

Data Path : Z:\HPCHEM1\BNA F\Data\BF113016\
 Data File : BF091345.D
 Acq On : 30 Nov 2016 10:59
 Operator : UM/SJ
 Sample : PB94951BL
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 30 17:48:31 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

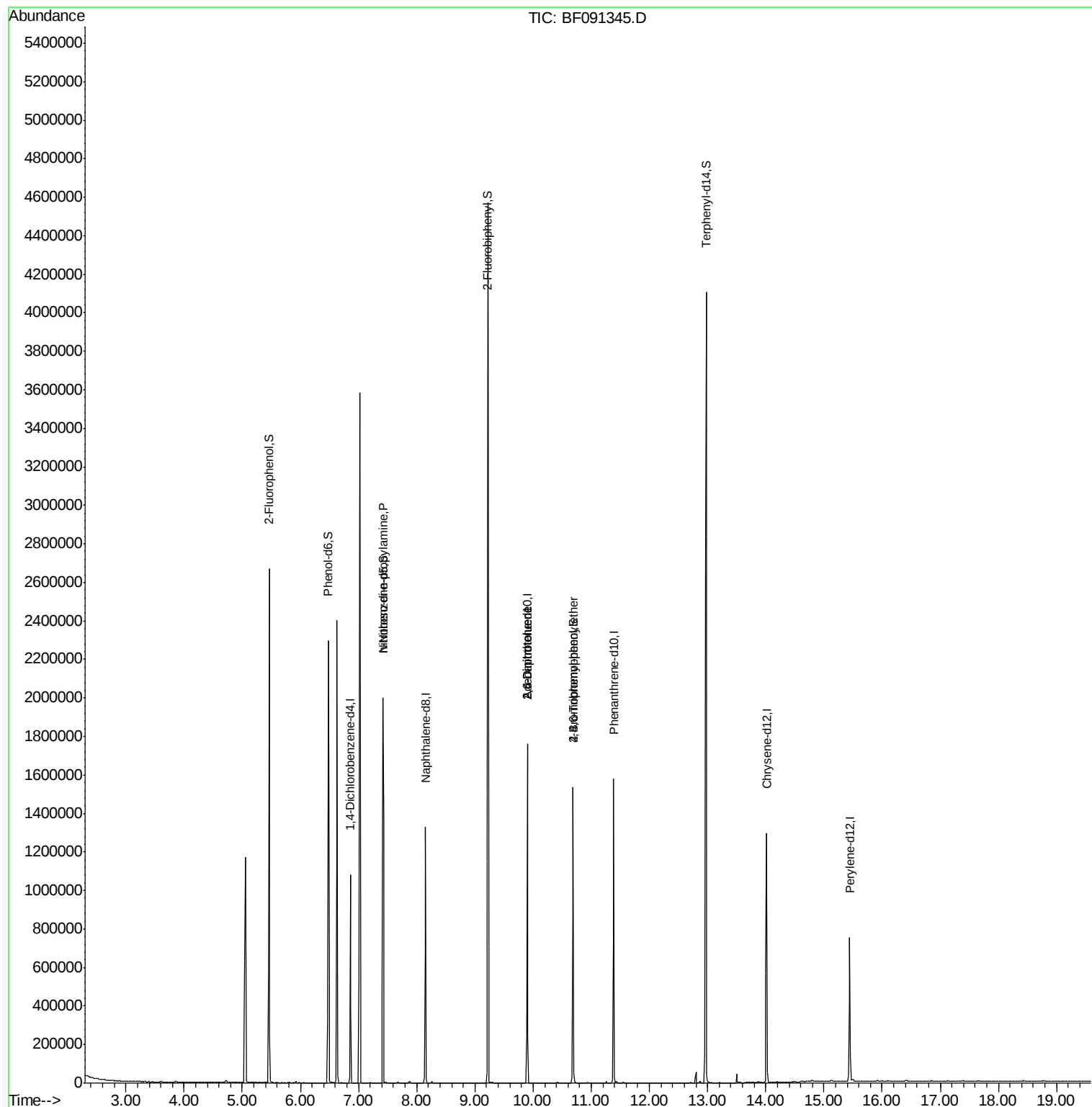
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	162492	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	693700	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	377007	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	665703	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	519632	20.00	ng	-0.03
86) Perylene-d12	15.44	264	365908	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	600478	60.37	ng	0.00
7) Phenol-d6	6.48	99	722876	59.04	ng	-0.02
23) Nitrobenzene-d5	7.42	82	830105	67.06	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	229857	64.40	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	1497052	71.90	ng	-0.02
78) Terphenyl-d14	12.97	244	1745583	73.01	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	110938	14.38	ng	# 73
50) 2,6-Dinitrotoluene	9.90	165	48206	9.45	ng	# 16
56) 2,4-Dinitrotoluene	9.90	165	48208	7.28	ng	# 33
66) 4-Bromophenyl-phenylether	10.69	248	14555	2.03	ng	# 1

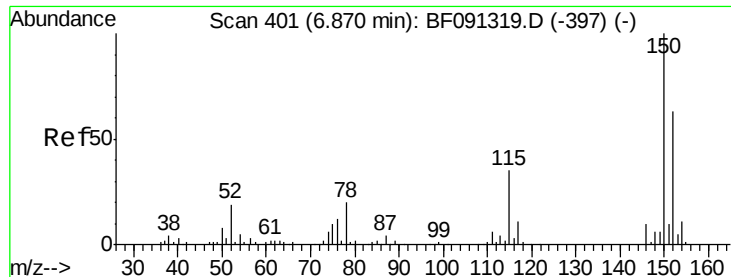
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF091345.D

Acq: 30 Nov 2016 10:59

Instrument :

BNA_F

ClientSampleId :

