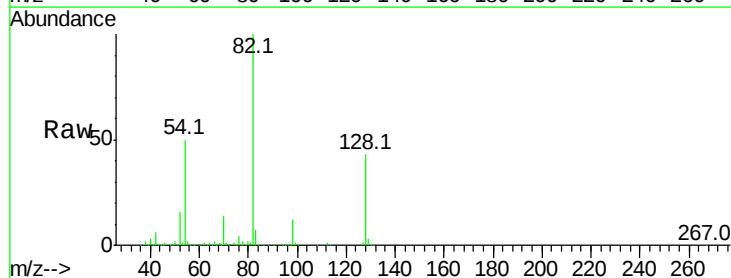


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

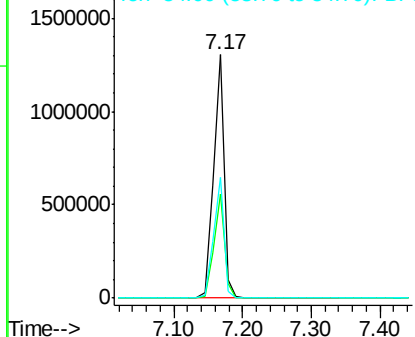
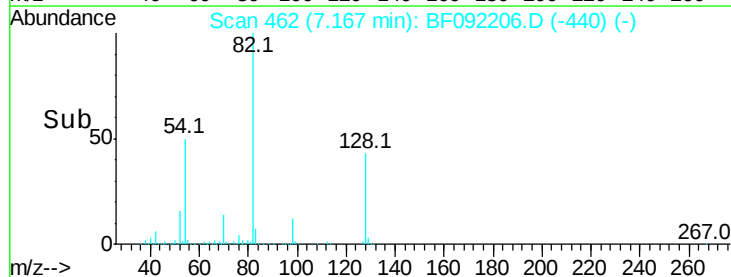


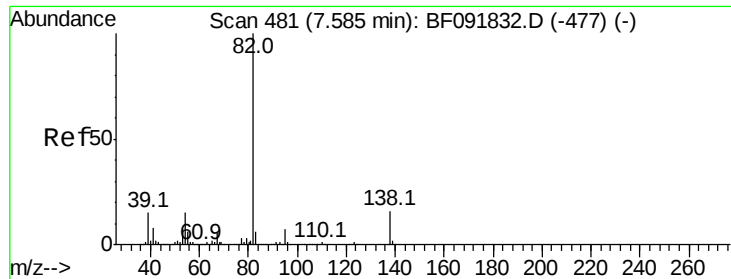
#23
Nitrobenzene-d5
Concen: 94.96 ng
RT: 7.17 min Scan# 462
Delta R.T. -0.05 min
Lab File: BF092206.D
Acq: 12 Jan 2017 14:20

Tgt Ion: 82	Resp: 1416024
Ion Ratio	Lower Upper
82 100	
128 42.6	34.6 52.0
54 49.7	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





#25

Isophorone

Concen: 50.69 ng

RT: 7.17 min Scan# 462

Delta R.T. -0.31 min

Lab File: BF092206.D

Acq: 12 Jan 2017 14:20

Instrument :

BNA_F

ClientSampleId :

