

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099134.D
 Acq On : 6 Oct 2017 7:43
 Operator : SJ/JU
 Sample : I5644-12
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 06 08:11:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

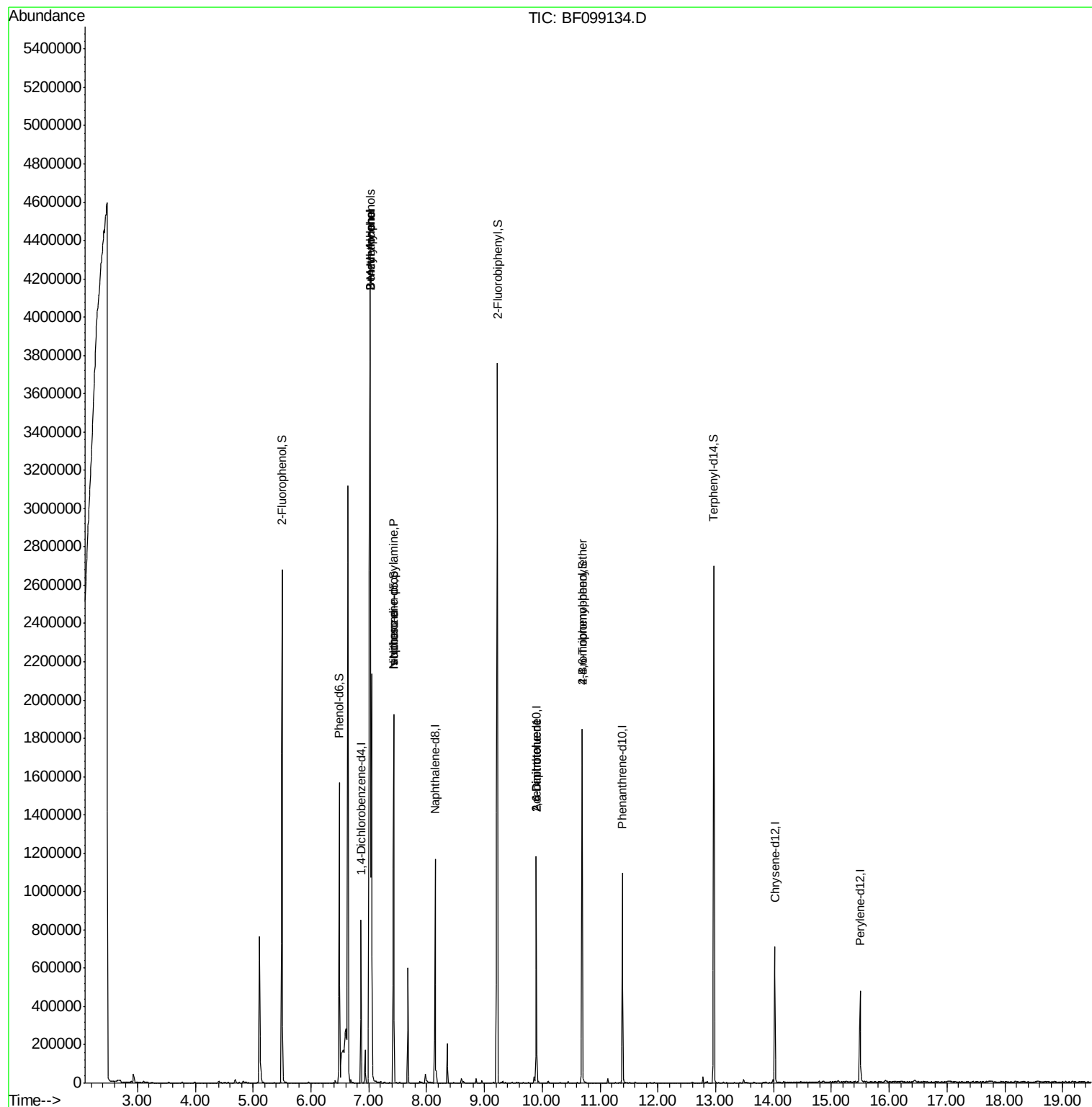
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	118996	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	491667	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	220294	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	359566	20.00	ng	0.00
75) Chrysene-d12	14.02	240	233321	20.00	ng	-0.01
86) Perylene-d12	15.50	264	216437	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	871020	116.52	ng	0.02
7) Phenol-d6	6.49	99	514638	55.81	ng	0.00
23) Nitrobenzene-d5	7.43	82	714855	93.24	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	225335	125.01	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1250651	94.78	ng	0.00
78) Terphenyl-d14	12.97	244	922454	89.91	ng	0.00
Target Compounds						
15) Benzyl Alcohol	7.02	79	917239	135.59	ng	Qvalue 97
17) 2-Methylphenol	7.02	107	540728	78.07	ng	# 24
19) n-Nitroso-di-n-propylamine	7.43	70	91611	15.56	ng	# 74
20) 3+4-Methylphenols	7.02	107	540723	61.71	ng	# 1
25) Isophorone	7.43	82	714842	45.10	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	28241	7.80	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	28241	6.01	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	14704	4.18	ng	# 1

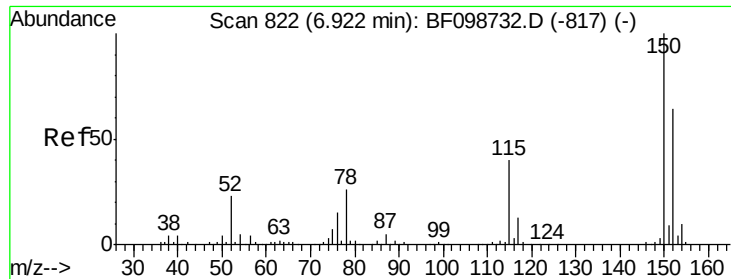
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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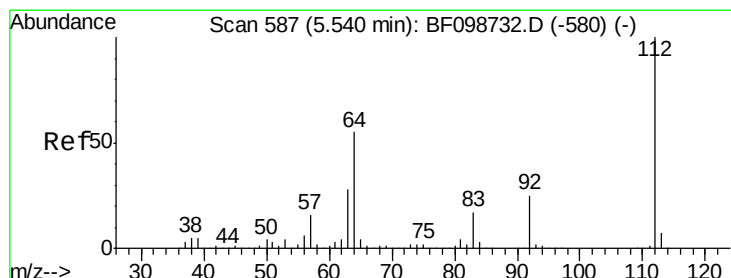
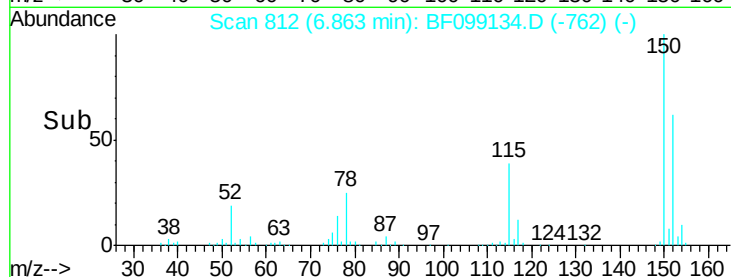
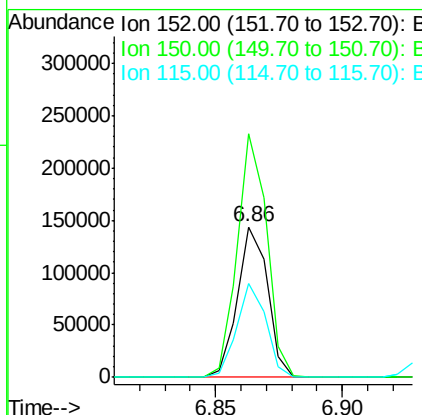
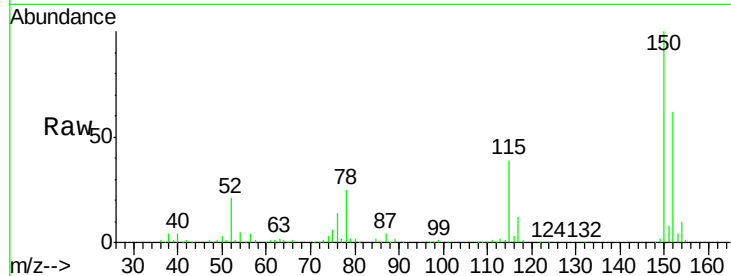