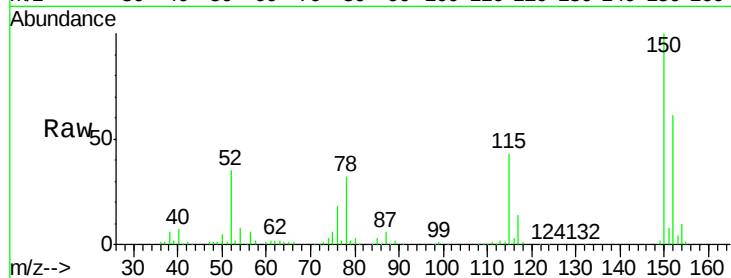
Tot Ion:152 Resp: 162492

Ion Ratio Lower Upper

152 100

150 163.2 122.5 183.7

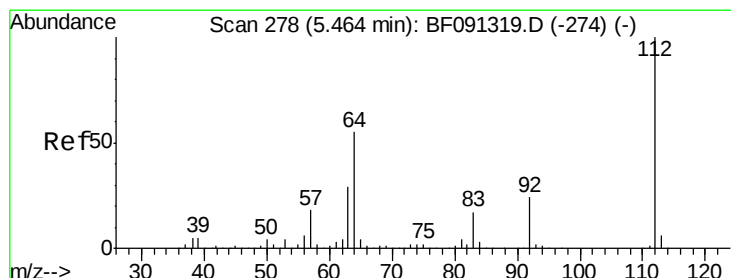
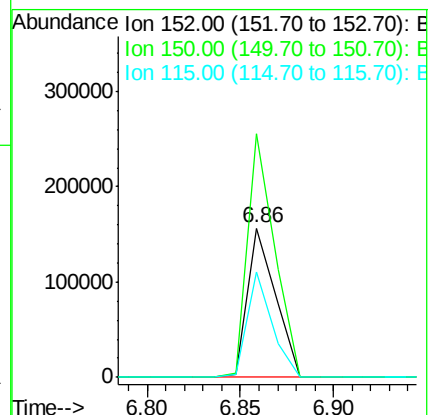
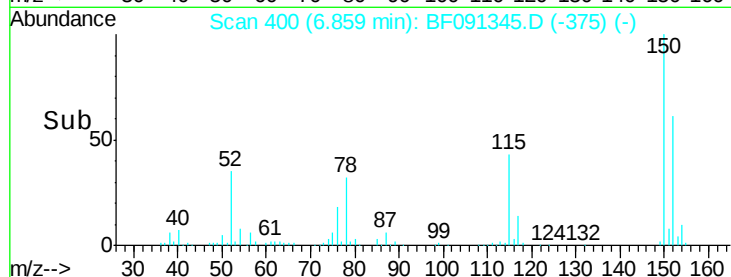
115 70.5 51.8 77.8



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: 60.37 ng

RT: 5.46 min Scan# 278

Delta R.T. -0.00 min

Lab File: BF091345.D

Acq: 30 Nov 2016 10:59

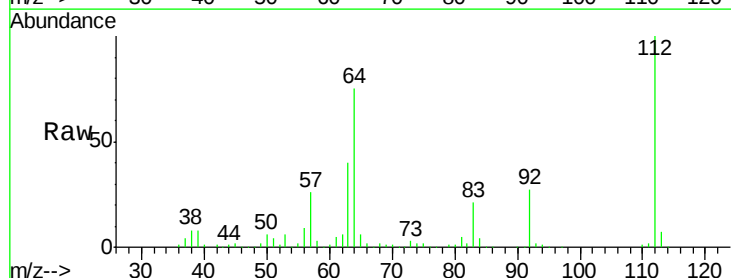
Tgt Ion:112 Resp: 600478

Ion Ratio Lower Upper

112 100

64 74.7 61.5 92.3

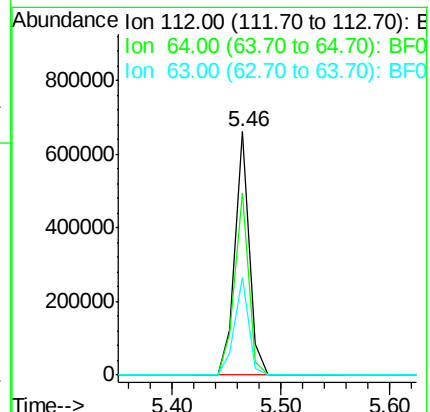
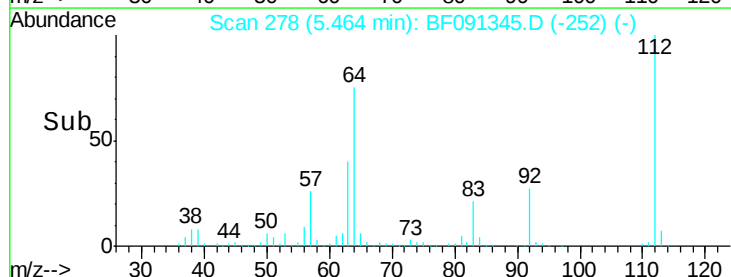
63 40.1 33.3 49.9

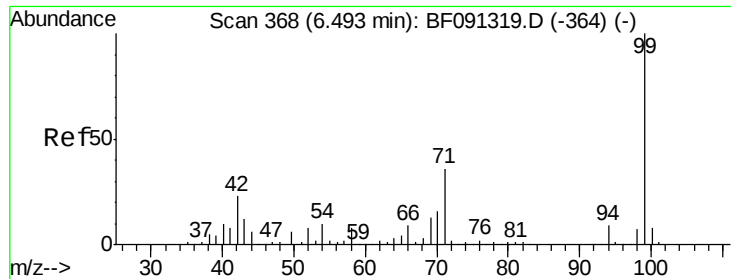


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 59.04 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.02 min

Lab File: BF091345.D

Acq: 30 Nov 2016 10:59

Instrument :

BNA_F

ClientSampled :

