

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091291.D
 Acq On : 23 Nov 2016 22:48
 Operator : UM/SJ
 Sample : H5740-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03(4-6)

Quant Time: Nov 24 00:02:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 13:22:53 2016
 Response via : Initial Calibration

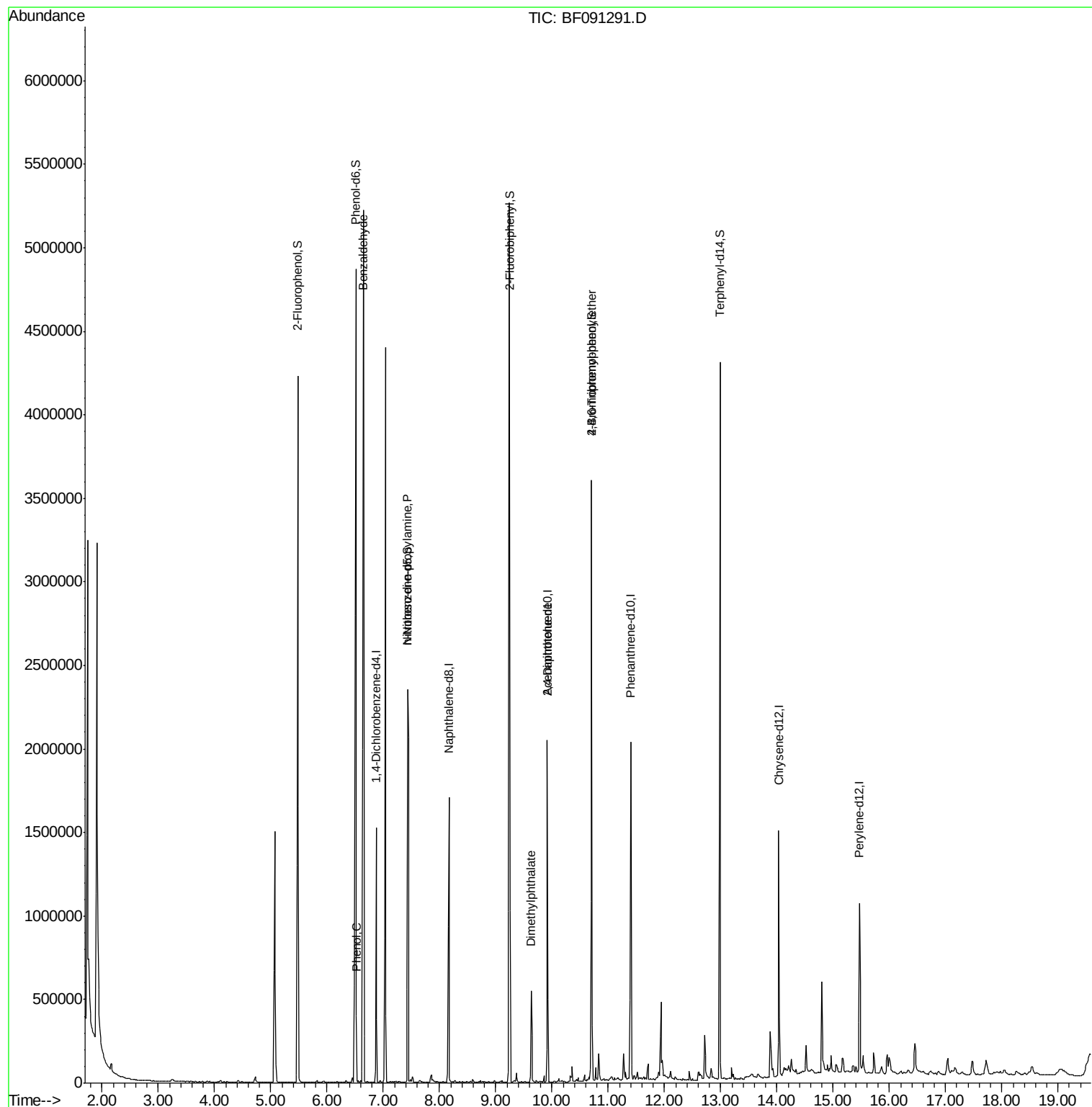
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	212568	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	888602	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	451794	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	724860	20.00	ng	0.00
75) Chrysene-d12	14.03	240	503227	20.00	ng	-0.01
86) Perylene-d12	15.47	264	504859	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1291082	97.59	ng	0.01
7) Phenol-d6	6.51	99	1801262	105.97	ng	0.01
23) Nitrobenzene-d5	7.44	82	1095583	70.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	414302	90.93	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1678586	60.84	ng	0.00
78) Terphenyl-d14	12.99	244	1408391	63.92	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	33751	2.65	ng	88
10) Phenol	6.52	94	106600	5.62	ng	80
19) n-Nitroso-di-n-propylamine	7.44	70	146722	13.76	ng	# 76
49) Dimethylphthalate	9.63	163	251886	8.93	ng	96
56) 2,4-Dinitrotoluene	9.92	165	58955	7.56	ng	# 34
66) 4-Bromophenyl-phenylether	10.70	248	26030	3.29	ng	# 1

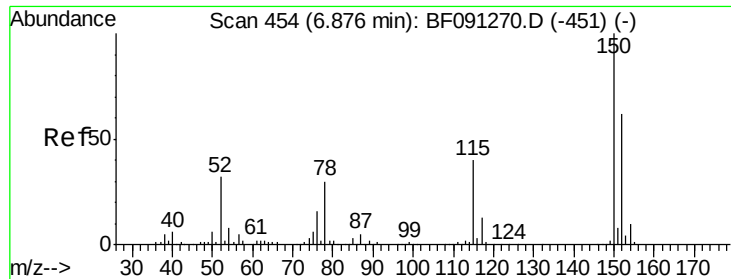
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF091291.D

Acq: 23 Nov 2016 22:48

Instrument :

BNA_F

ClientSampleId :

SB-03(4-6)

