

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098901.D
 Acq On : 28 Sep 2017 11:51
 Operator : SJ/JU
 Sample : I5418-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 00:39:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

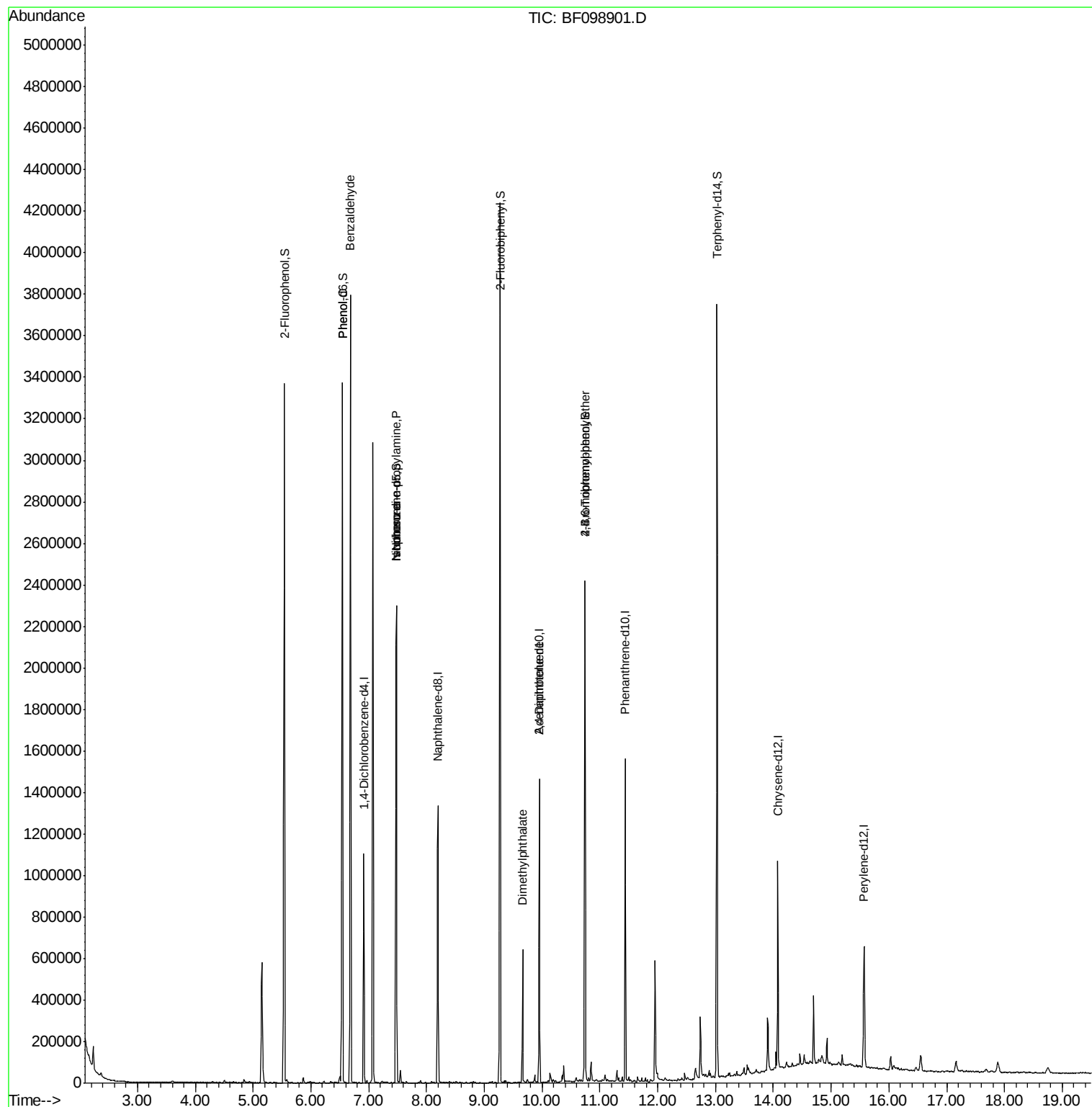
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	140392	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	596414	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	273921	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	489908	20.00	ng	0.00
75) Chrysene-d12	14.08	240	306583	20.00	ng	0.00
86) Perylene-d12	15.57	264	242101	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1110774	125.95	ng	0.00
7) Phenol-d6	6.55	99	1339942	123.16	ng	0.00
23) Nitrobenzene-d5	7.48	82	830147	89.26	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	287821	128.41	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1440454	87.79	ng	0.00
78) Terphenyl-d14	13.03	244	1277681	94.78	ng	0.00
Target Compounds						
9) Benzaldehyde	6.69	77	24400	3.87	ng	Qvalue 82
10) Phenol	6.55	94	40394	3.32	ng	# 71
19) n-Nitroso-di-n-propylamine	7.48	70	110243	15.87	ng	# 77
25) Isophorone	7.48	82	826343	42.98	ng	# 64
49) Dimethylphthalate	9.66	163	255769	12.37	ng	99
56) 2,4-Dinitrotoluene	9.95	165	36003	6.16	ng	# 23
66) 4-Bromophenyl-phenylether	10.75	248	19697	4.11	ng	# 1