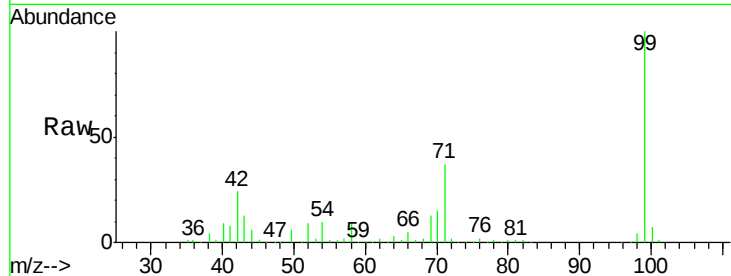
Tot Ion: 99 Resp: 722876

Ion Ratio Lower Upper

99 100

42 24.1 20.6 31.0

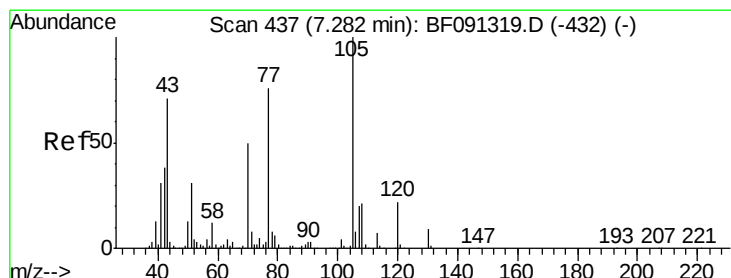
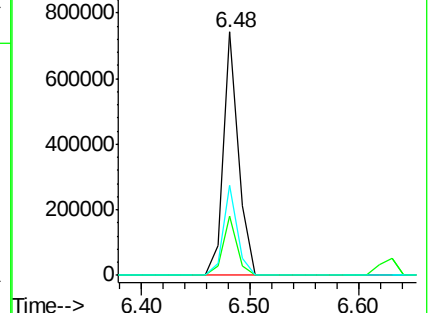
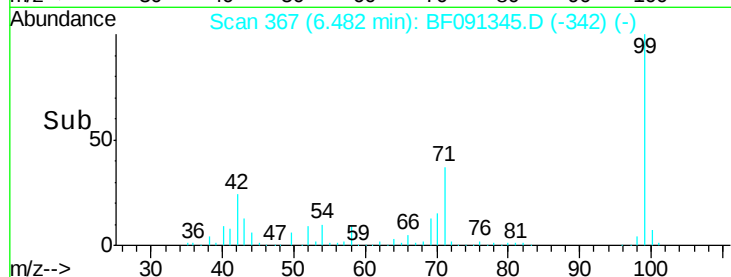
71 37.0 29.9 44.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.38 ng

RT: 7.42 min Scan# 449

Delta R.T. 0.12 min

Lab File: BF091345.D

Acq: 30 Nov 2016 10:59

Tgt Ion: 70 Resp: 110938

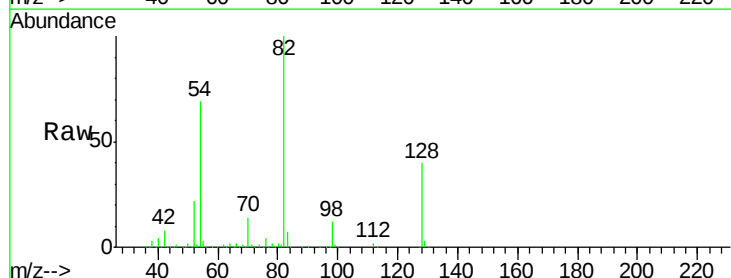
Ion Ratio Lower Upper

70 100

42 57.1 64.8 97.2#

101 0.0 6.2 9.4#

130 2.2 11.7 17.5#

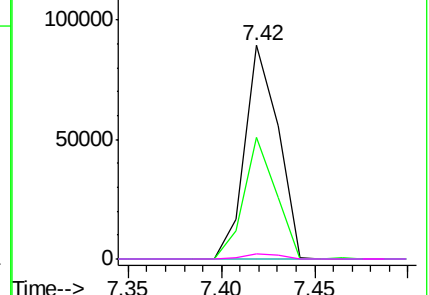
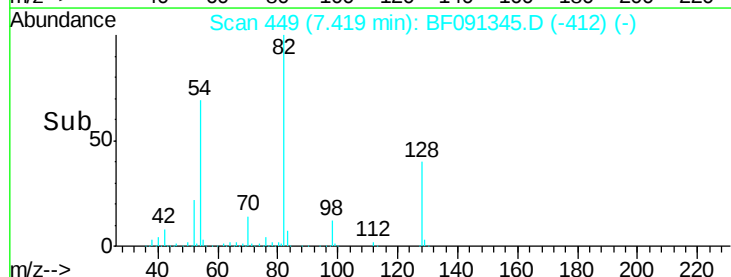


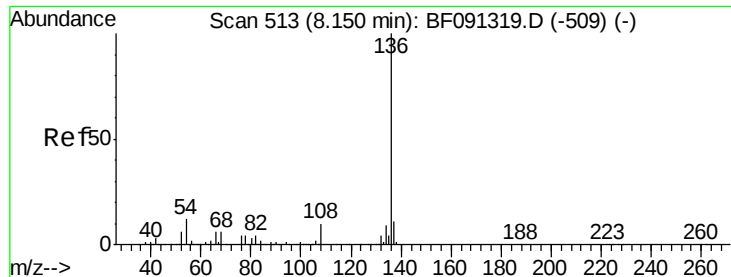
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.15 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF091345.D

Acq: 30 Nov 2016 10:59

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 693700

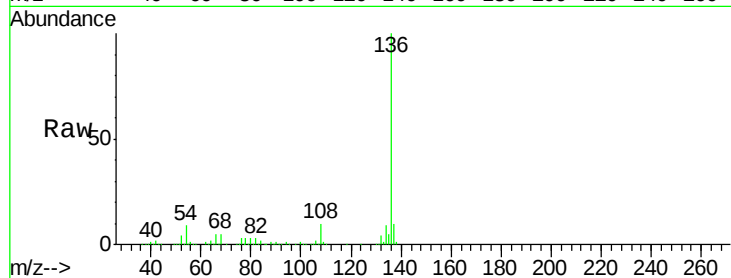
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 9.0 9.1 13.7#