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099134.D
Acq: 6 Oct 2017 7:43

Instrument :
BNA_F
ClientSampleId :

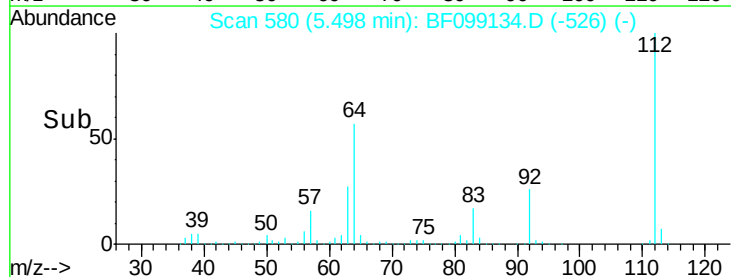
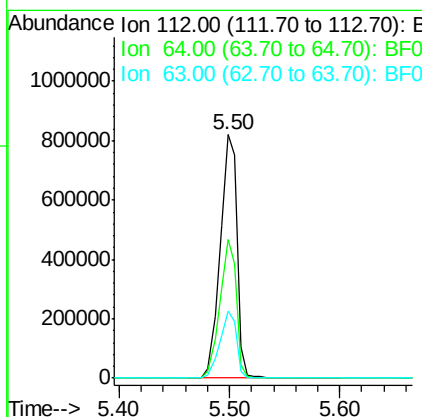
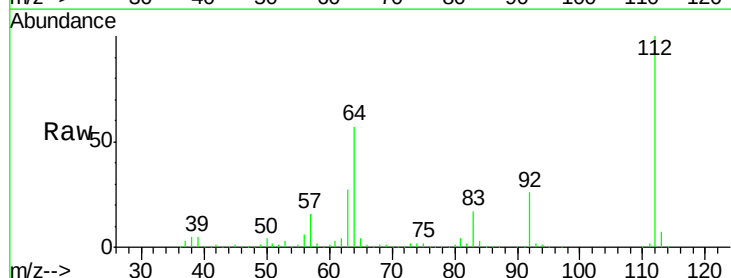
Tot Ion:152 Resp: 118996
Ion Ratio Lower Upper
152 100
150 161.5 124.6 186.8
115 62.3 50.1 75.1

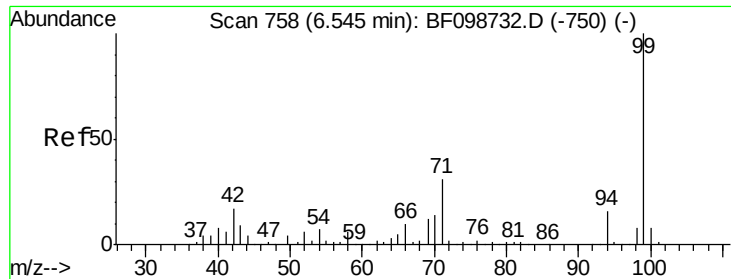


#5

2-Fluorophenol
Concen: 116.52 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.02 min
Lab File: BF099134.D
Acq: 6 Oct 2017 7:43

Tgt Ion:112 Resp: 871020
Ion Ratio Lower Upper
112 100
64 57.0 47.9 71.9
63 27.4 23.7 35.5





#7

Phenol-d6

Concen: 55.81 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099134.D

Acq: 6 Oct 2017 7:43

Instrument :

BNA_F

ClientSampleId :

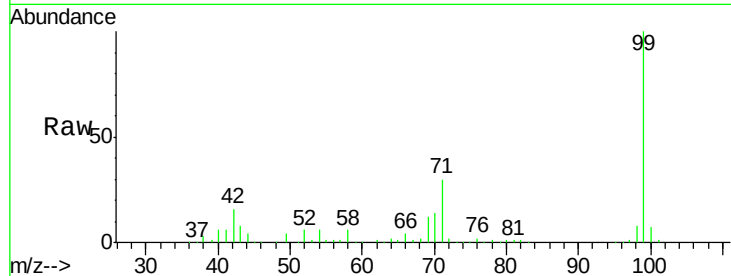
Tot Ion: 99 Resp: 514638

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

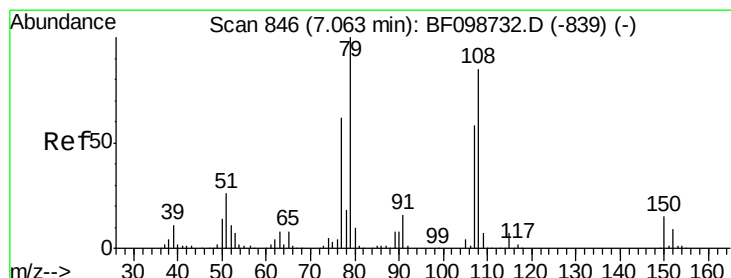
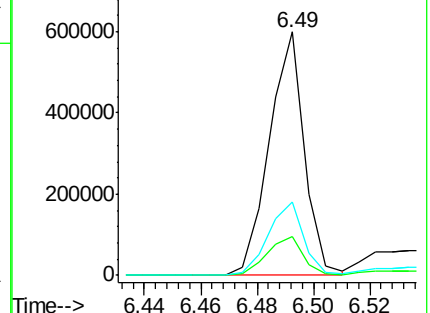
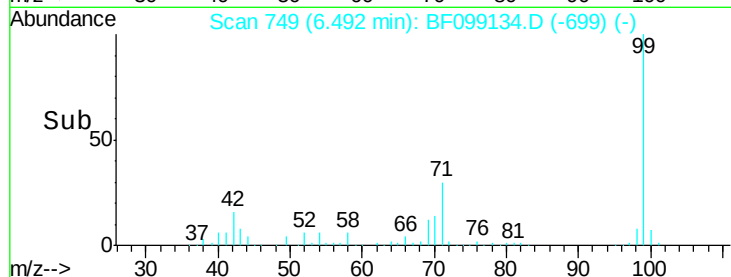
71 30.2 25.4 38.0



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: 135.59 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.01 min