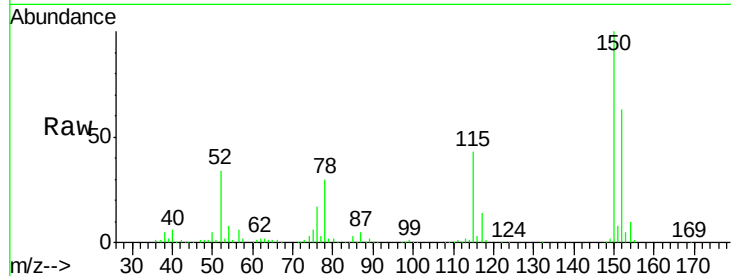
Tgt Ion:152 Resp: 212568

Ion Ratio Lower Upper

152 100

150 159.4 122.5 183.7

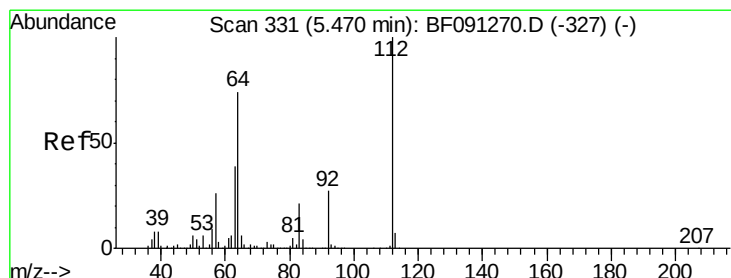
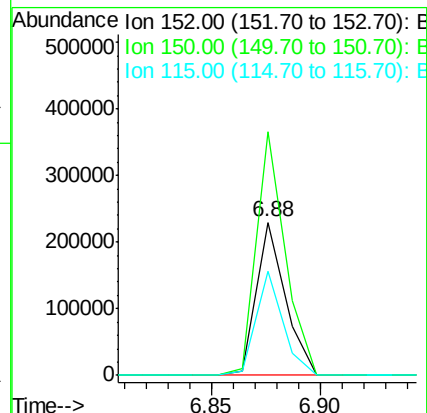
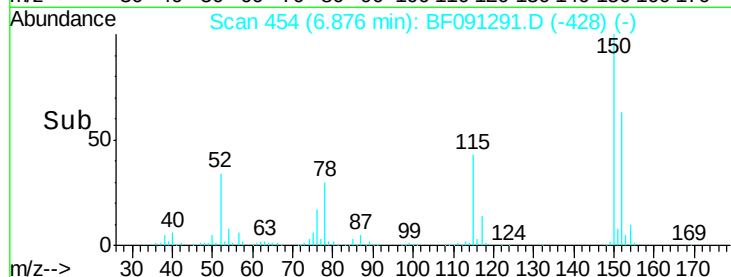
115 67.9 51.8 77.8



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: 97.59 ng

RT: 5.48 min Scan# 332

Delta R.T. 0.01 min

Lab File: BF091291.D

Acq: 23 Nov 2016 22:48

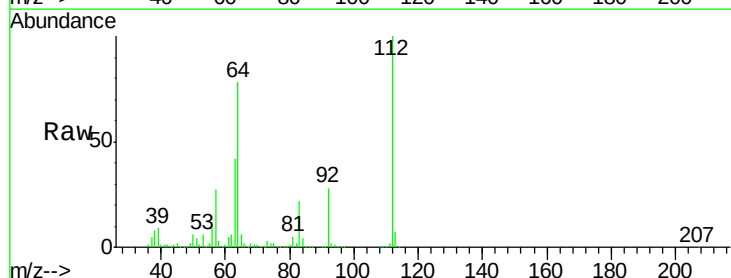
Tgt Ion:112 Resp: 1291082

Ion Ratio Lower Upper

112 100

64 78.0 61.5 92.3

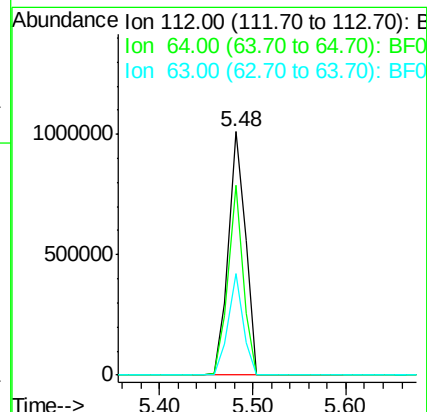
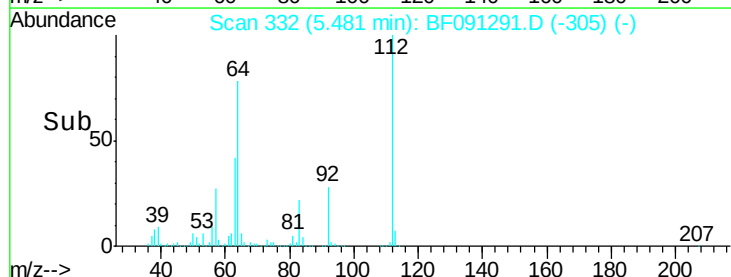
63 41.6 33.3 49.9

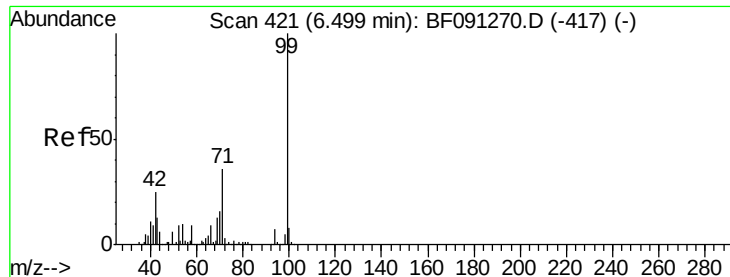


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.97 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091291.D

Acq: 23 Nov 2016 22:48

Instrument :

BNA_F

ClientSampleId :

SB-03(4-6)

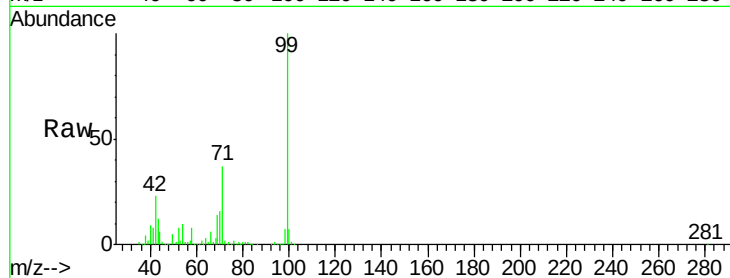
Tgt Ion: 99 Resp: 1801262

Ion Ratio Lower Upper

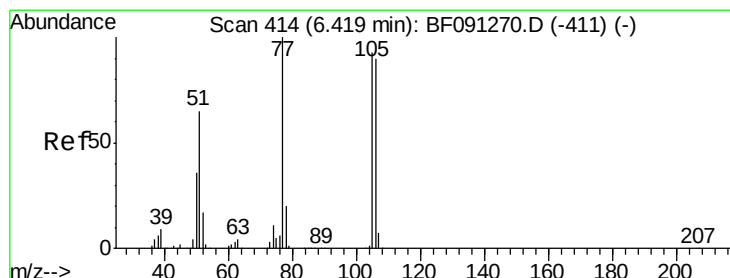
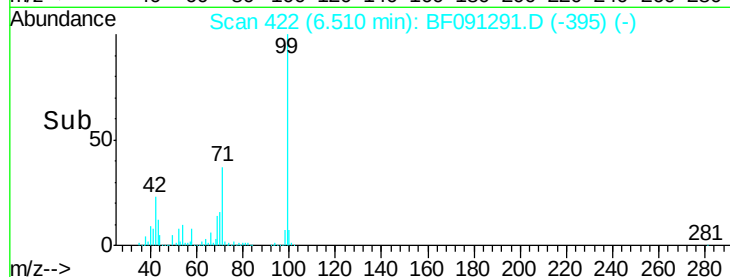
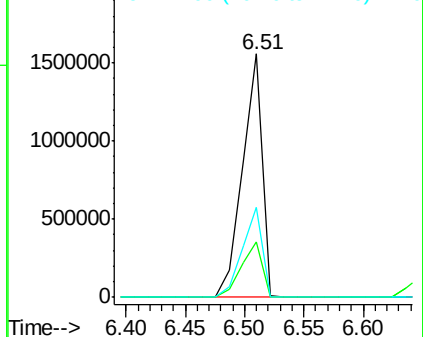
99 100