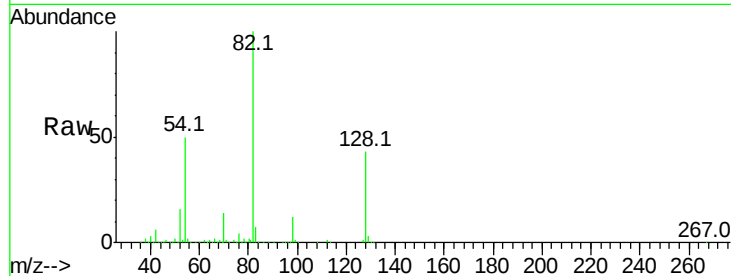
Tot Ion: 82 Resp: 1394597

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

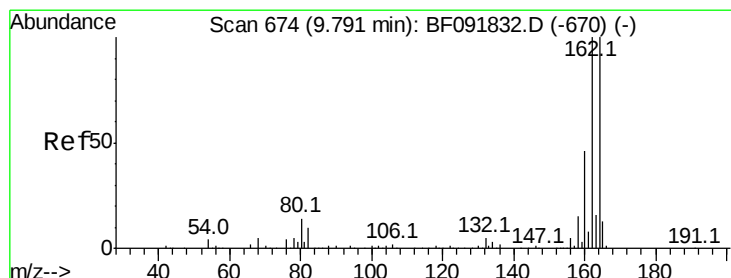
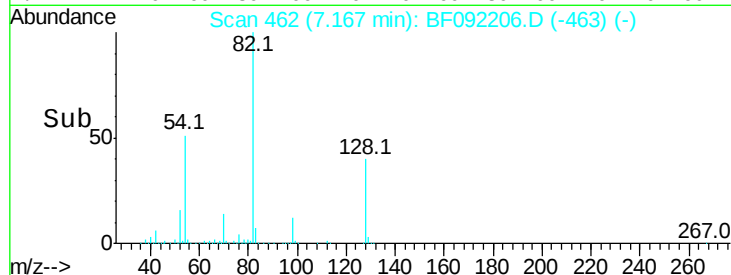
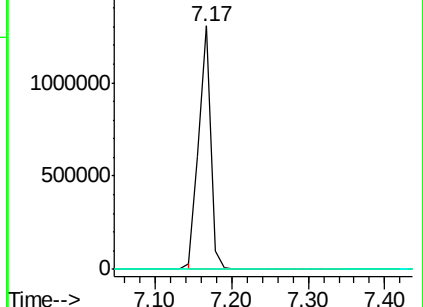
138 0.0 14.6 22.0#



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: 9.62 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF092206.D

Acq: 12 Jan 2017 14:20

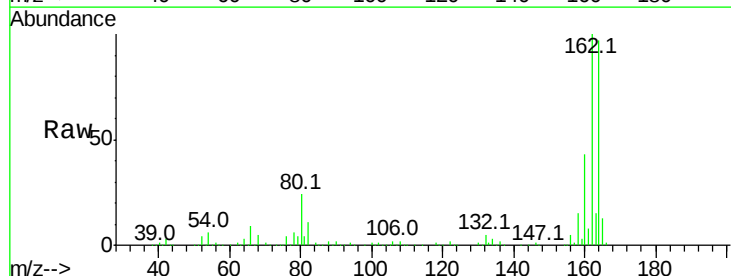
Tgt Ion: 164 Resp: 365623

Ion Ratio Lower Upper

164 100

162 102.7 80.2 120.2

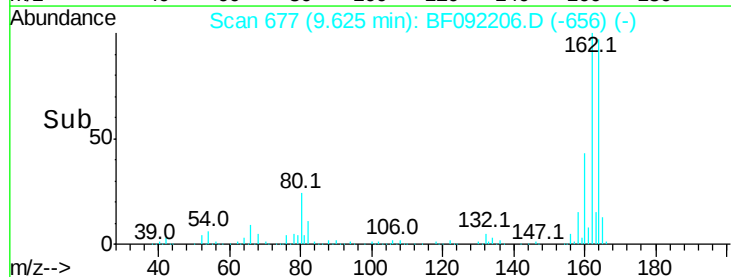
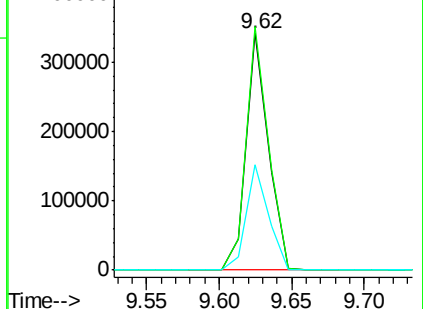
160 44.7 36.9 55.3