68 4.5 5.9 8.9#



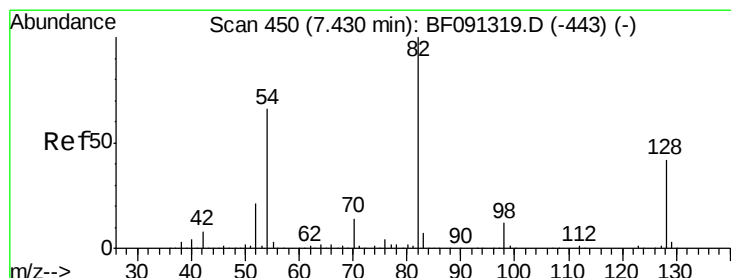
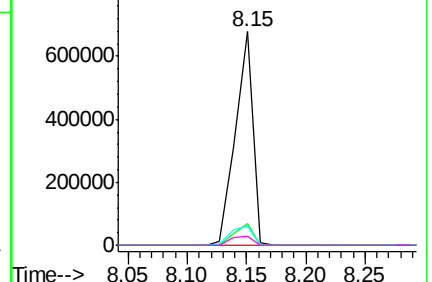
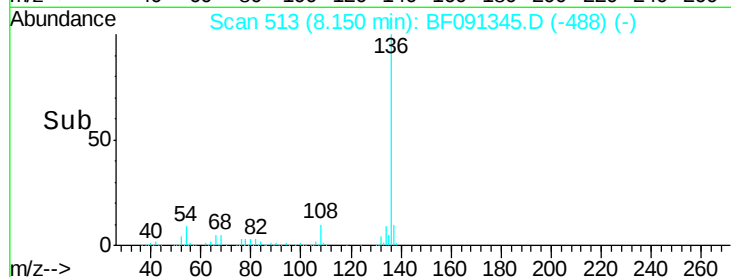
Abundance

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: 67.06 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.03 min

Lab File: BF091345.D

Acq: 30 Nov 2016 10:59

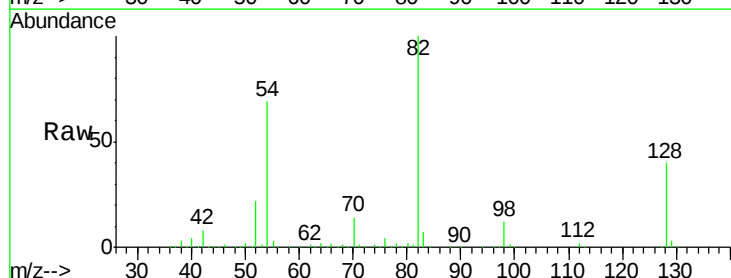
Tgt Ion: 82 Resp: 830105

Ion Ratio Lower Upper

82 100

128 40.0 31.8 47.6

54 69.1 49.1 73.7

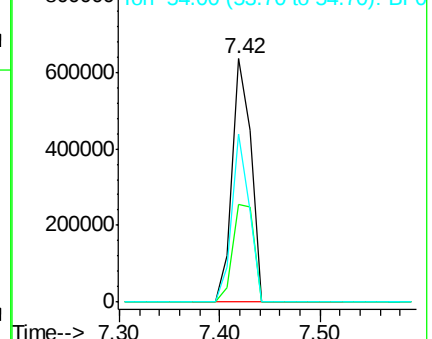
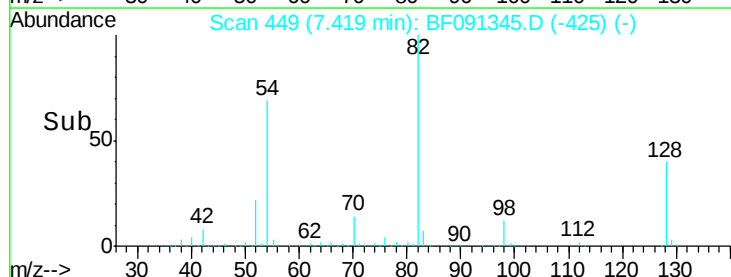