42 23.0 20.6 31.0

71 36.9 29.9 44.9



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



#9

Benzaldehyde

Concen: 2.65 ng

RT: 6.65 min Scan# 434

Delta R.T. 0.23 min

Lab File: BF091291.D

Acq: 23 Nov 2016 22:48

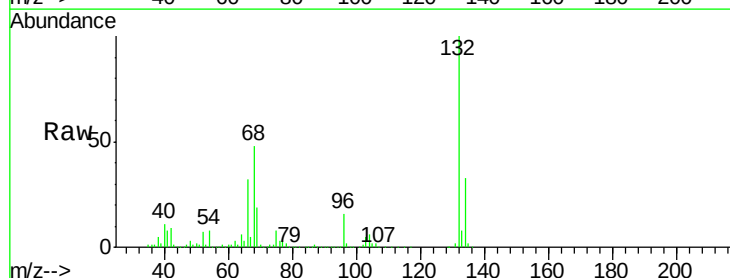
Tgt Ion: 77 Resp: 33751

Ion Ratio Lower Upper

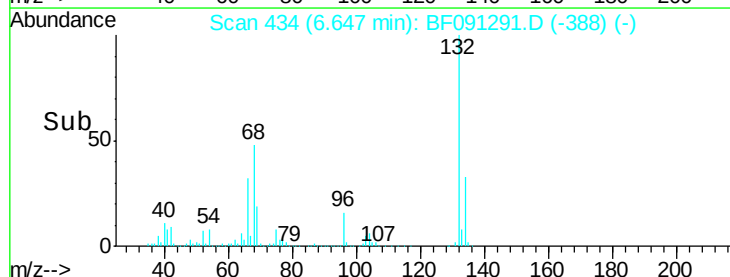
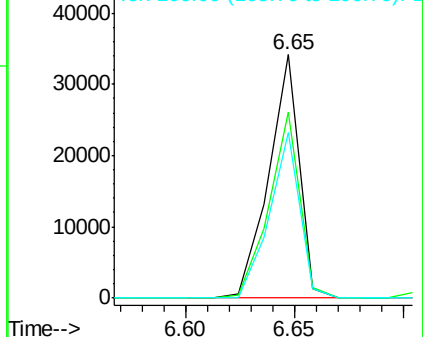
77 100

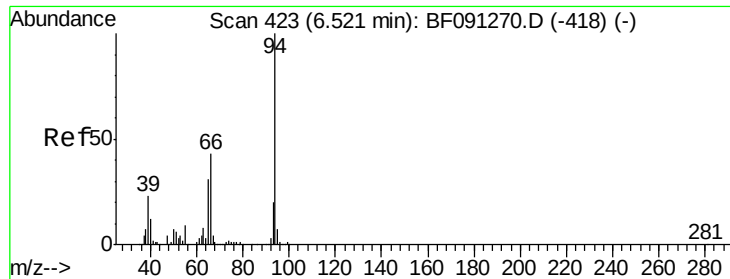
105 76.6 66.4 106.4

106 68.1 60.9 100.9



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: 5.62 ng

RT: 6.52 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF091291.D

Acq: 23 Nov 2016 22:48

Instrument :

BNA_F

ClientSampleId :

SB-03(4-6)

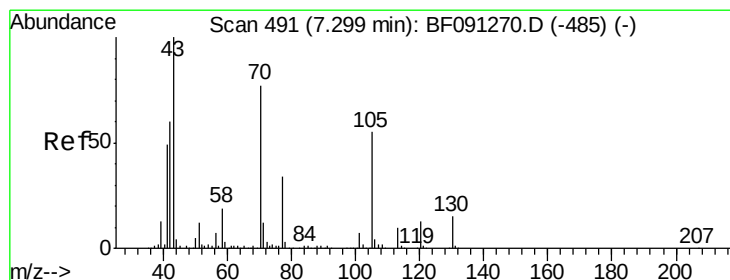
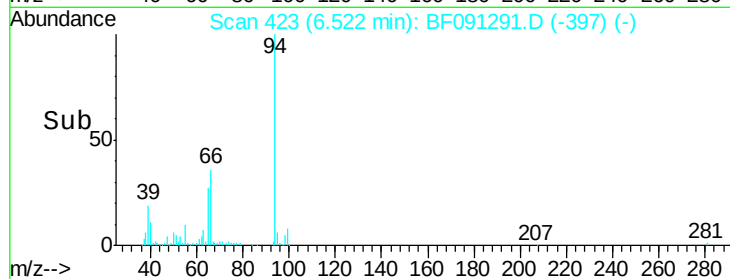
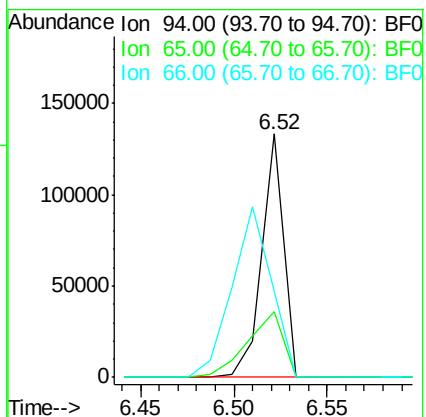
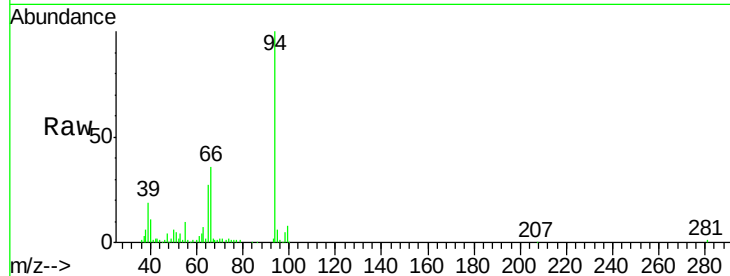
Tgt Ion: 94 Resp: 106600