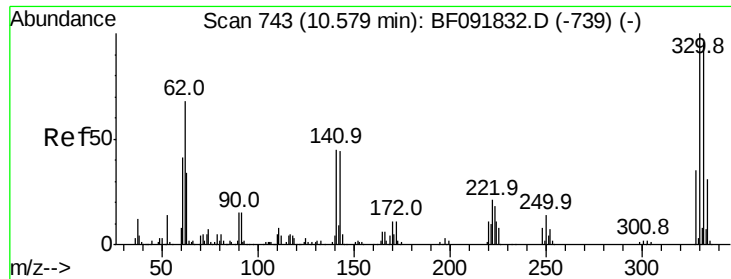


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

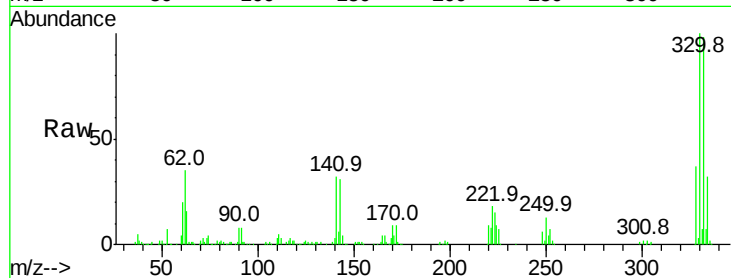




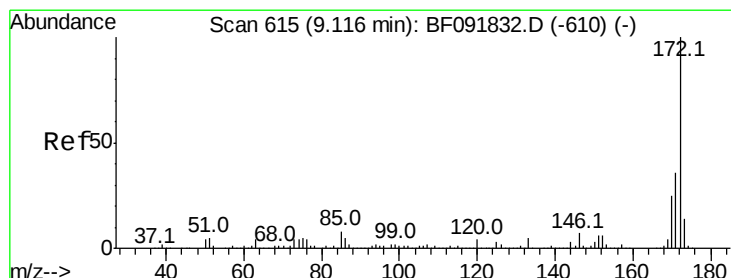
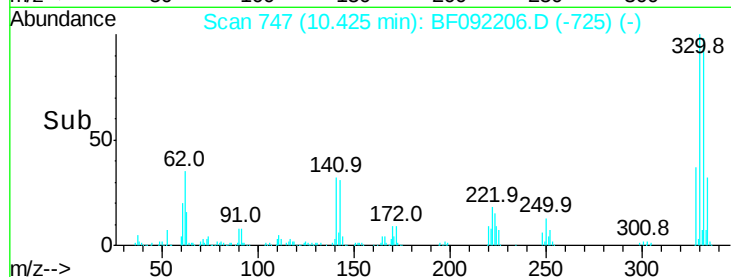
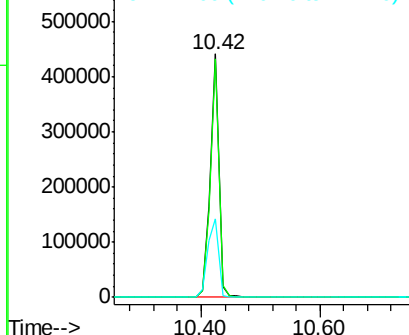
#41
 2,4,6-Tribromophenol
 Concen: 148.42 ng
 RT: 10.42 min Scan# 747
 Delta R.T. -0.05 min
 Lab File: BF092206.D
 Acq: 12 Jan 2017 14:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 449076
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.4 116.2
 141 40.8 34.1 51.1

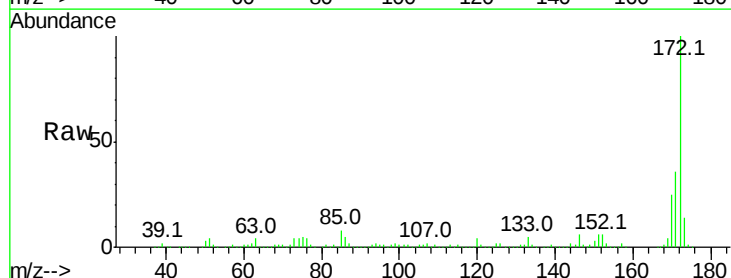


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

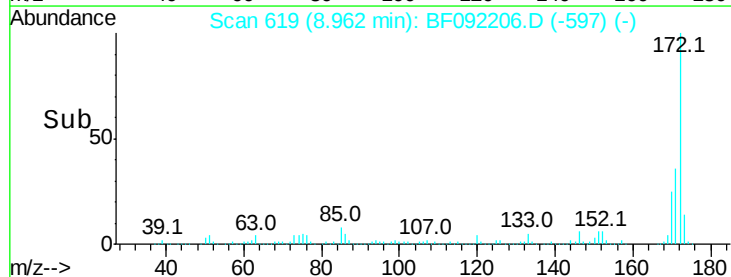
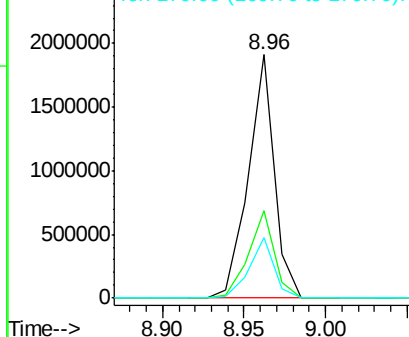


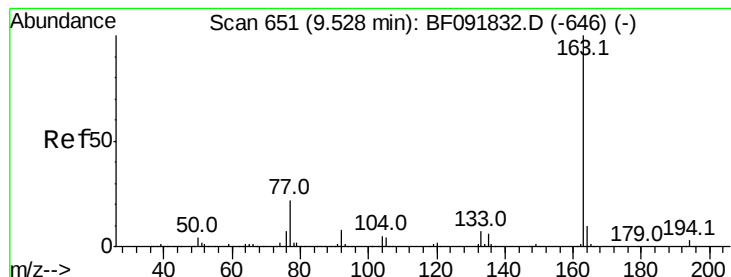
#44
 2-Fluorobiphenyl
 Concen: 124.00 ng
 RT: 8.96 min Scan# 619
 Delta R.T. -0.05 min
 Lab File: BF092206.D
 Acq: 12 Jan 2017 14:20