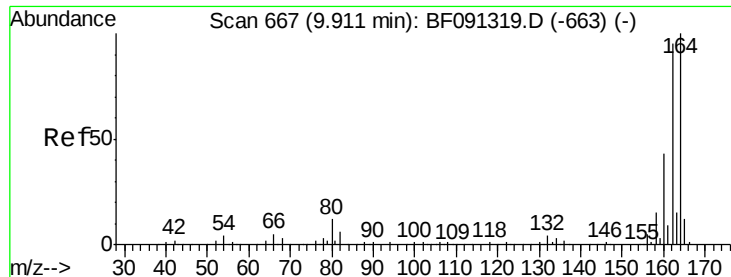
Abundance

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

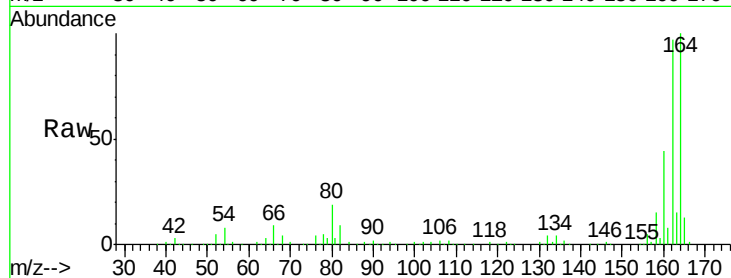




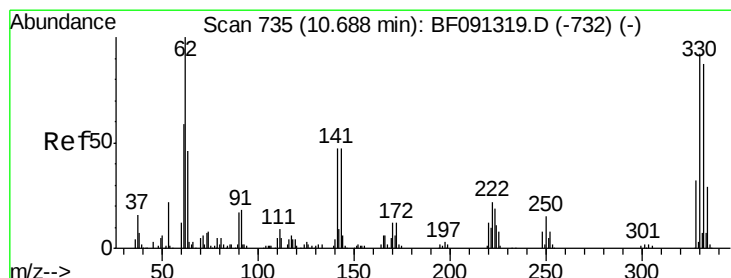
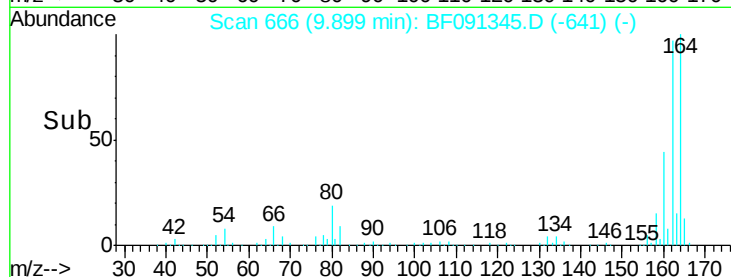
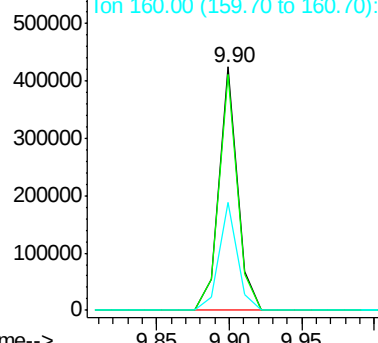
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 666
Delta R.T. -0.02 min
Lab File: BF091345.D
Acq: 30 Nov 2016 10:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 377007
Ion Ratio Lower Upper
164 100
162 96.9 82.6 124.0
160 44.1 36.7 55.1

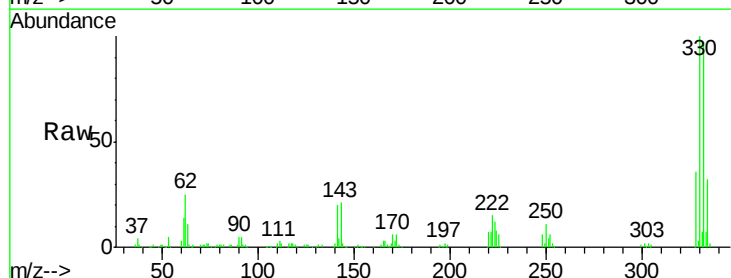


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

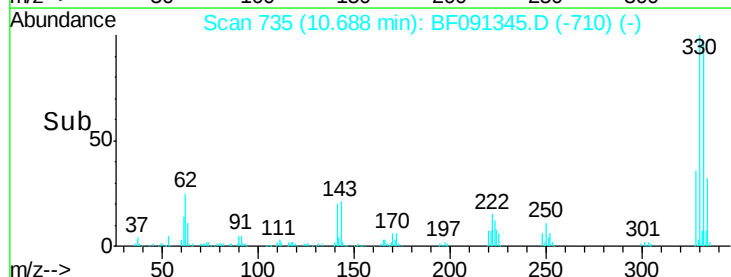
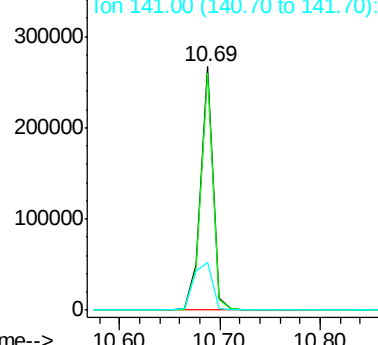


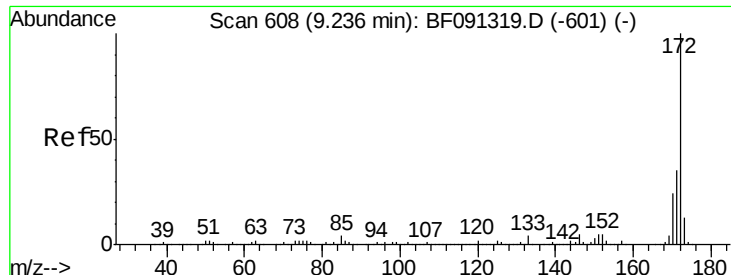
#41
2,4,6-Tribromophenol
Concen: 64.40 ng
RT: 10.69 min Scan# 735
Delta R.T. -0.02 min
Lab File: BF091345.D
Acq: 30 Nov 2016 10:59

Tgt Ion:330 Resp: 229857
Ion Ratio Lower Upper
330 100
332 96.3 76.2 114.4
141 29.7 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

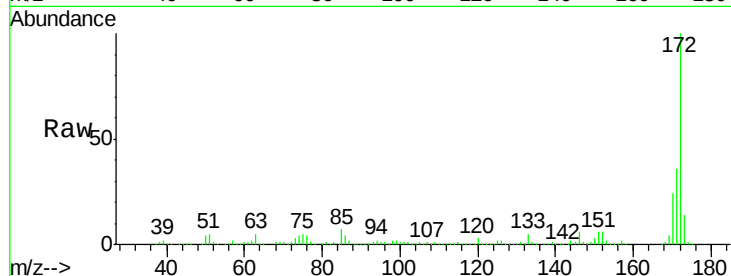




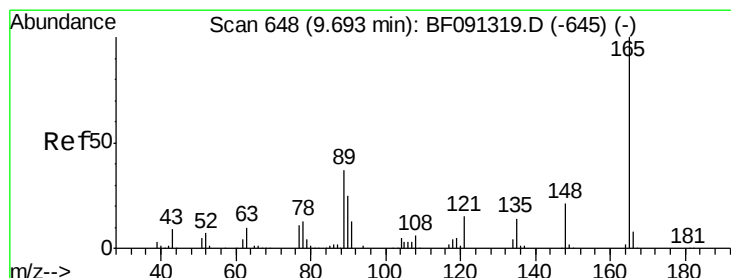
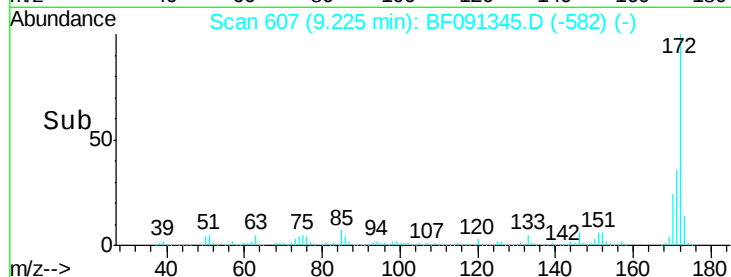
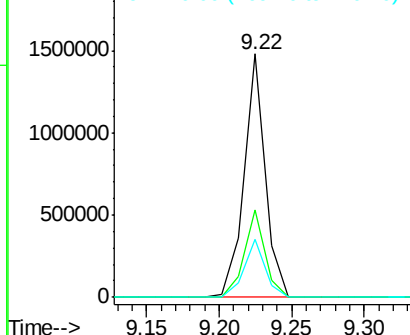
#44
2-Fluorobiphenyl
Concen: 71.90 ng
RT: 9.22 min Scan# 607
Delta R.T. -0.02 min
Lab File: BF091345.D
Acq: 30 Nov 2016 10:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1497052
Ion Ratio Lower Upper
172 100
171 35.9 29.4 44.0
170 24.0 19.7 29.5