Lab File: BF099134.D

Acq: 6 Oct 2017 7:43

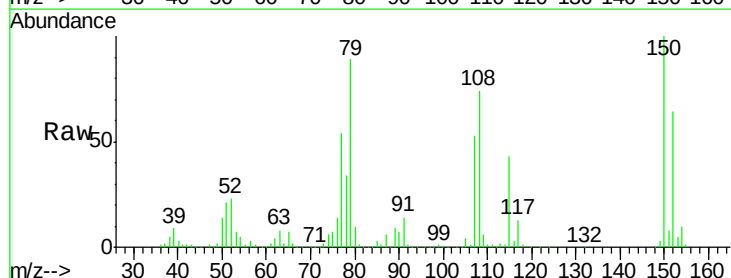
Tgt Ion: 79 Resp: 917239

Ion Ratio Lower Upper

79 100

108 83.4 65.1 97.7

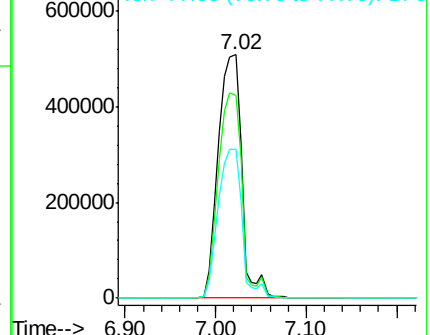
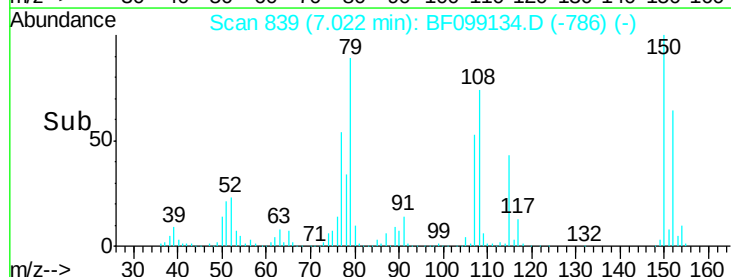
77 61.0 50.6 75.8

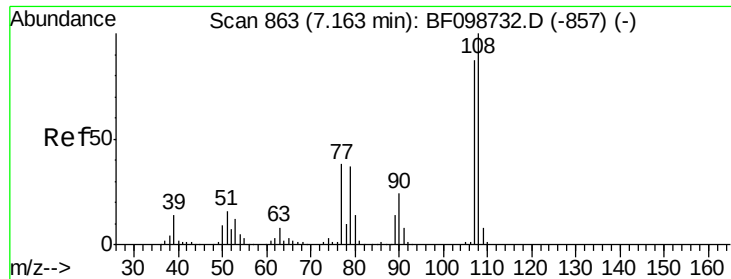


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

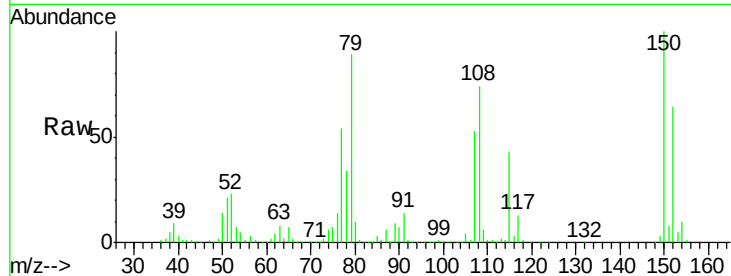




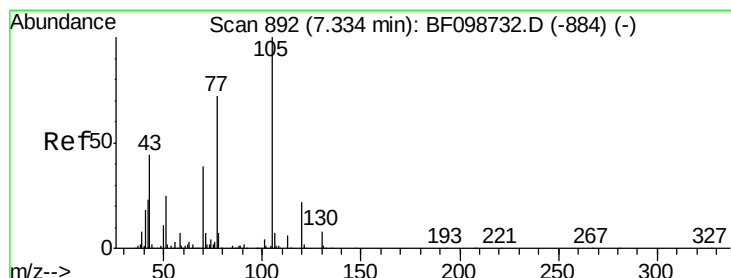
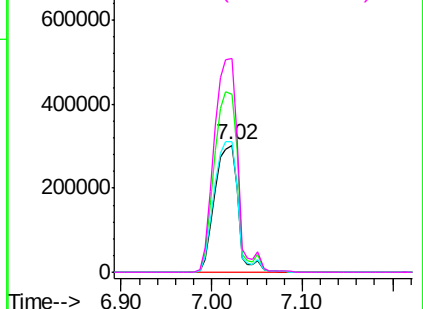
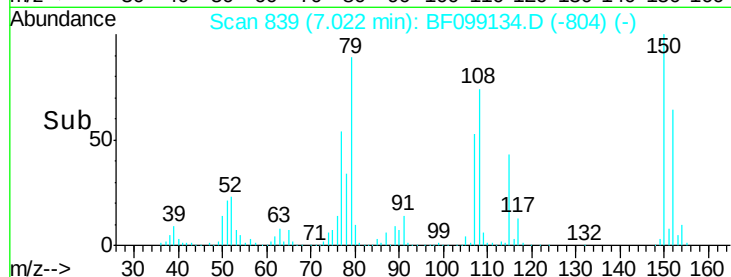
#17
2-Methylphenol
Concen: 78.07 ng
RT: 7.02 min Scan# 839
Delta R.T. -0.09 min
Lab File: BF099134.D
Acq: 6 Oct 2017 7:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:107 Resp: 540728
Ion Ratio Lower Upper
107 100
108 140.0 91.7 137.5#
77 102.3 33.8 50.8#
79 167.8 33.8 50.8#

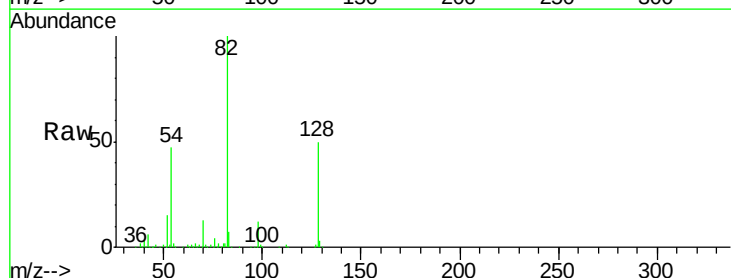


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

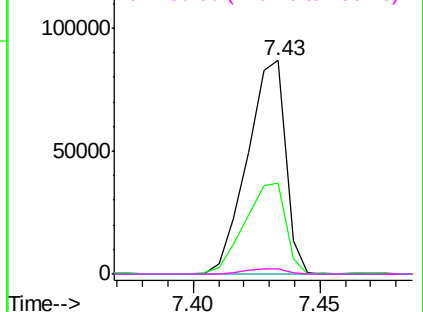
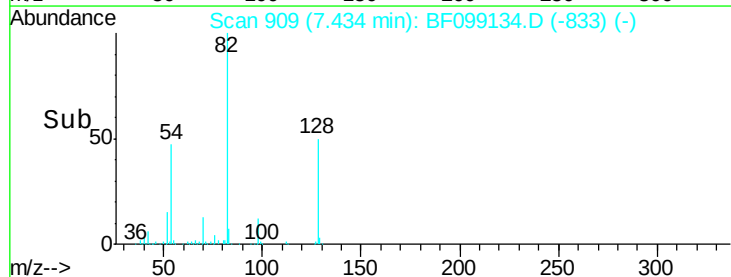