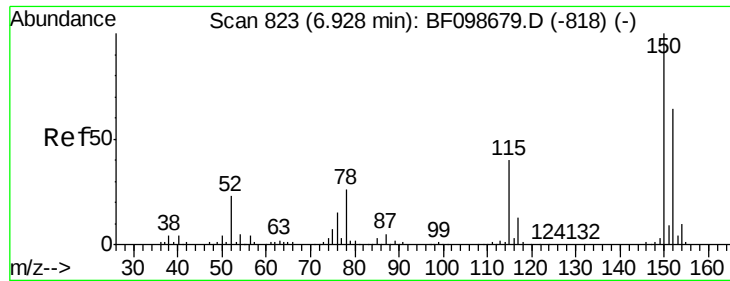
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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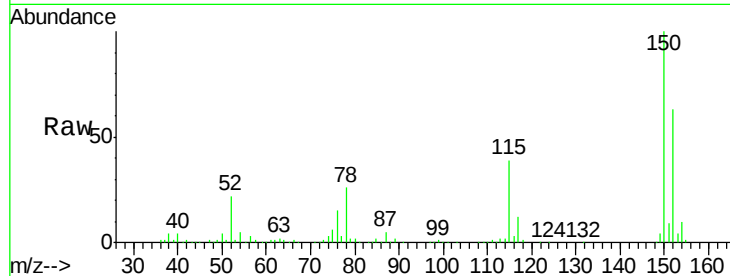


#1

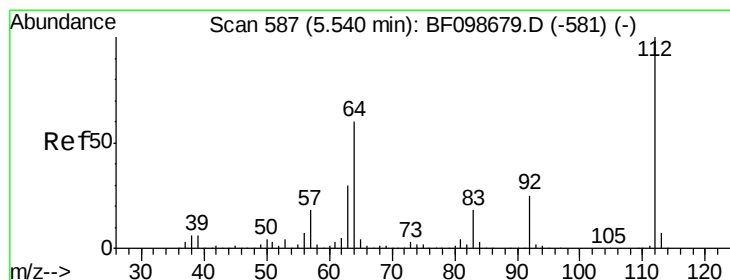
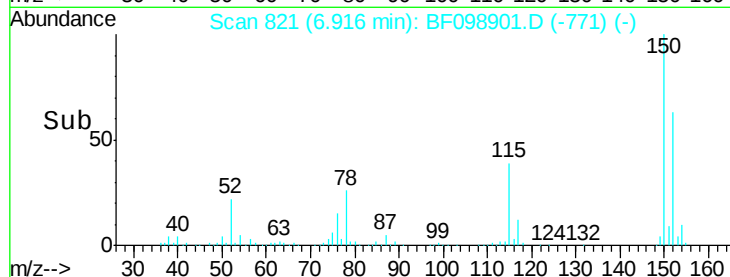
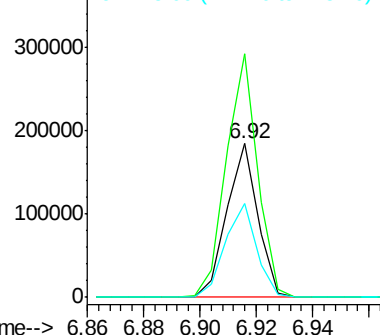
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098901.D
Acq: 28 Sep 2017 11:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 140392
Ion Ratio Lower Upper
152 100
150 158.6 124.6 186.8
115 61.5 50.1 75.1