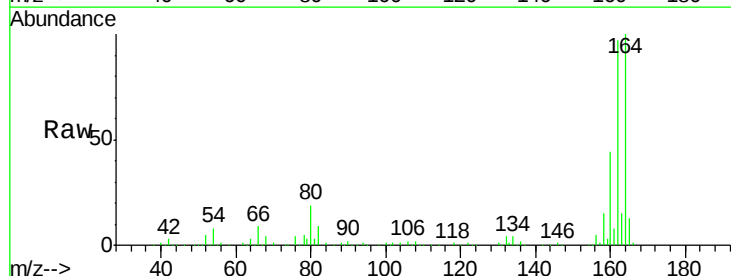


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

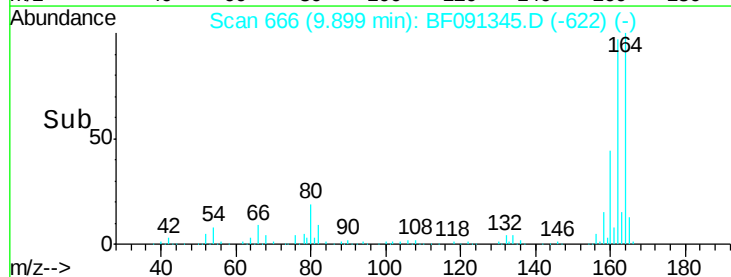
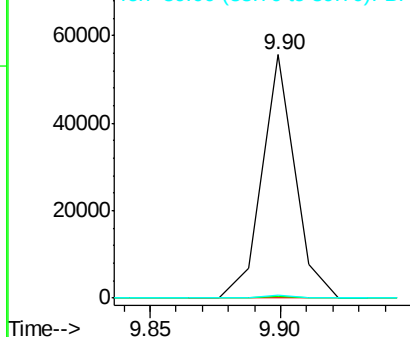


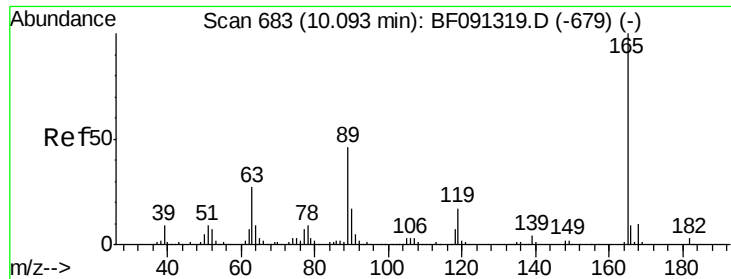
#50
2,6-Dinitrotoluene
Concen: 9.45 ng
RT: 9.90 min Scan# 666
Delta R.T. 0.20 min
Lab File: BF091345.D
Acq: 30 Nov 2016 10:59

Tgt Ion:165 Resp: 48206
Ion Ratio Lower Upper
165 100
63 0.9 59.4 89.0#
89 1.0 50.8 76.2#



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

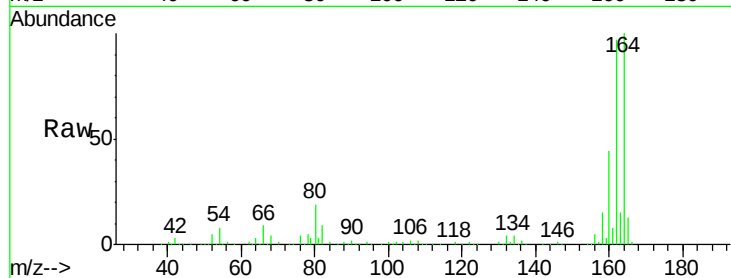




#56
 2,4-Dinitrotoluene
 Concen: 7.28 ng
 RT: 9.90 min Scan# 666
 Delta R.T. -0.20 min
 Lab File: BF091345.D
 Acq: 30 Nov 2016 10:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	48208
Ion Ratio	Lower	Upper
165	100	
63	0.9	29.0 43.4#
89	1.0	43.1 64.7#
182	0.0	1.9 2.9#

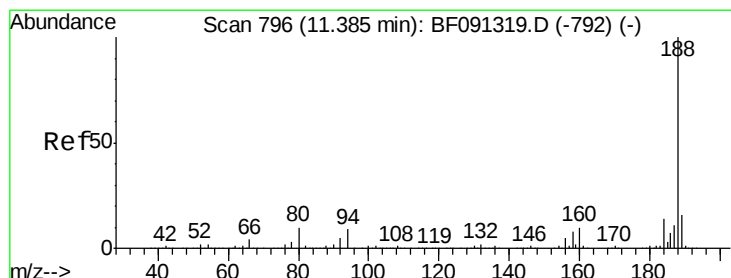
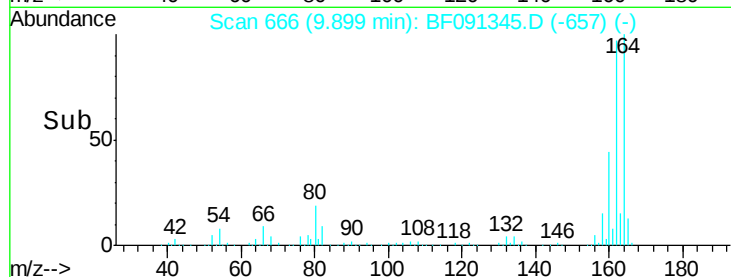
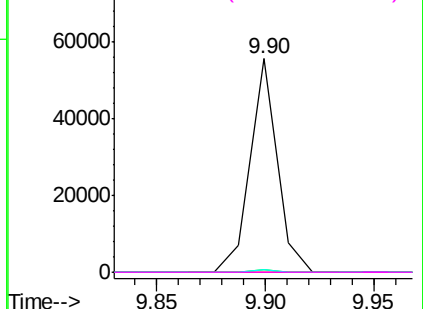