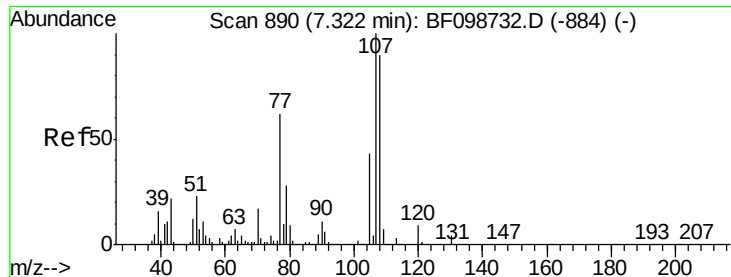
#19
n-Nitroso-di-n-propylamine
Concen: 15.56 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.15 min
Lab File: BF099134.D
Acq: 6 Oct 2017 7:43

Tgt Ion: 70 Resp: 91611
Ion Ratio Lower Upper
70 100
42 42.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



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): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 61.71 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.25 min

Lab File: BF099134.D

Acq: 6 Oct 2017 7:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 540723

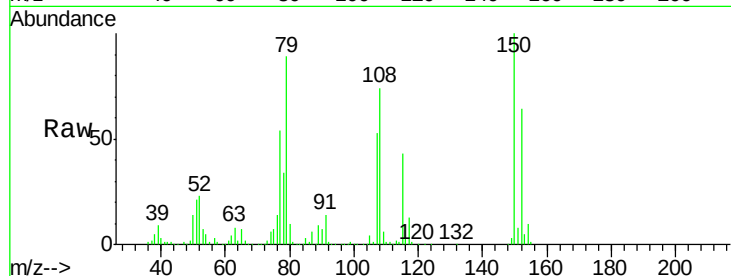
Ion Ratio Lower Upper

107 100

108 140.0 68.2 108.2#

77 102.3 26.7 66.7#

79 167.8 6.3 46.3#

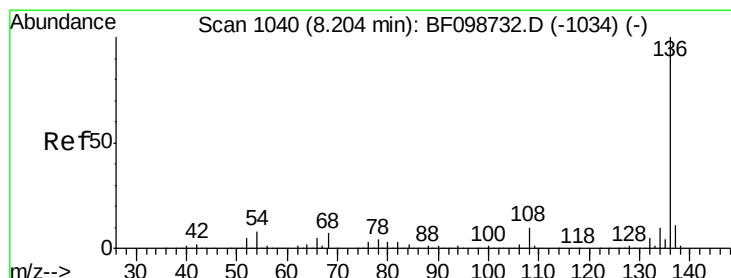
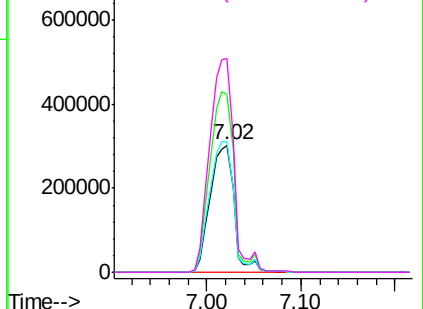
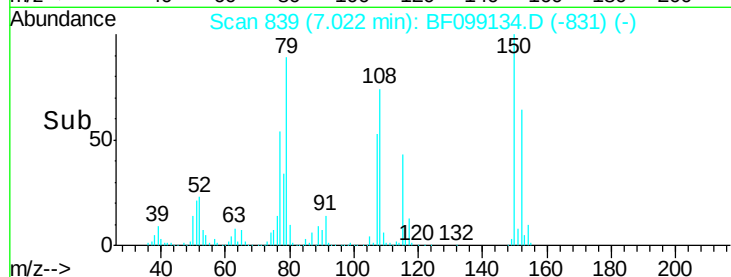


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099134.D

Acq: 6 Oct 2017 7:43

Tgt Ion:136 Resp: 491667

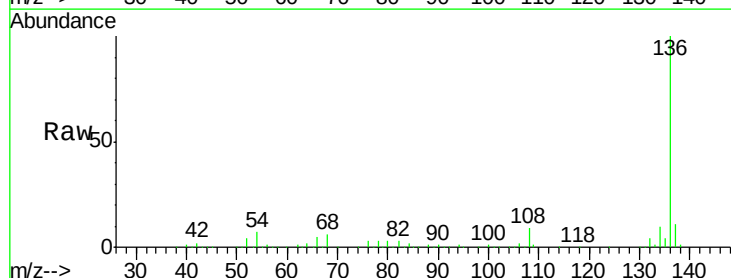
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.4 6.6 9.8

68 6.1 5.0 7.4

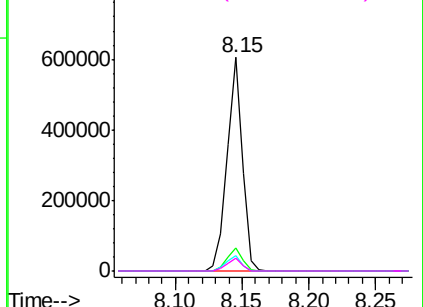
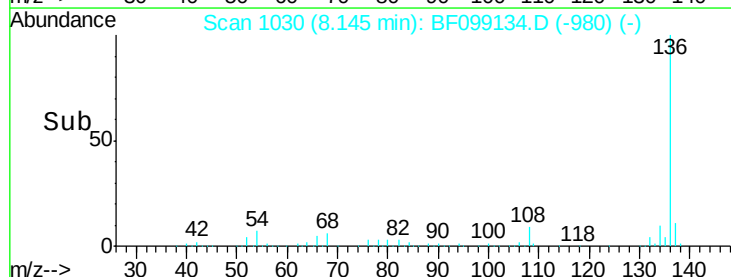


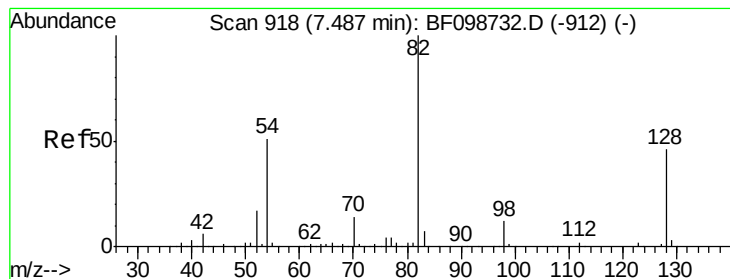
Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.24 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF099134.D

Acq: 6 Oct 2017 7:43

Instrument :

BNA_F

ClientSampleId :