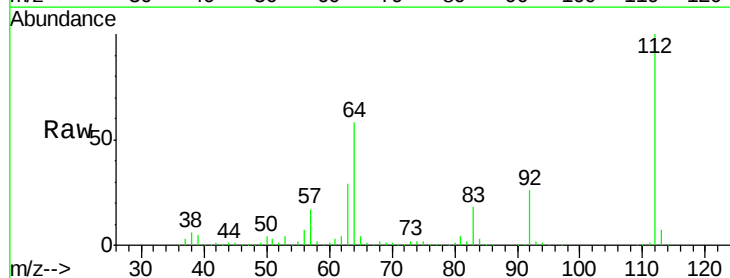
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



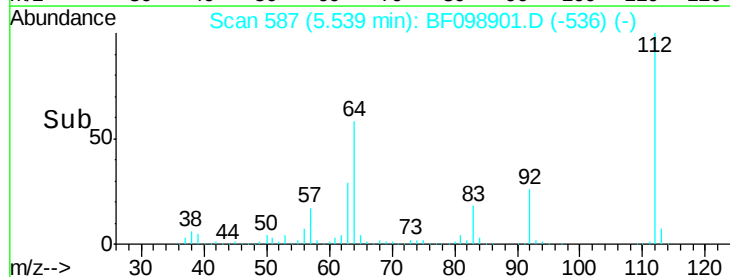
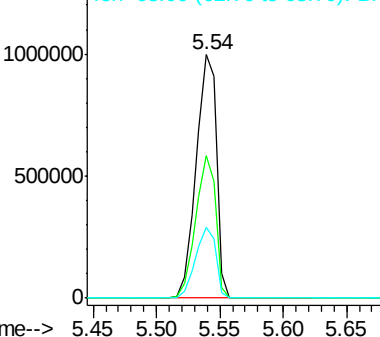
#5

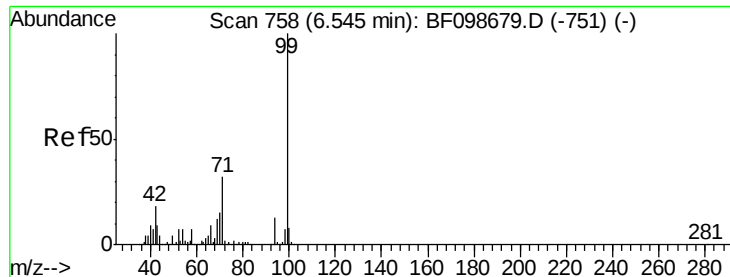
2-Fluorophenol
Concen: 125.95 ng
RT: 5.54 min Scan# 587
Delta R.T. -0.00 min
Lab File: BF098901.D
Acq: 28 Sep 2017 11:51

Tgt Ion:112 Resp: 1110774
Ion Ratio Lower Upper
112 100
64 58.4 47.9 71.9
63 29.2 23.7 35.5



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: 123.16 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF098901.D

Acq: 28 Sep 2017 11:51

Instrument :

BNA_F

ClientSampleId :