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

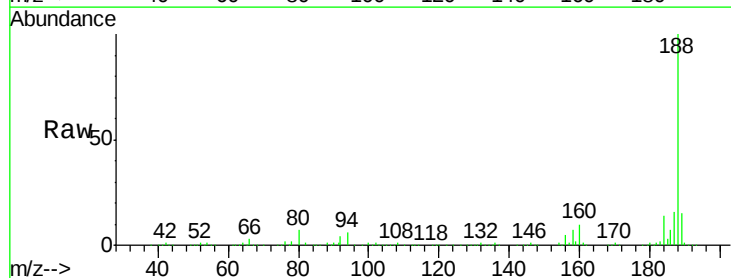
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF091345.D
 Acq: 30 Nov 2016 10:59

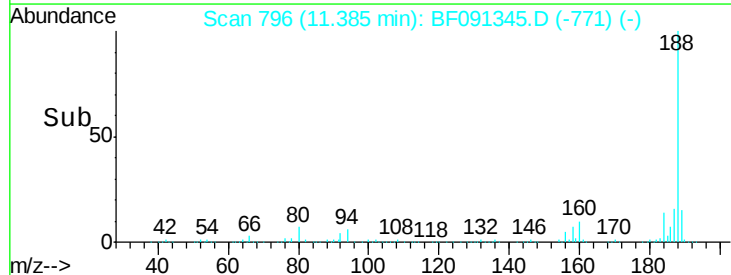
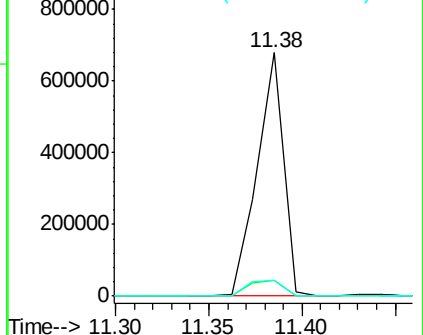
Tgt Ion:188	Resp:	665703
Ion Ratio	Lower	Upper
188	100	
94	6.3	9.2 13.8#
80	6.7	10.5 15.7#

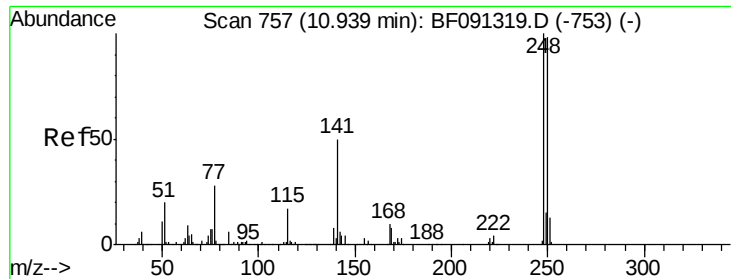


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

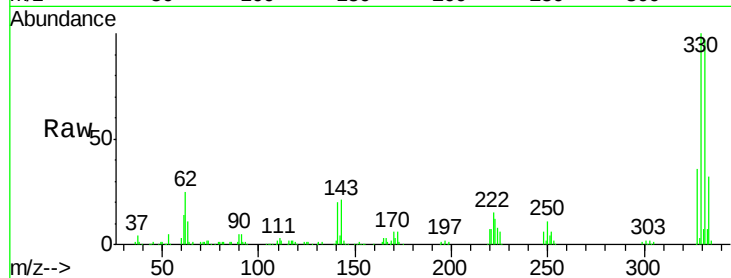




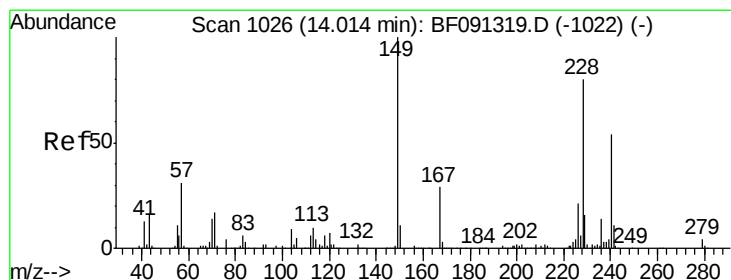
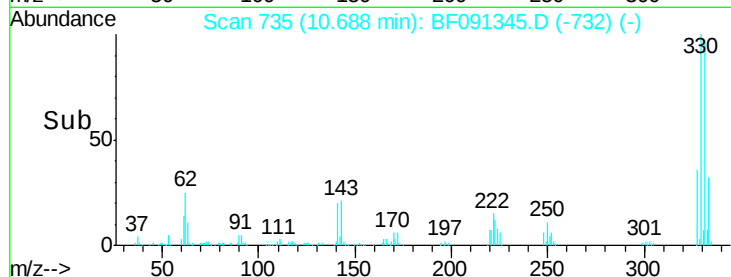
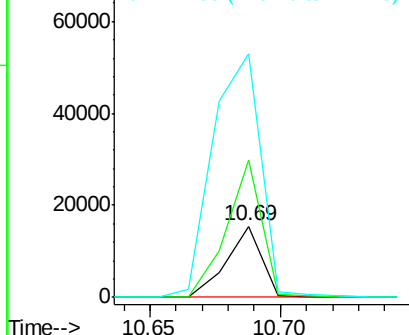
#66
4-Bromophenyl-phenylether
Concen: 2.03 ng
RT: 10.69 min Scan# 735
Delta R.T. -0.27 min
Lab File: BF091345.D
Acq: 30 Nov 2016 10:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14555
Ion Ratio Lower Upper
248 100
250 192.9 78.2 117.4#
141 341.3 71.9 107.9#