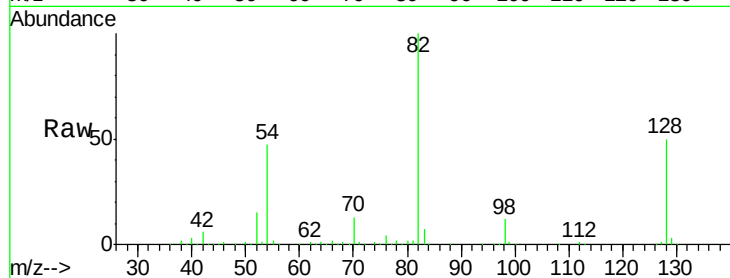
Tot Ion: 82 Resp: 714855

Ion Ratio Lower Upper

82 100

128 49.9 36.1 54.1

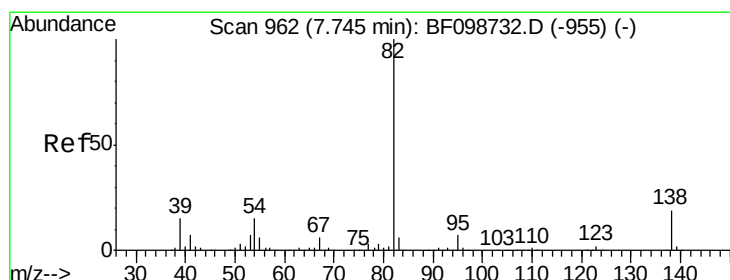
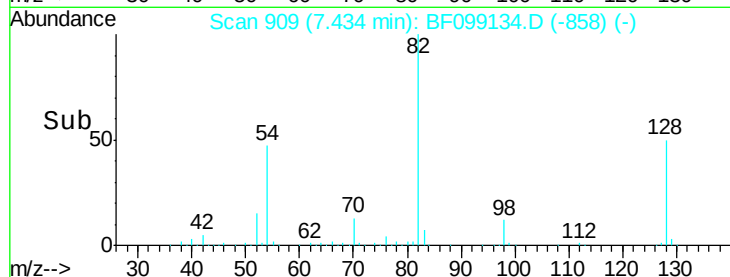
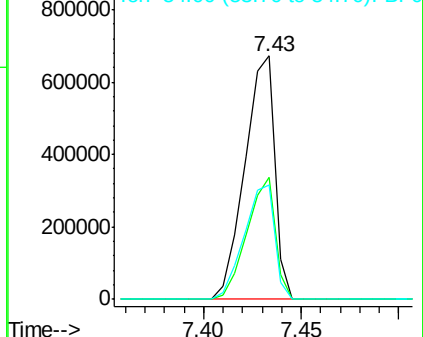
54 46.7 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 45.10 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF099134.D

Acq: 6 Oct 2017 7:43

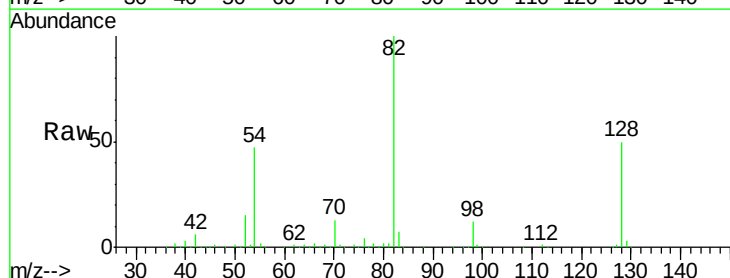
Tgt Ion: 82 Resp: 714842

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

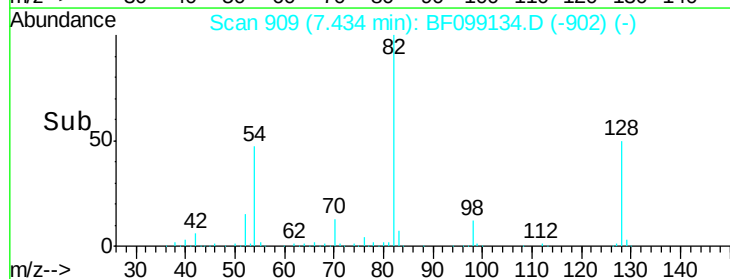
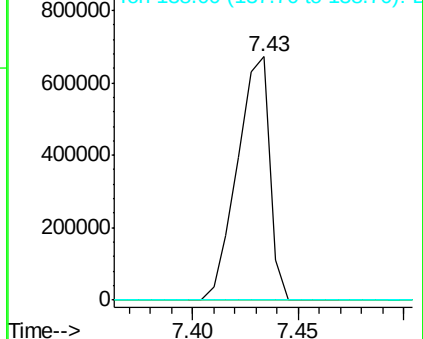
138 0.0 14.9 22.3#

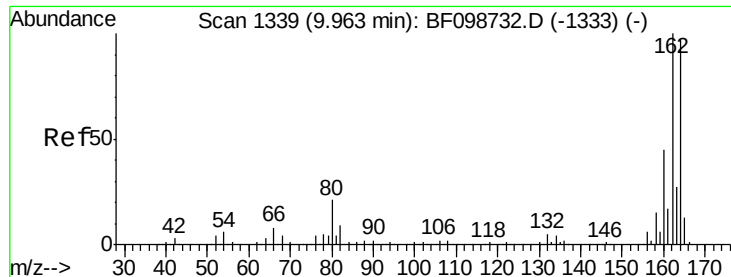


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099134.D

Acq: 6 Oct 2017 7:43

Instrument :

BNA_F

ClientSampleId :

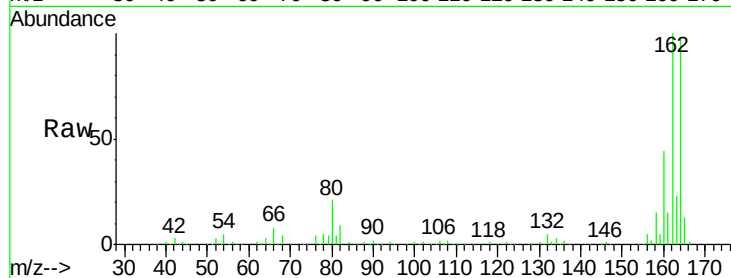
Tot Ion:164 Resp: 220294

Ion Ratio Lower Upper

164 100

162 102.3 86.1 129.1

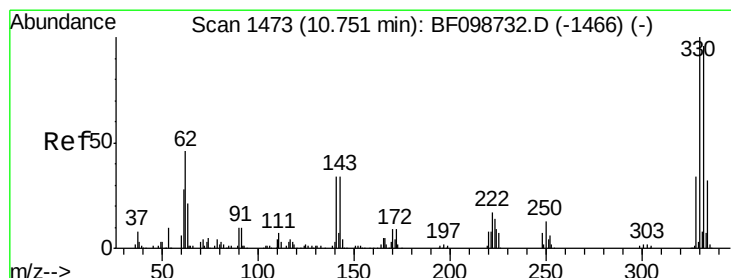
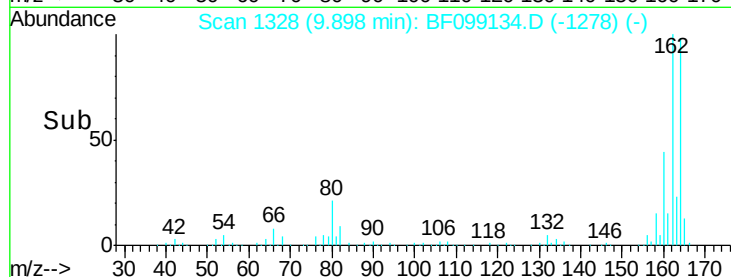
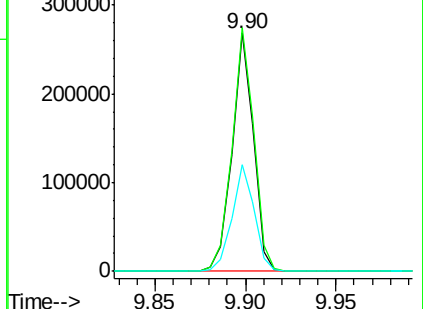
160 44.9 38.3 57.5



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: 125.01 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF099134.D