Ion Ratio Lower Upper

94 100

65 27.1 16.9 56.9

66 35.5 30.6 70.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.76 ng

RT: 7.44 min Scan# 503

Delta R.T. 0.14 min

Lab File: BF091291.D

Acq: 23 Nov 2016 22:48

Tgt Ion: 70 Resp: 146722

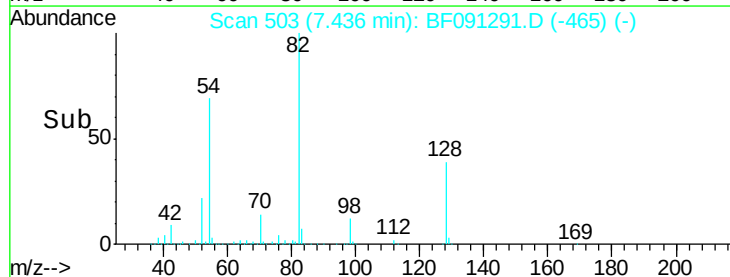
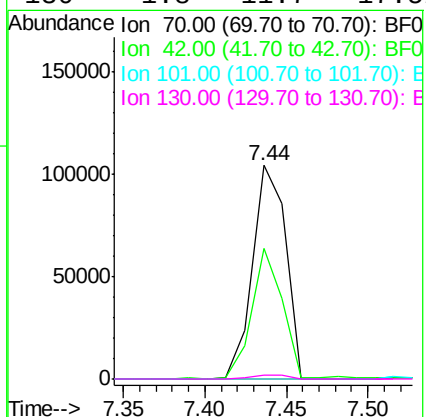
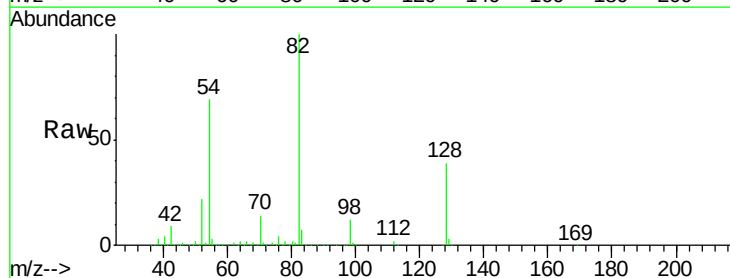
Ion Ratio Lower Upper

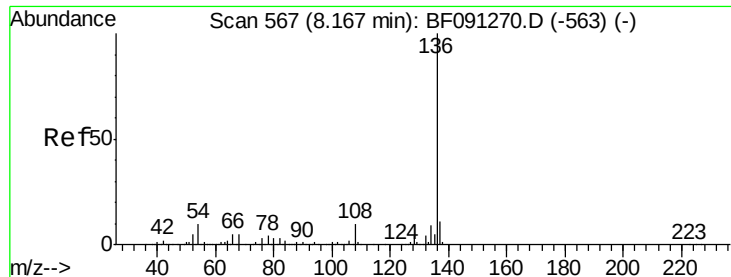
70 100

42 61.2 64.8 97.2#

101 0.0 6.2 9.4#

130 1.8 11.7 17.5#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF091291.D

Acq: 23 Nov 2016 22:48

Instrument :

BNA_F

ClientSampleId :

SB-03(4-6)

Tgt Ion:136 Resp: 888602

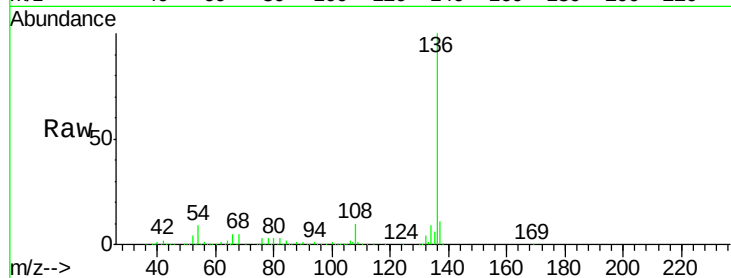
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 8.8 9.1 13.7#

68 4.7 5.9 8.9#

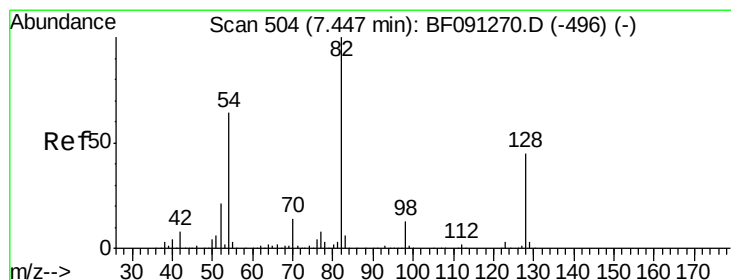
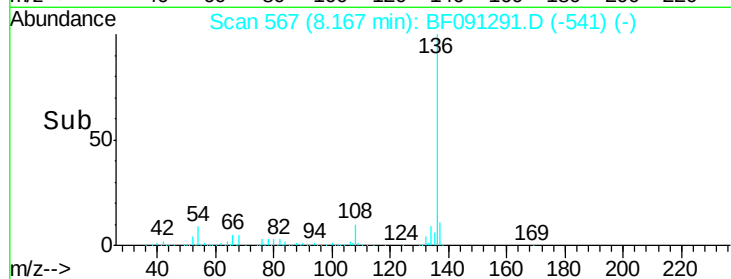
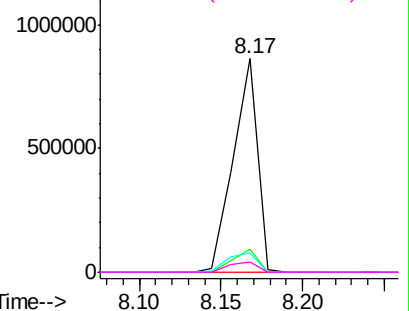


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.98 ng

RT: 7.44 min Scan# 503

Delta R.T. -0.01 min

Lab File: BF091291.D

Acq: 23 Nov 2016 22:48

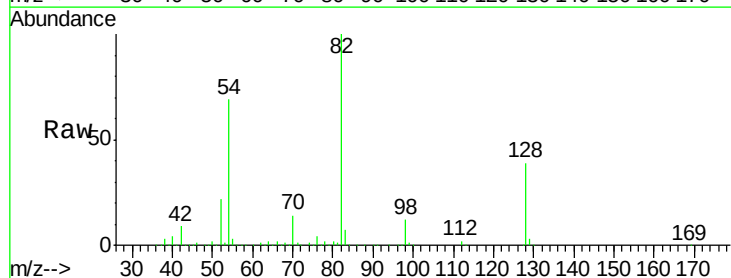
Tgt Ion: 82 Resp: 1095583

Ion Ratio Lower Upper

82 100

128 39.3 31.8 47.6

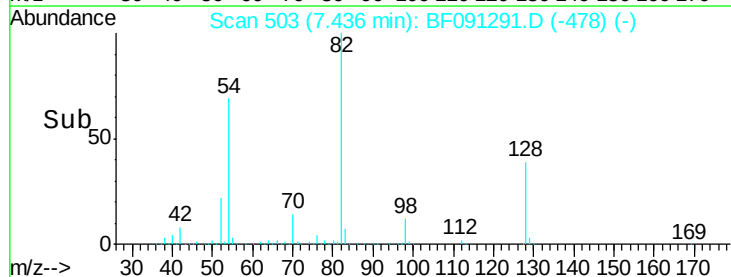
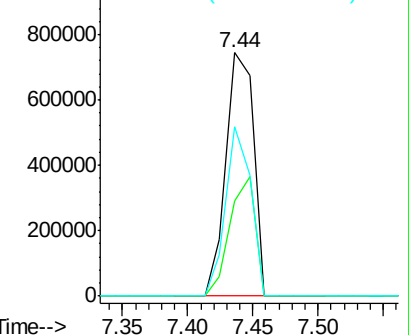
54 69.3 49.1 73.7