Tgt Ion:172 Resp: 2107161
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.8 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: 11.30 ng

RT: 9.36 min Scan# 654

Delta R.T. -0.06 min

Lab File: BF092206.D

Acq: 12 Jan 2017 14:20

Instrument :

BNA_F

ClientSampleId :

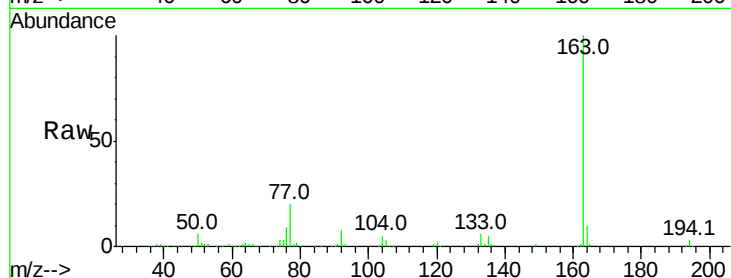
Tot Ion:163 Resp: 264360

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.4

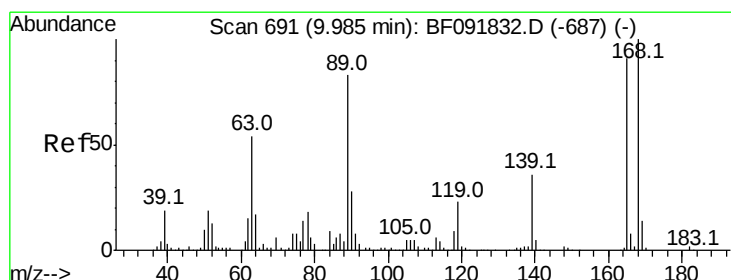
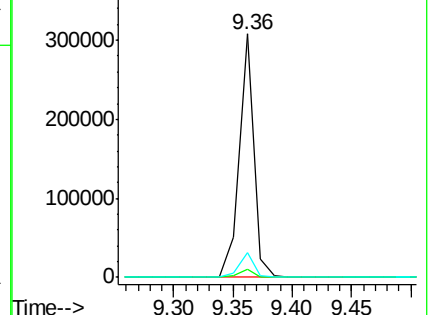
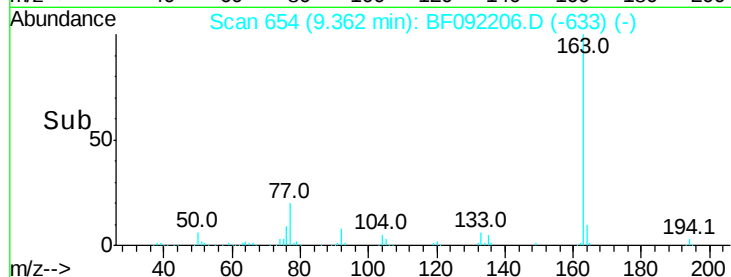
164 10.3 8.0 12.0



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: 7.30 ng

RT: 9.62 min Scan# 677

Delta R.T. -0.26 min

Lab File: BF092206.D

Acq: 12 Jan 2017 14:20

Tgt Ion:165 Resp: 46874

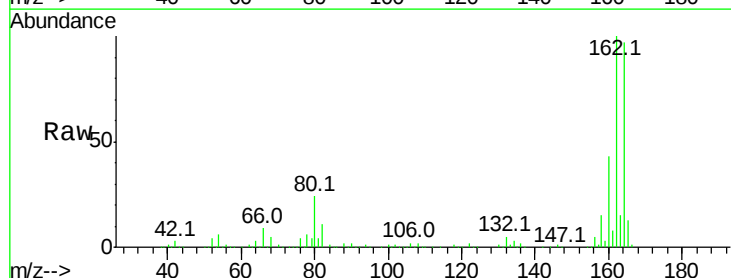
Ion Ratio Lower Upper

165 100

63 0.9 40.2 60.4#

89 1.3 62.5 93.7#

182 0.0 1.8 2.8#

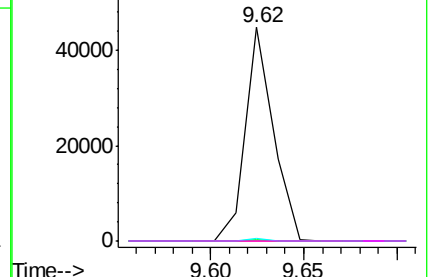
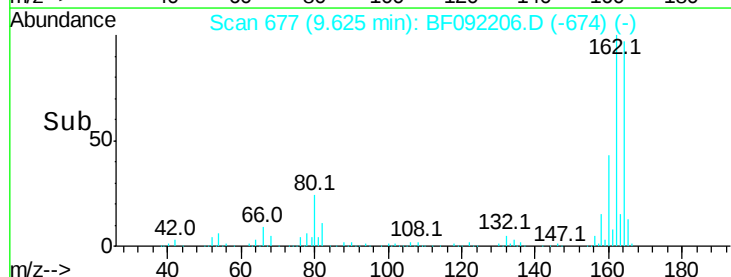