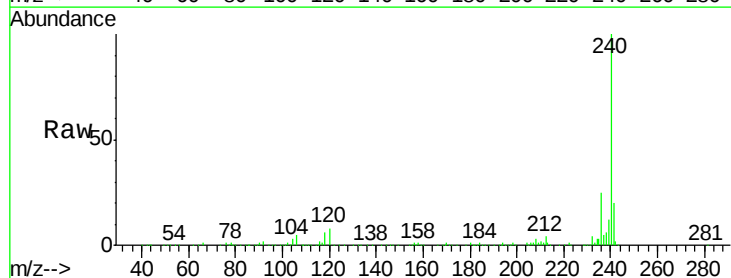


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

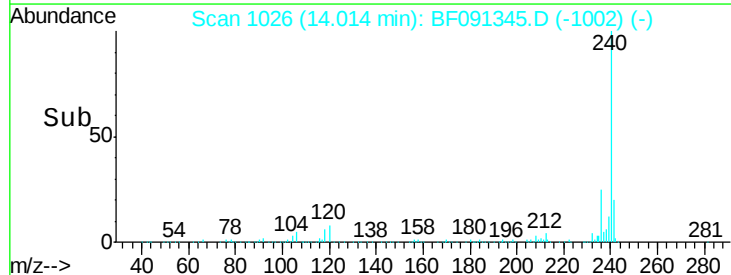
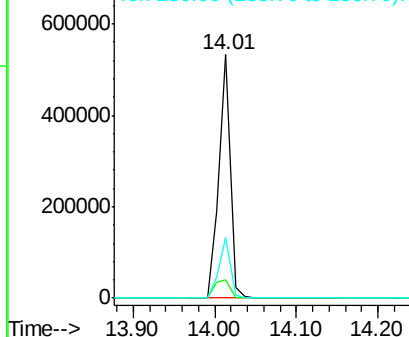


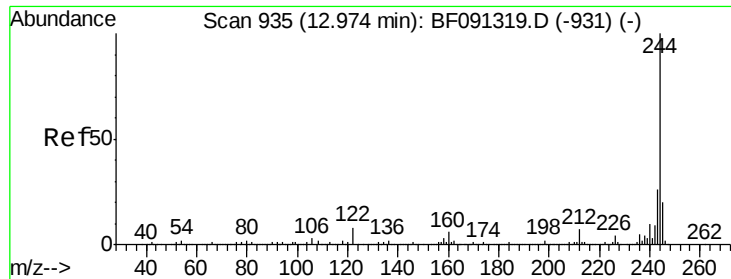
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1026
Delta R.T. -0.03 min
Lab File: BF091345.D
Acq: 30 Nov 2016 10:59

Tgt Ion:240 Resp: 519632
Ion Ratio Lower Upper
240 100
120 7.7 12.1 18.1#
236 25.0 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



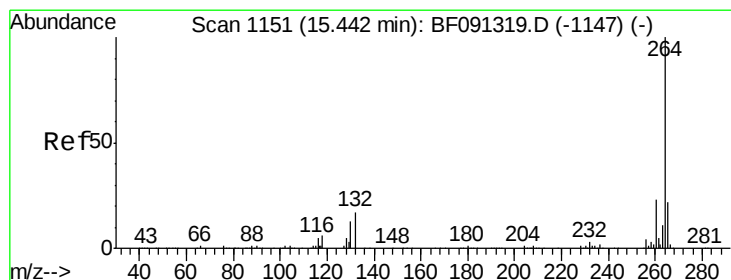
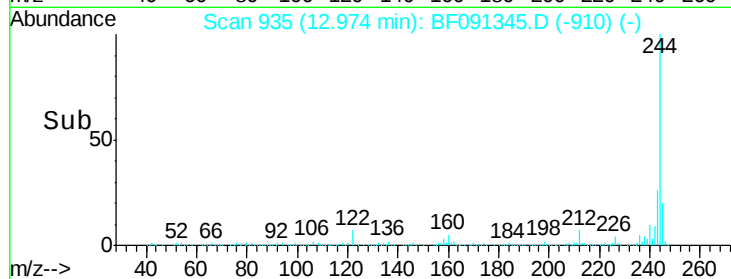
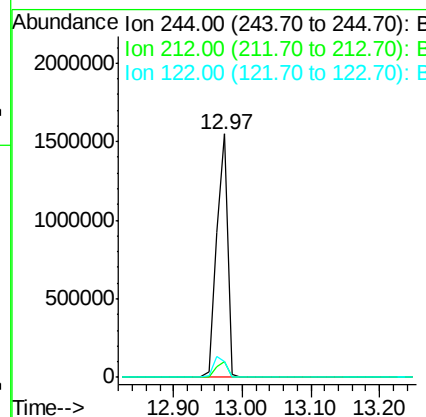
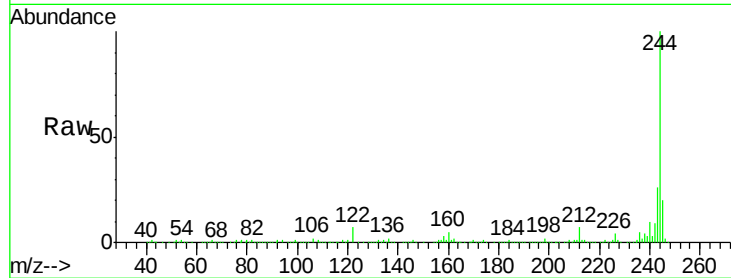


#78
 Terphenyl-d14
 Concen: 73.01 ng
 RT: 12.97 min Scan# 935
 Delta R.T. -0.02 min
 Lab File: BF091345.D
 Acq: 30 Nov 2016 10:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1745583

Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.5	9.7
122	6.5	9.5	14.3#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1151
 Delta R.T. -0.03 min
 Lab File: BF091345.D
 Acq: 30 Nov 2016 10:59

Tgt Ion:264 Resp: 365908

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	21.4	17.0	25.6