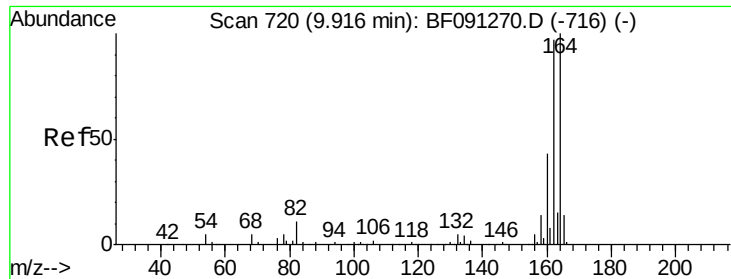


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF091291.D

Acq: 23 Nov 2016 22:48

Instrument :

BNA_F

ClientSampleId :

SB-03(4-6)

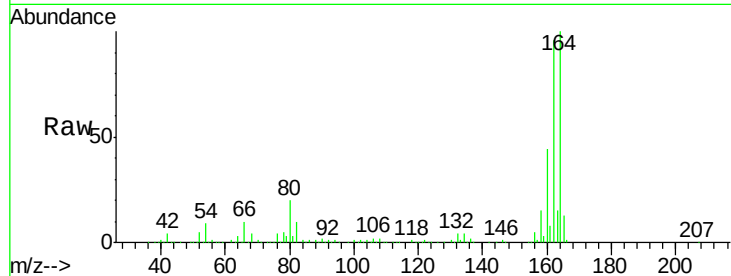
Tgt Ion:164 Resp: 451794

Ion Ratio Lower Upper

164 100

162 96.4 82.6 124.0

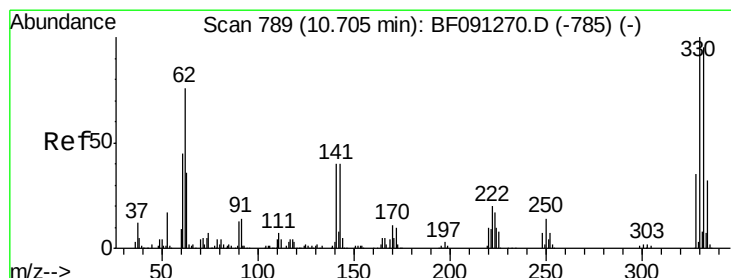
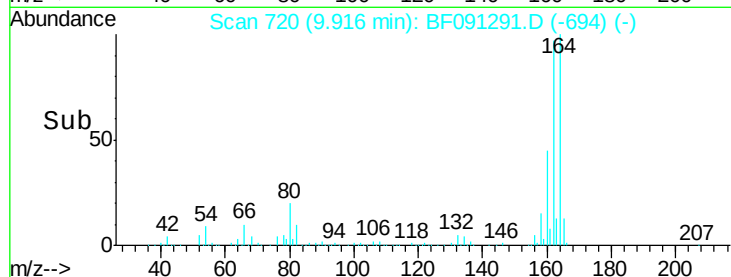
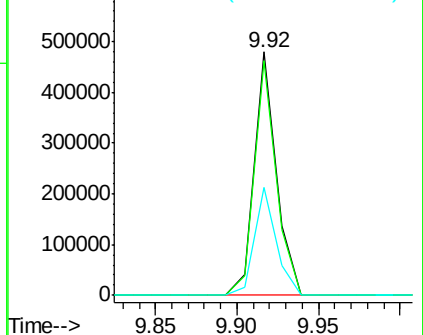
160 44.5 36.7 55.1



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: 90.93 ng

RT: 10.70 min Scan# 789

Delta R.T. 0.00 min

Lab File: BF091291.D

Acq: 23 Nov 2016 22:48

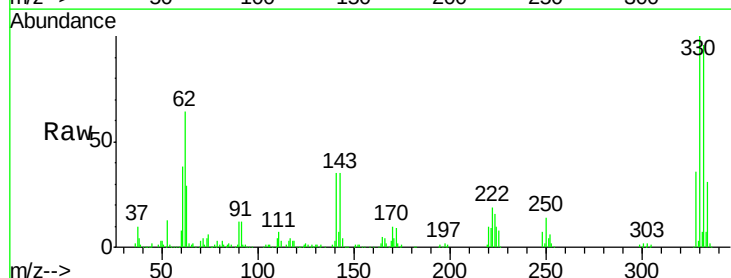
Tgt Ion:330 Resp: 414302

Ion Ratio Lower Upper

330 100

332 96.0 76.2 114.4

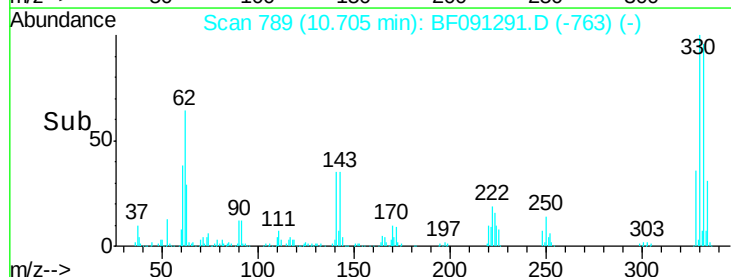
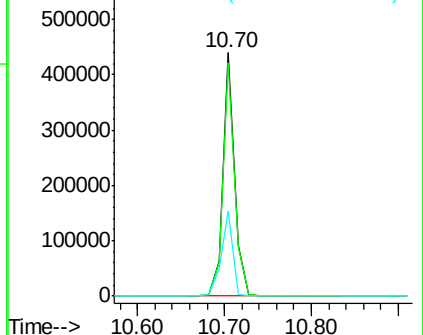
141 34.8 33.6 50.4