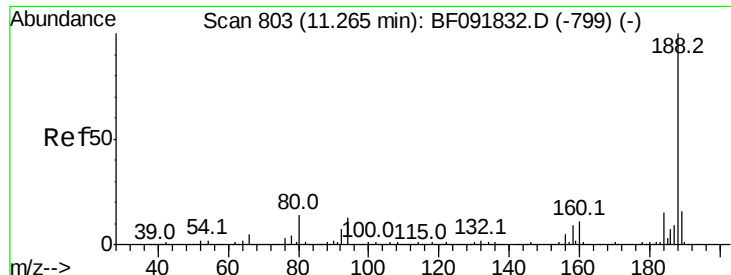
Abundance Ion 165.00 (164.70 to 165.70): E

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

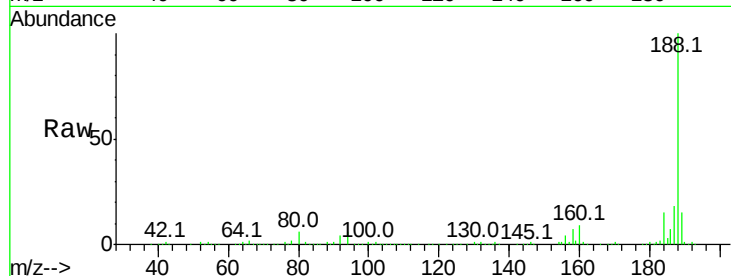




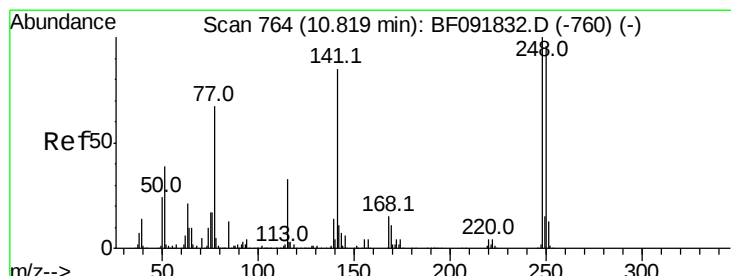
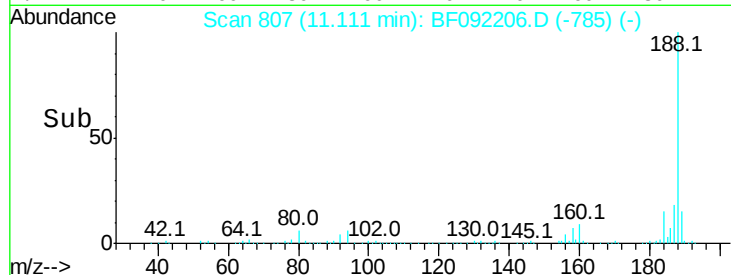
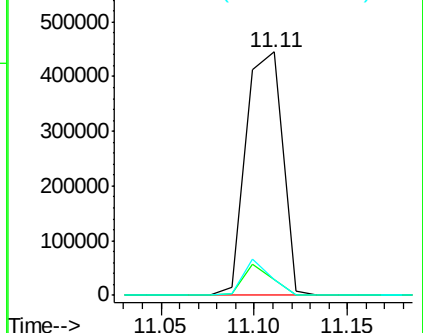
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 807
 Delta R.T. -0.05 min
 Lab File: BF092206.D
 Acq: 12 Jan 2017 14:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 604770
 Ion Ratio Lower Upper
 188 100
 94 6.3 10.0 15.0#
 80 6.5 11.2 16.8#