Acq: 6 Oct 2017 7:43

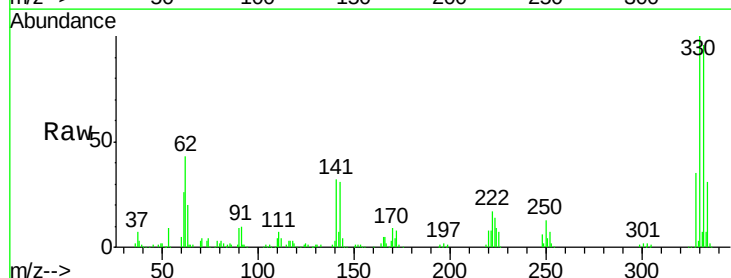
Tgt Ion:330 Resp: 225335

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

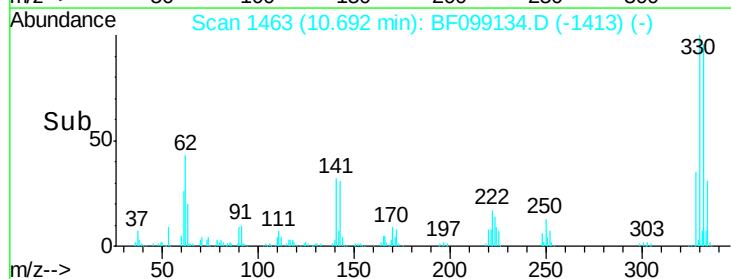
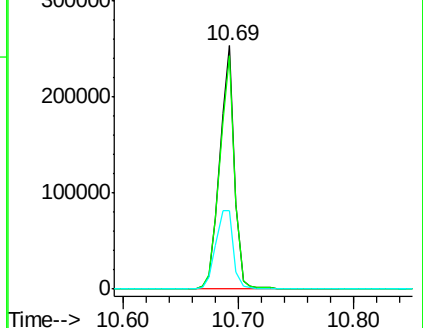
141 39.2 29.9 44.9

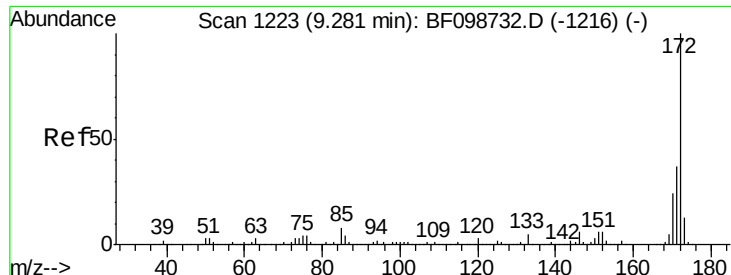


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



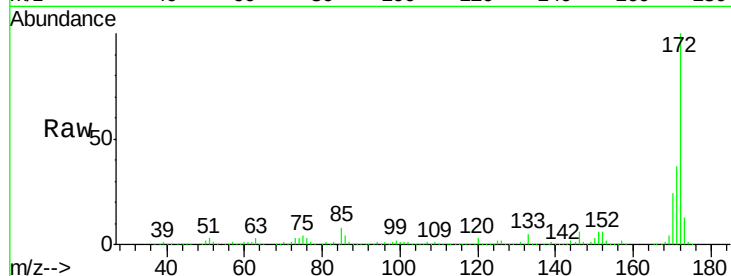


#44
 2-Fluorobiphenyl
 Concen: 94.78 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099134.D
 Acq: 6 Oct 2017 7:43

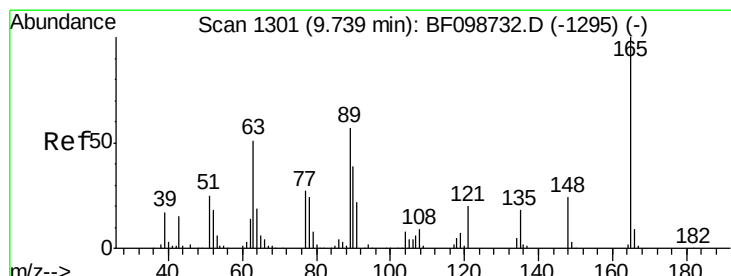
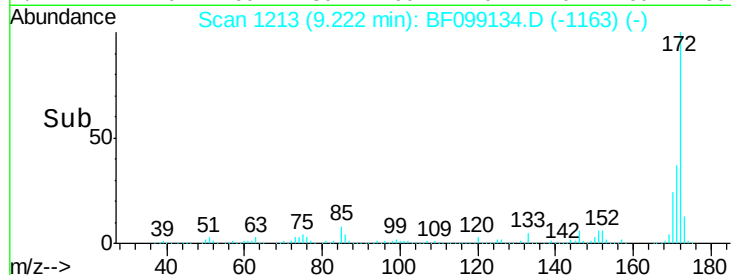
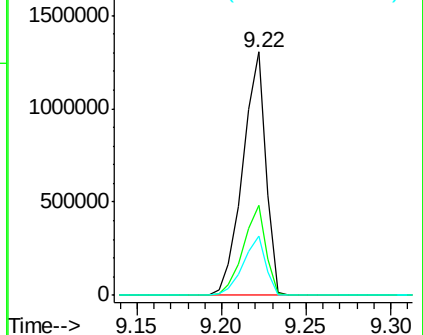
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1250651

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.3	19.6	29.4



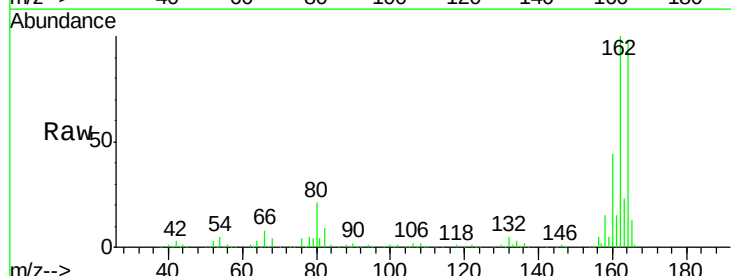
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



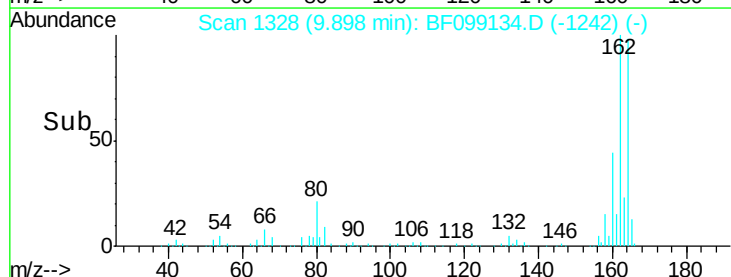
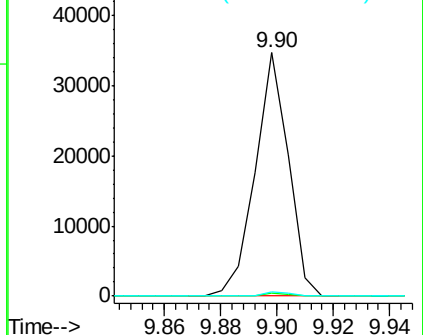
#50
 2,6-Dinitrotoluene
 Concen: 7.80 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099134.D
 Acq: 6 Oct 2017 7:43