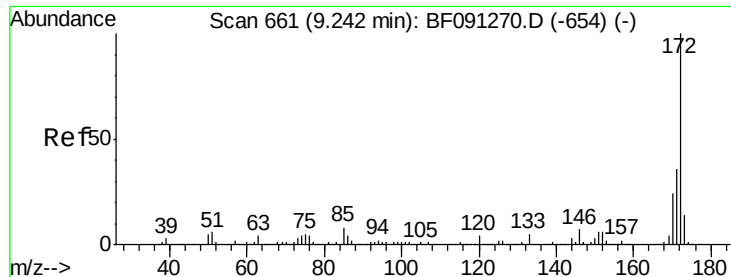


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

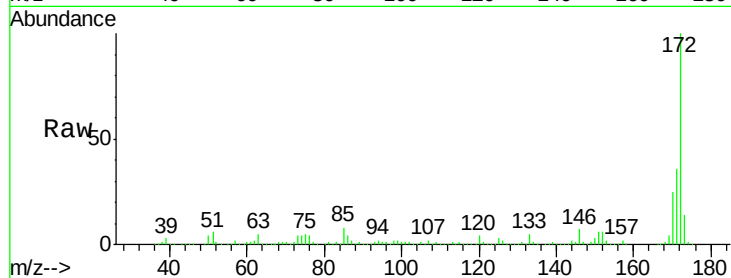




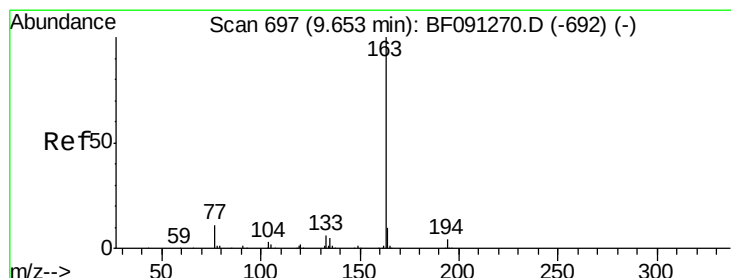
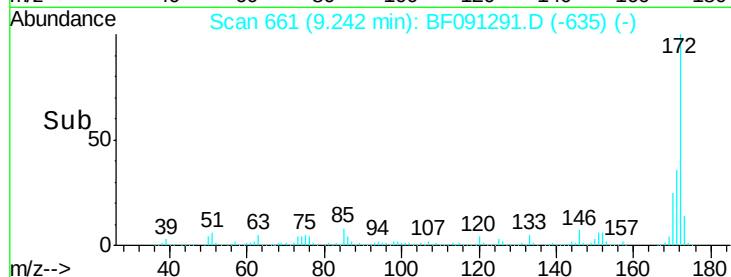
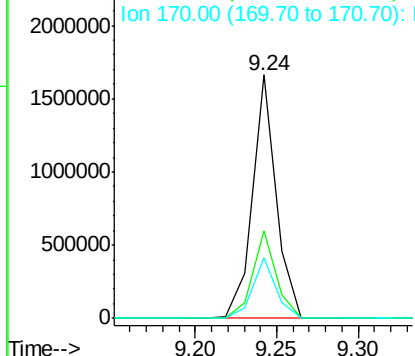
#44
 2-Fluorobiphenyl
 Concen: 60.84 ng
 RT: 9.24 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF091291.D
 Acq: 23 Nov 2016 22:48

Instrument :
 BNA_F
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 SB-03(4-6)

Tgt Ion:172 Resp: 1678586
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.7 19.7 29.5

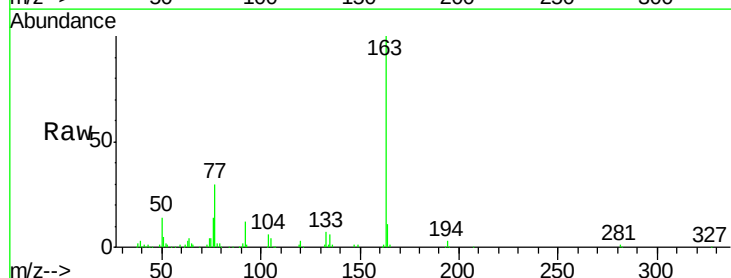


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

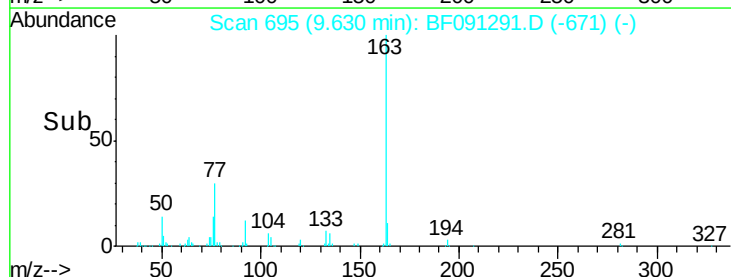
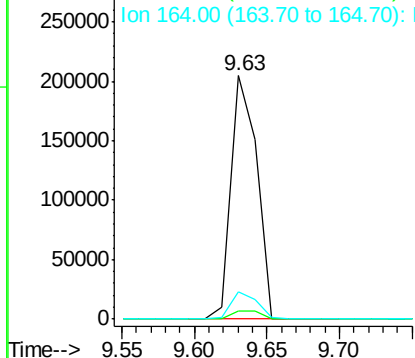


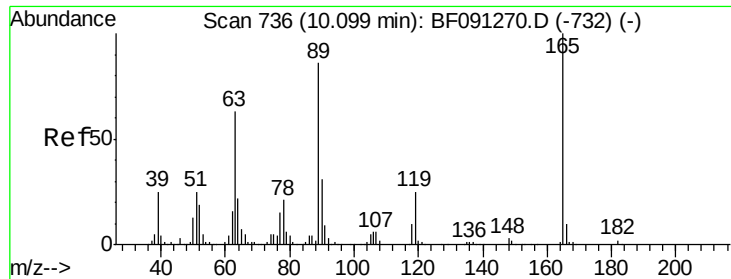
#49
 Dimethylphthalate
 Concen: 8.93 ng
 RT: 9.63 min Scan# 695
 Delta R.T. -0.02 min
 Lab File: BF091291.D
 Acq: 23 Nov 2016 22:48

Tgt Ion:163 Resp: 251886
 Ion Ratio Lower Upper
 163 100
 194 3.1 3.0 4.4
 164 11.3 7.8 11.8



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

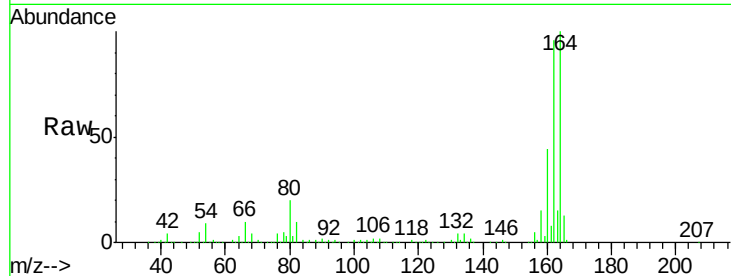




#56
2,4-Dinitrotoluene
Concen: 7.56 ng
RT: 9.92 min Scan# 720
Delta R.T. -0.18 min
Lab File: BF091291.D
Acq: 23 Nov 2016 22:48

Instrument :
BNA_F
ClientSampleId :
SB-03(4-6)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	29.0	43.4#
89	1.3	43.1	64.7#
182	0.0	1.9	2.9#