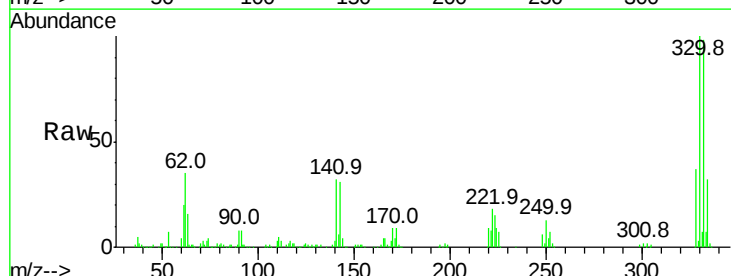


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

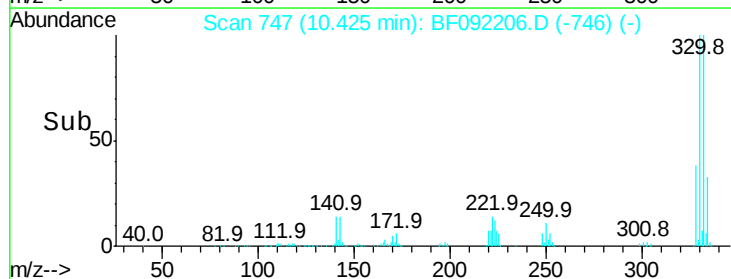
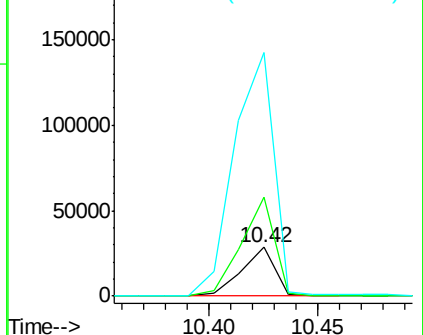


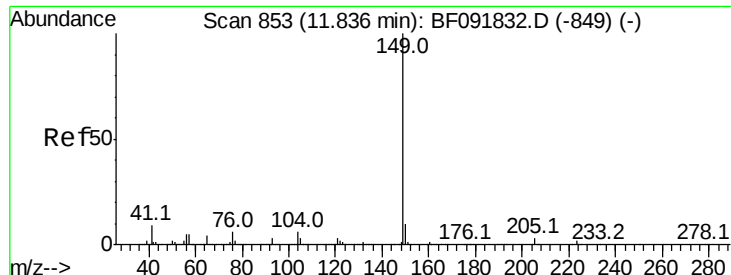
#66
 4-Bromophenyl-phenylether
 Concen: 4.80 ng
 RT: 10.42 min Scan# 747
 Delta R.T. -0.29 min
 Lab File: BF092206.D
 Acq: 12 Jan 2017 14:20

Tgt Ion:248 Resp: 30221
 Ion Ratio Lower Upper
 248 100
 250 202.1 76.9 115.3#
 141 498.4 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





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.68 min Scan# 857

Delta R.T. -0.05 min

Lab File: BF092206.D

Acq: 12 Jan 2017 14:20

Instrument :

BNA_F

ClientSampled :

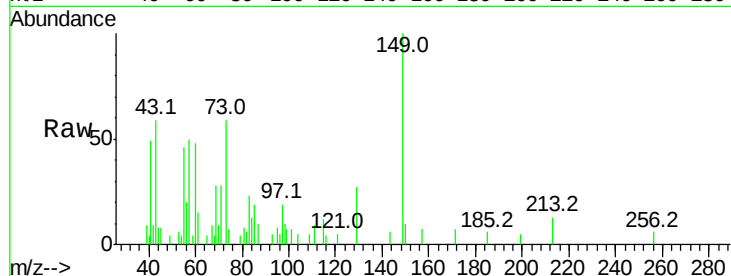
Tot Ion:149 Resp: 7096

Ion Ratio Lower Upper

149 100

150 9.9 8.1 12.1

104 5.0 4.6 7.0

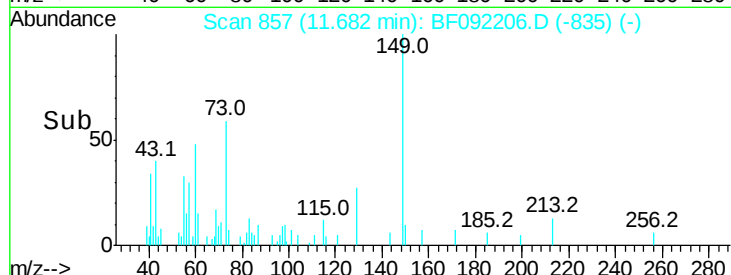


Abundance Ion 149.00 (148.70 to 149.70): E

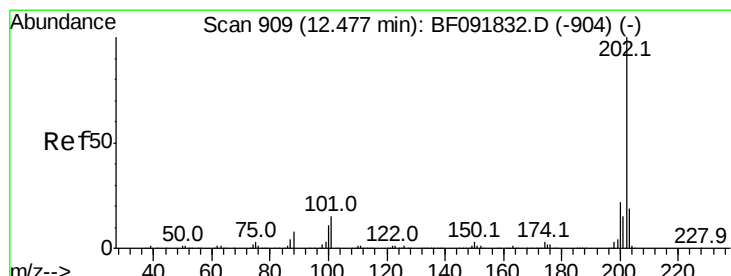
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time--> 11.60 11.65 11.70