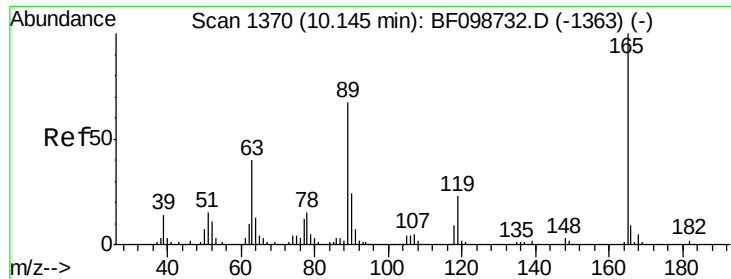
Tgt Ion:165 Resp: 28241

Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.5	44.0	66.0#



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

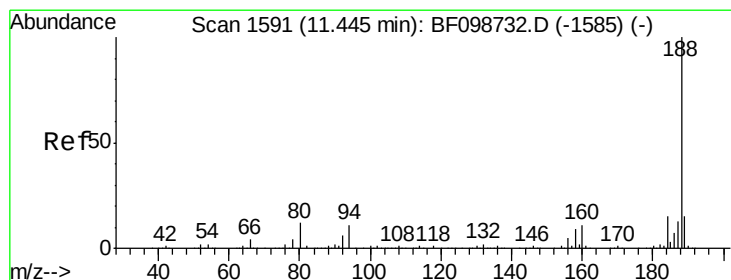
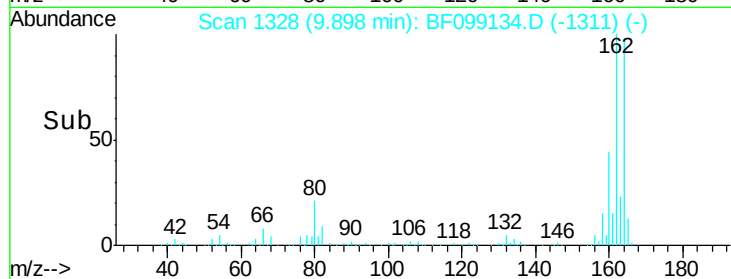
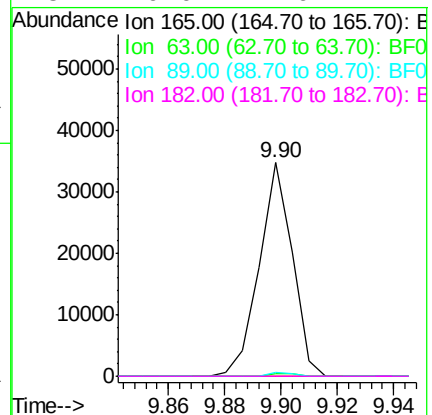
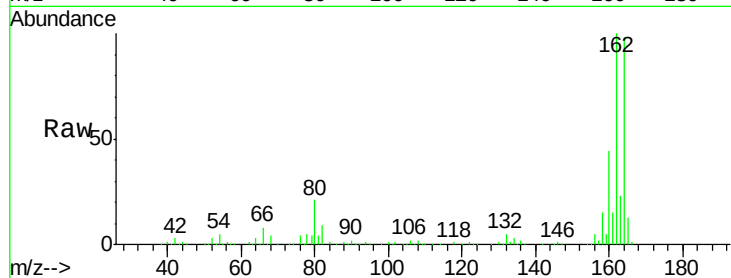




#56
 2,4-Dinitrotoluene
 Concen: 6.01 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099134.D
 Acq: 6 Oct 2017 7:43

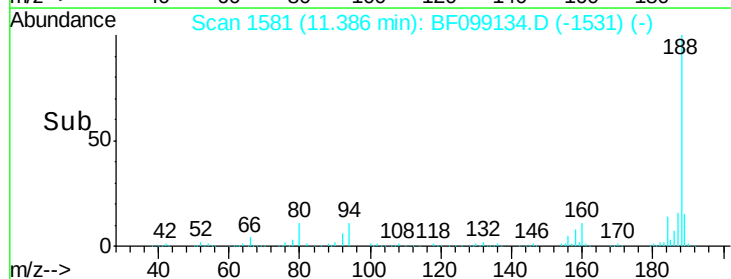
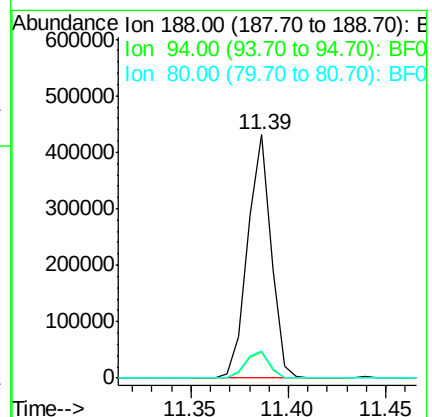
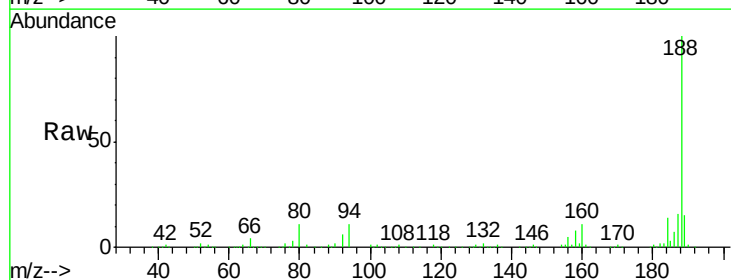
Instrument :
 BNA_F
 ClientSampled :

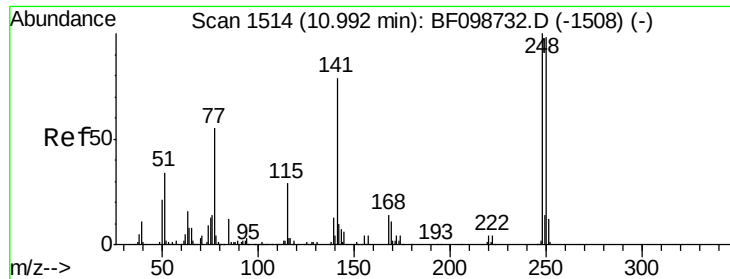
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099134.D
 Acq: 6 Oct 2017 7:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.4	9.2	13.8