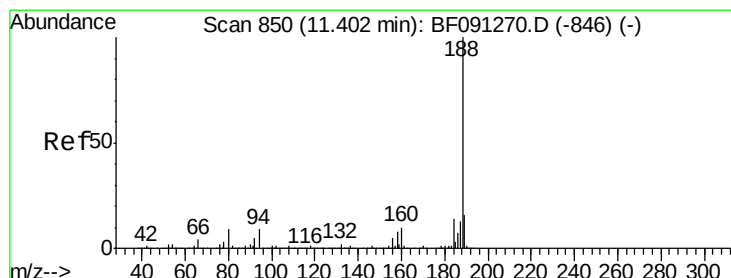
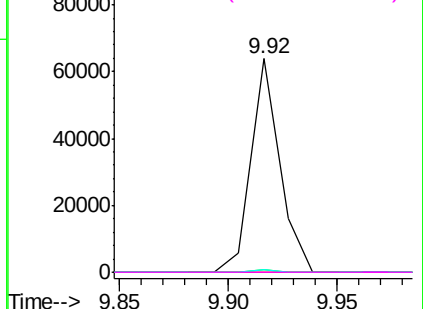
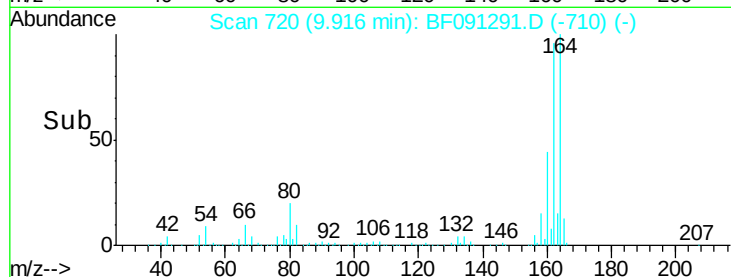


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

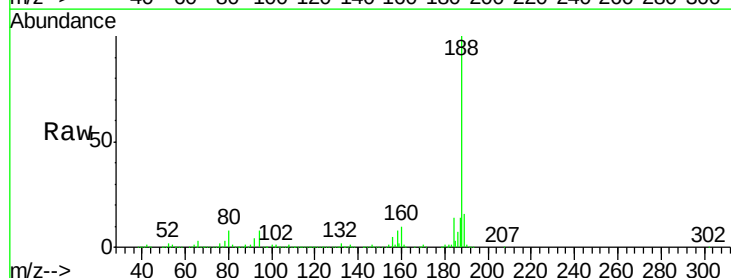
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 850
Delta R.T. 0.00 min
Lab File: BF091291.D
Acq: 23 Nov 2016 22:48

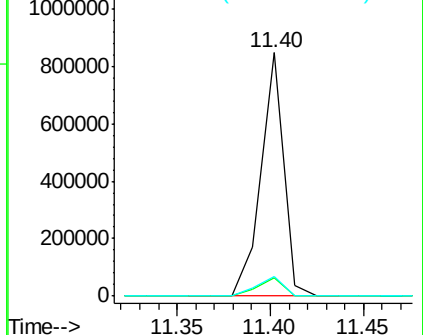
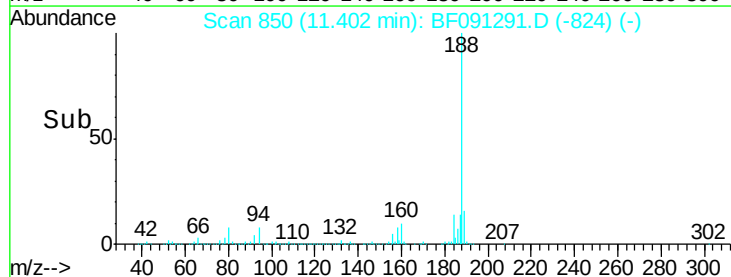
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	9.2	13.8#
80	8.0	10.5	15.7#

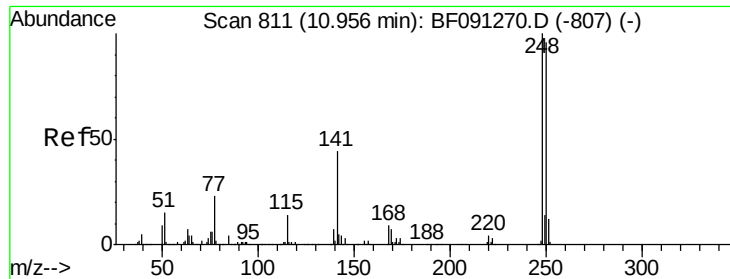


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

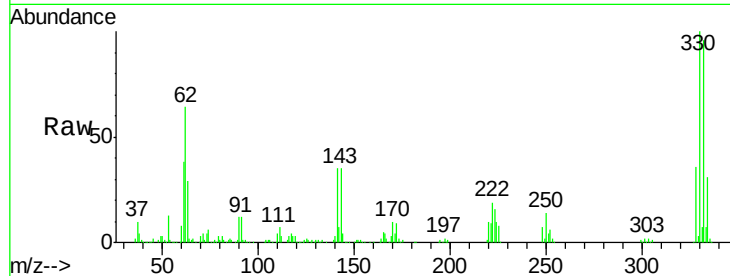




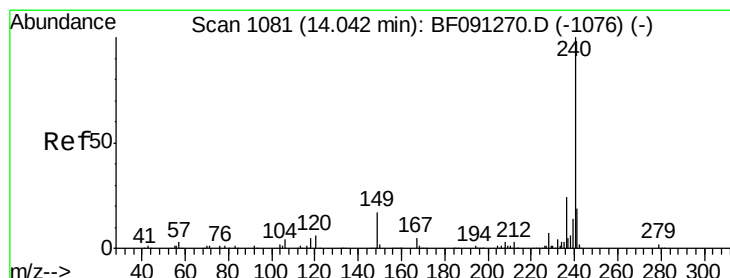
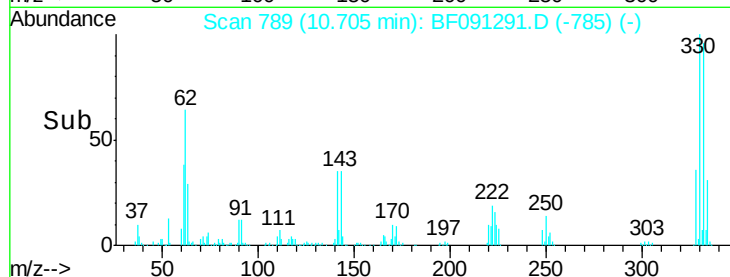
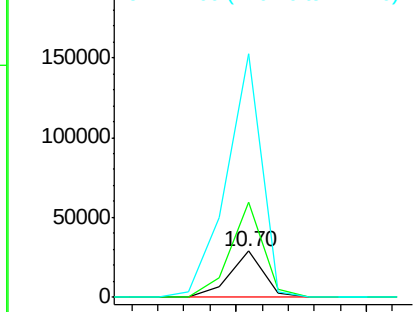
#66
4-Bromophenyl-phenylether
Concen: 3.29 ng
RT: 10.70 min Scan# 789
Delta R.T. -0.25 min
Lab File: BF091291.D
Acq: 23 Nov 2016 22:48