Time--> 11.60 11.65 11.70



#74

Fluoranthene

Concen: Below Cal

RT: 12.31 min Scan# 912

Delta R.T. -0.06 min

Lab File: BF092206.D

Acq: 12 Jan 2017 14:20

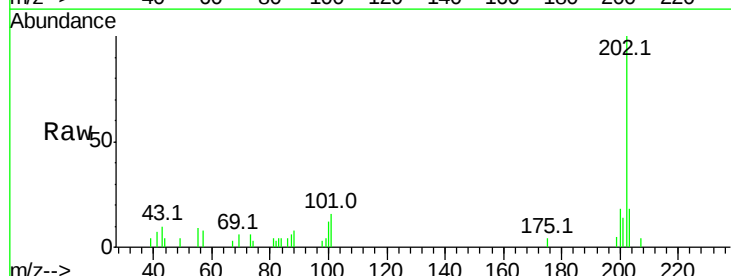
Tgt Ion:202 Resp: 9433

Ion Ratio Lower Upper

202 100

101 16.4 0.0 34.6

203 18.1 0.0 38.7

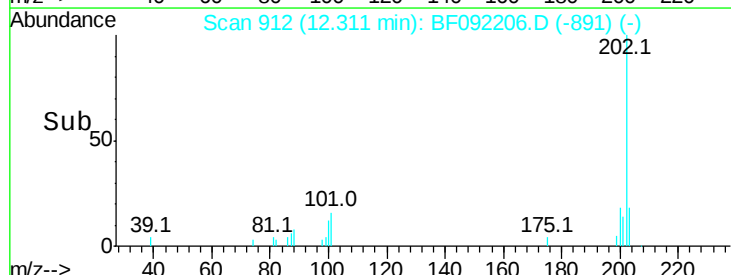


Abundance Ion 202.00 (201.70 to 202.70): E

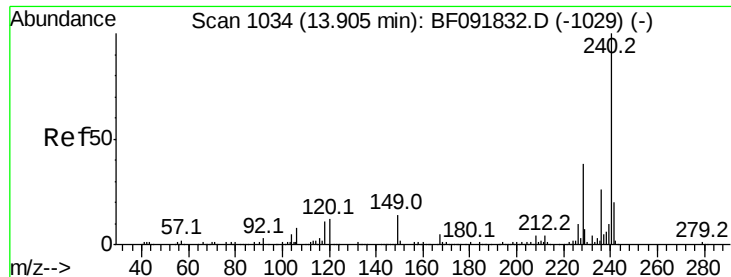
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time--> 12.30 12.35



Time--> 12.30 12.35



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1036

Delta R.T. -0.06 min

Lab File: BF092206.D

Acq: 12 Jan 2017 14:20

Instrument :

BNA_F

ClientSampleId :

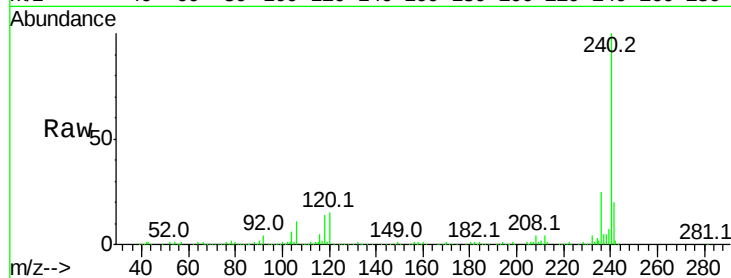
Tot Ion:240 Resp: 449775

Ion Ratio Lower Upper

240 100

120 15.4 12.9 19.3

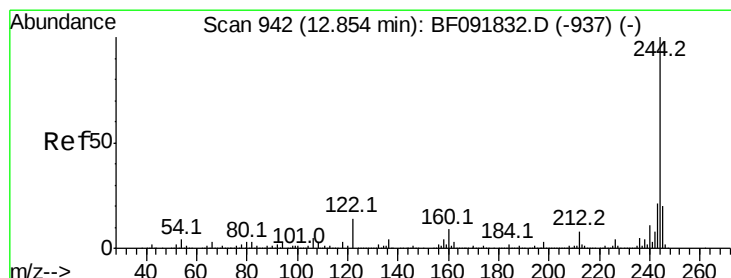
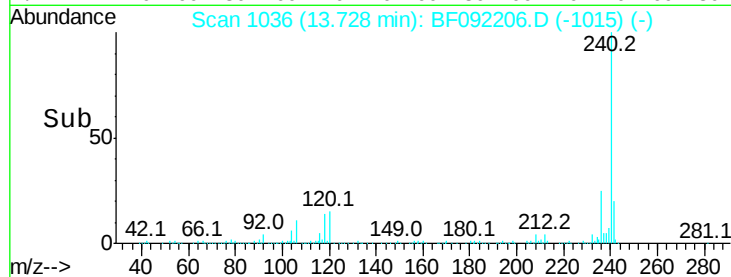
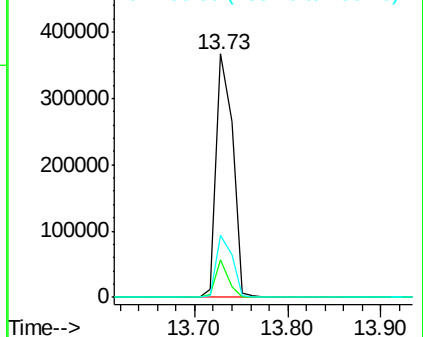
236 25.1 20.9 31.3