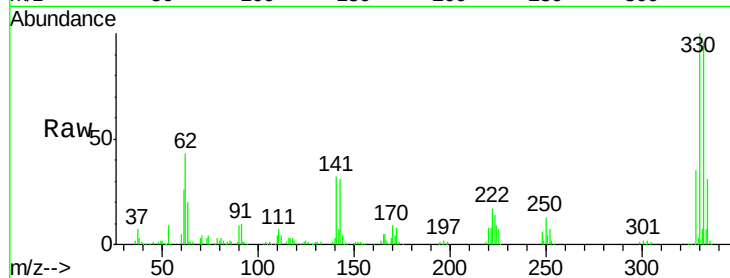




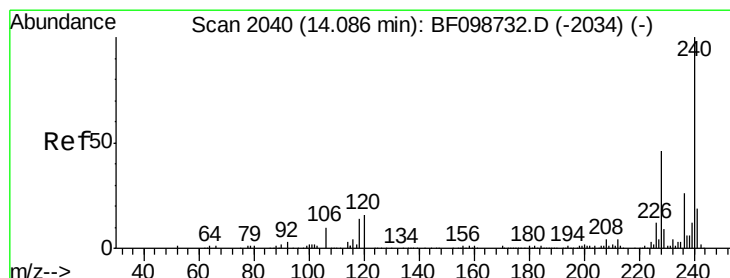
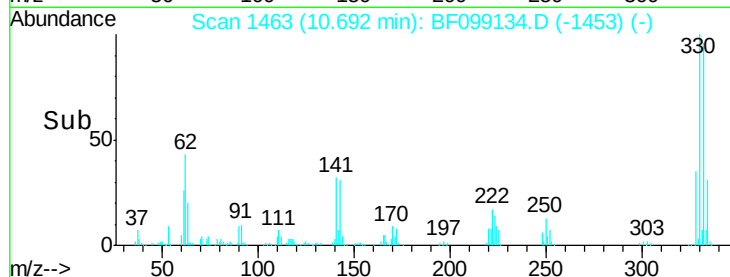
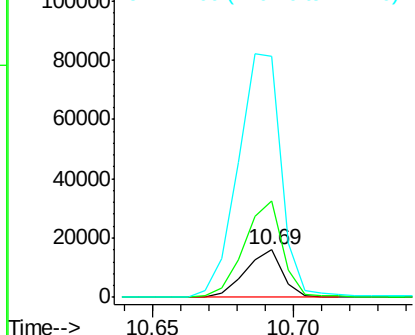
#66
4-Bromophenyl-phenylether
Concen: 4.18 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF099134.D
Acq: 6 Oct 2017 7:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14704
Ion Ratio Lower Upper
248 100
250 202.2 76.9 115.3#
141 508.2 74.4 111.6#

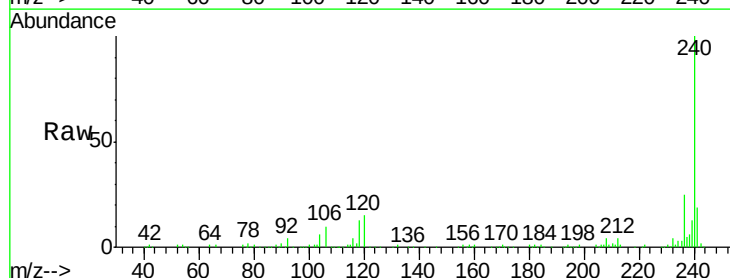


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

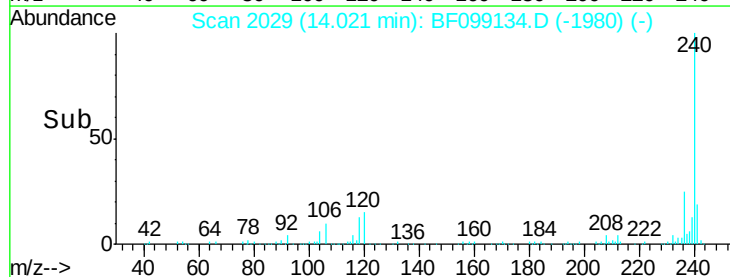
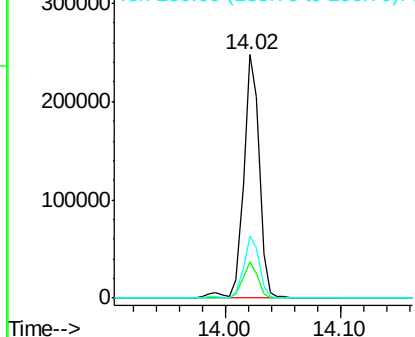


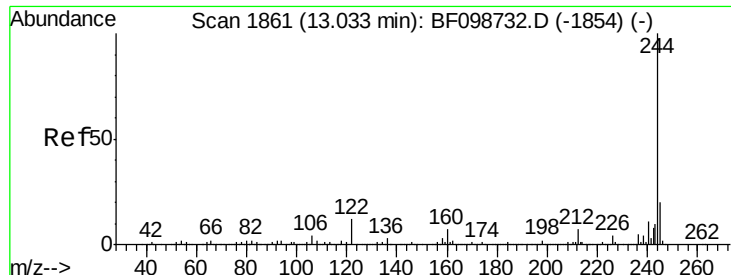
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF099134.D
Acq: 6 Oct 2017 7:43

Tgt Ion:240 Resp: 233321
Ion Ratio Lower Upper
240 100
120 15.1 9.5 14.3#
236 25.4 20.7 31.1



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

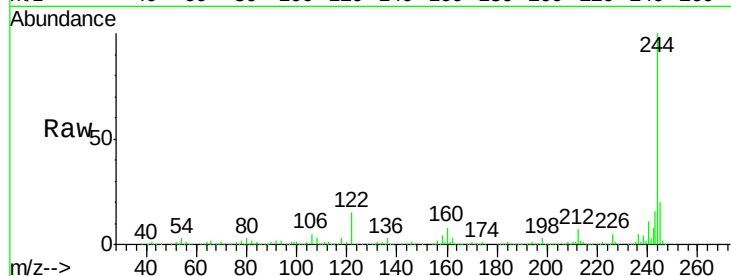




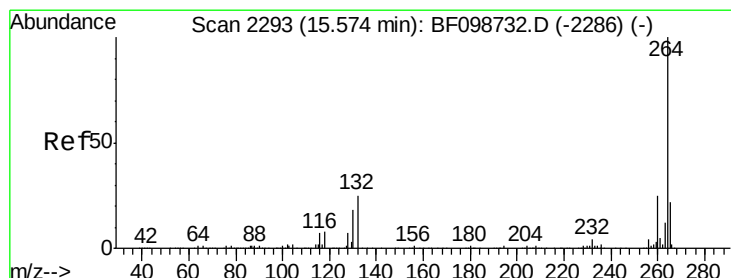
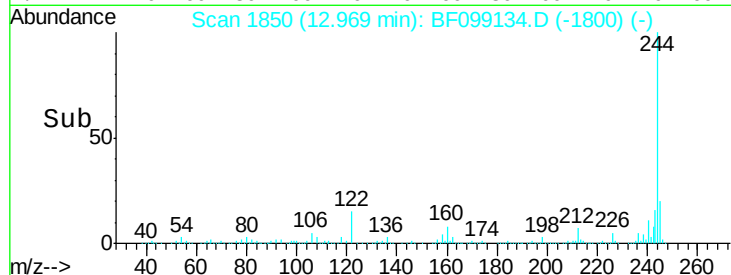
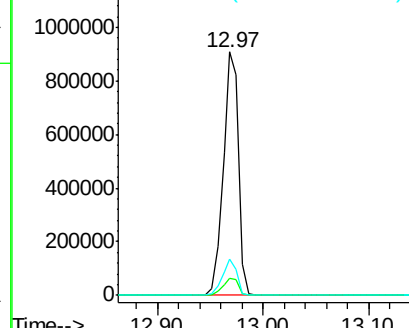
#78
 Terphenyl-d14
 Concen: 89.91 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF099134.D
 Acq: 6 Oct 2017 7:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 922454
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 14.9 11.0 16.4

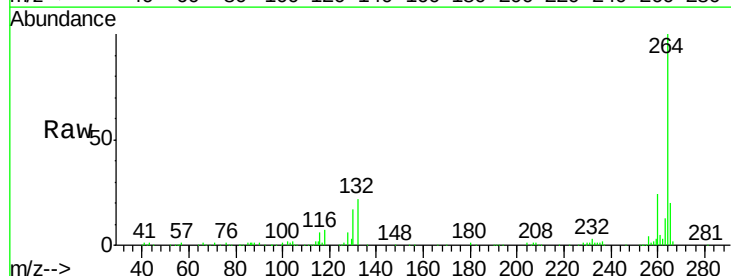


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF099134.D
 Acq: 6 Oct 2017 7:43

Tgt Ion:264 Resp: 216437
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 20.1 17.5 26.3



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