Instrument :
BNA_F
ClientSampleId :
SB-03(4-6)

Tgt Ion:248 Resp: 26030
Ion Ratio Lower Upper
248 100
250 207.2 78.2 117.4#
141 528.5 71.9 107.9#

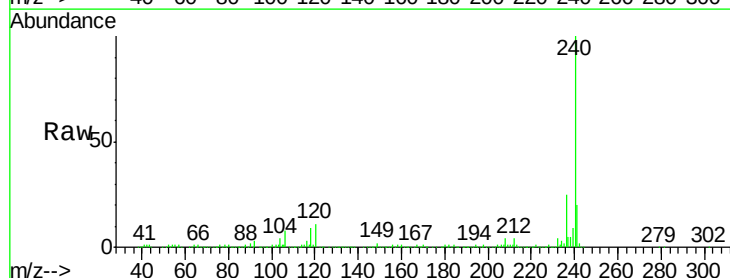


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

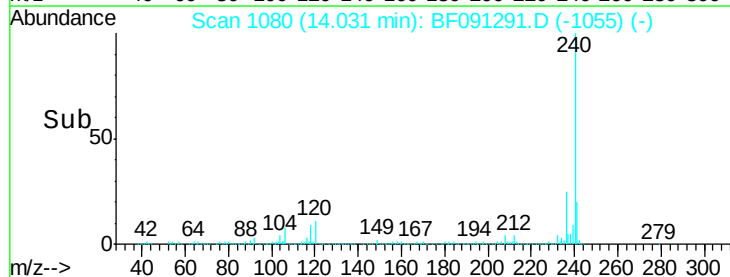
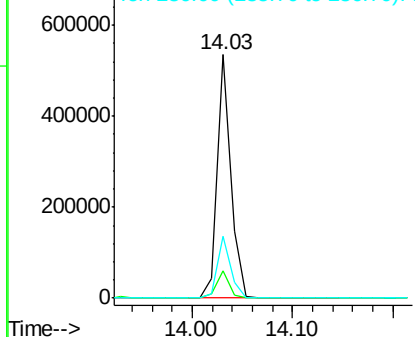


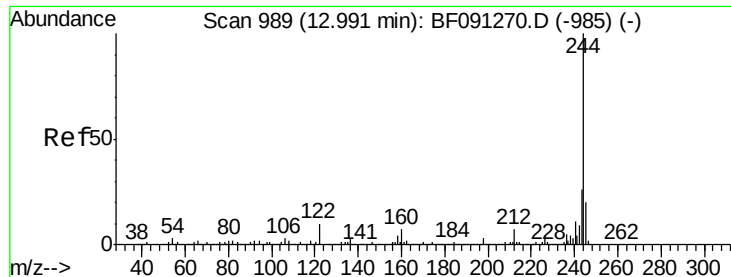
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 1080
Delta R.T. -0.01 min
Lab File: BF091291.D
Acq: 23 Nov 2016 22:48

Tgt Ion:240 Resp: 503227
Ion Ratio Lower Upper
240 100
120 11.1 12.1 18.1#
236 25.2 21.0 31.6



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: 63.92 ng

RT: 12.99 min Scan# 989

Delta R.T. 0.00 min

Lab File: BF091291.D

Acq: 23 Nov 2016 22:48

Instrument :

BNA_F

ClientSampleId :

SB-03(4-6)

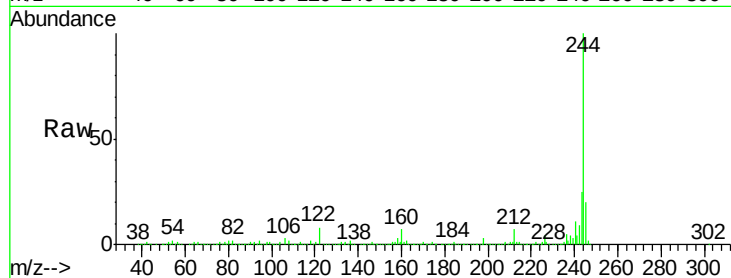
Tgt Ion:244 Resp: 1408391

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

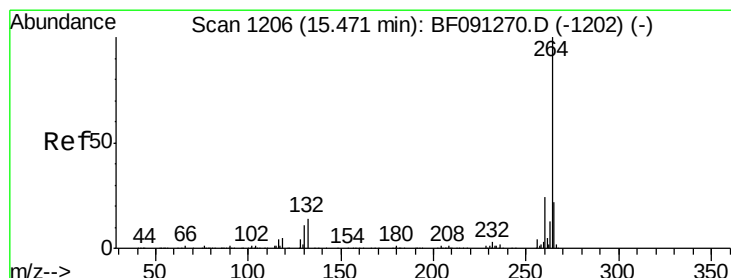
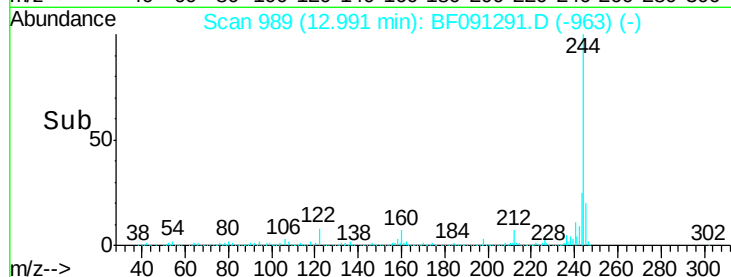
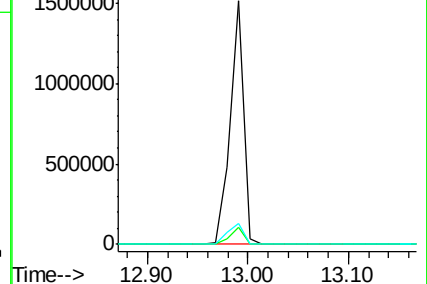
122 8.4 9.5 14.3#



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: 15.47 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BF091291.D

Acq: 23 Nov 2016 22:48

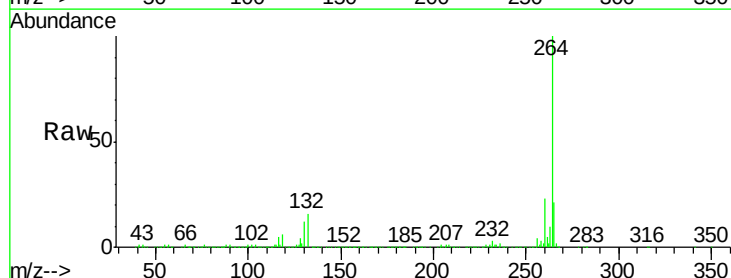
Tgt Ion:264 Resp: 504859

Ion Ratio Lower Upper

264 100

260 23.1 18.8 28.2

265 21.4 17.0 25.6



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