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



#78

Terphenyl-d14

Concen: 104.21 ng

RT: 12.70 min Scan# 946

Delta R.T. -0.05 min

Lab File: BF092206.D

Acq: 12 Jan 2017 14:20

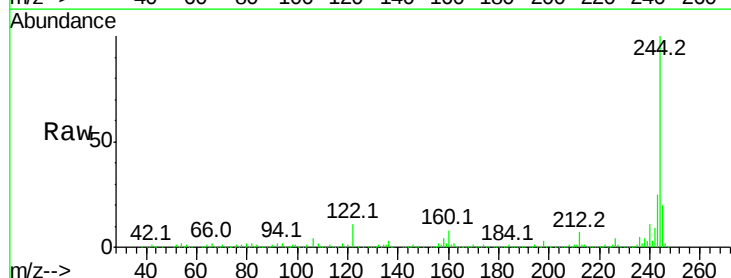
Tgt Ion:244 Resp: 1932543

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

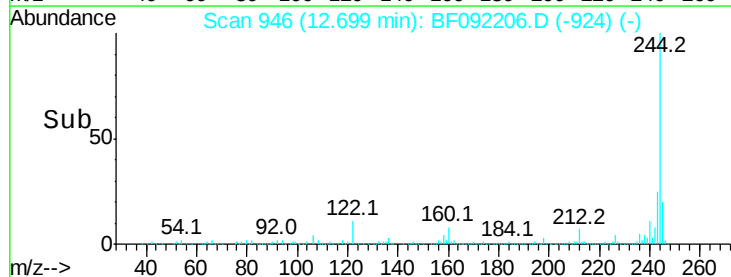
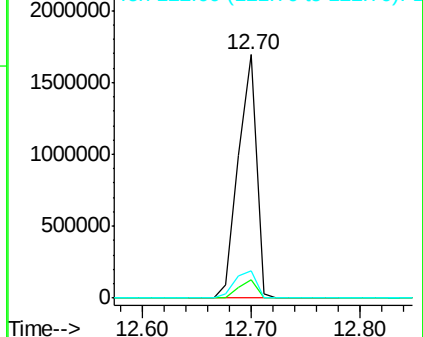
122 11.3 11.4 17.2#

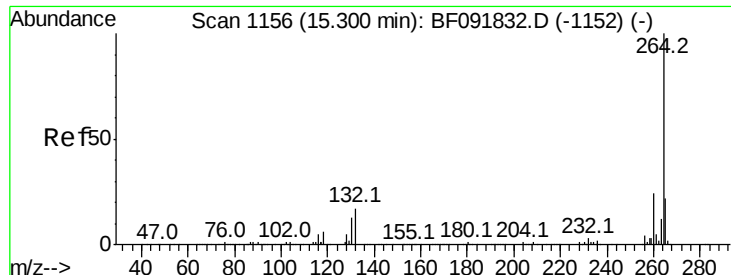


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

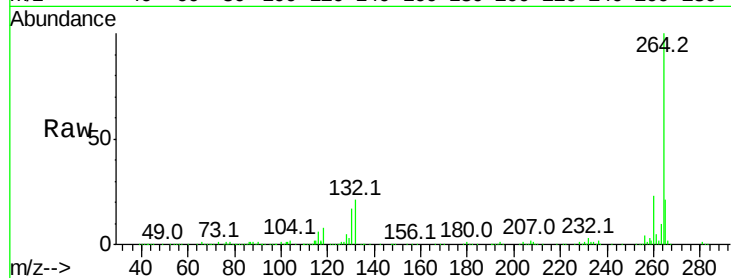




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1155
 Delta R.T. -0.06 min
 Lab File: BF092206.D
 Acq: 12 Jan 2017 14:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.5	17.4	26.0



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