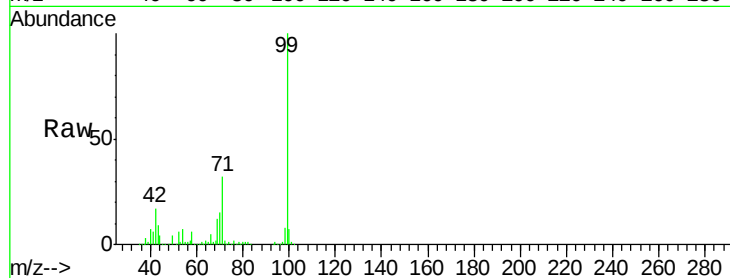
Tot Ion: 99 Resp: 1339942

Ion Ratio Lower Upper

99 100

42 17.4 14.5 21.7

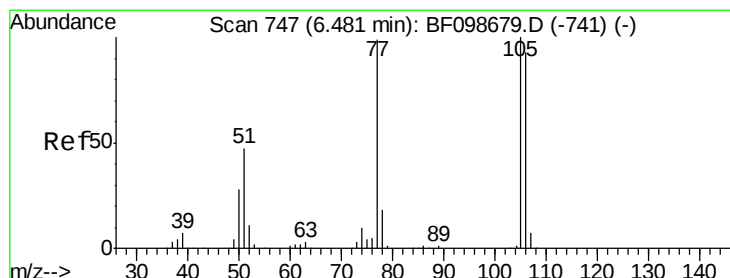
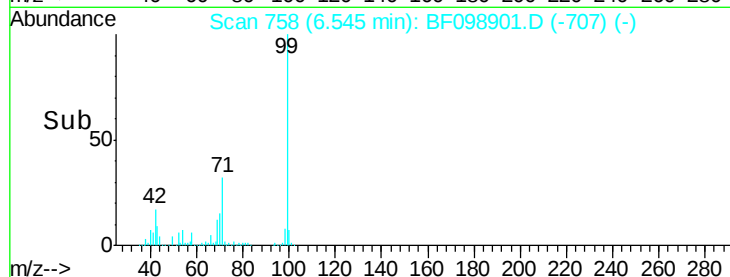
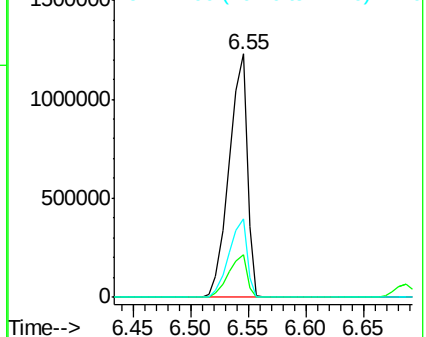
71 32.0 25.4 38.0



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



#9

Benzaldehyde

Concen: 3.87 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.21 min

Lab File: BF098901.D

Acq: 28 Sep 2017 11:51

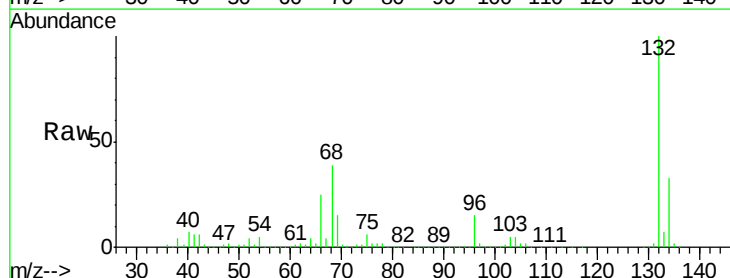
Tgt Ion: 77 Resp: 24400

Ion Ratio Lower Upper

77 100

105 82.1 81.1 121.1

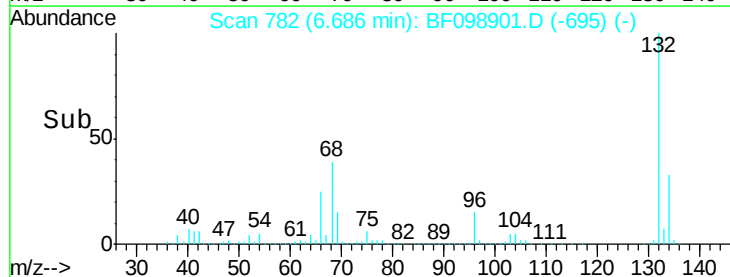
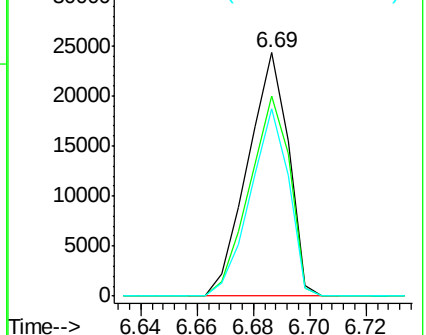
106 77.1 74.5 114.5

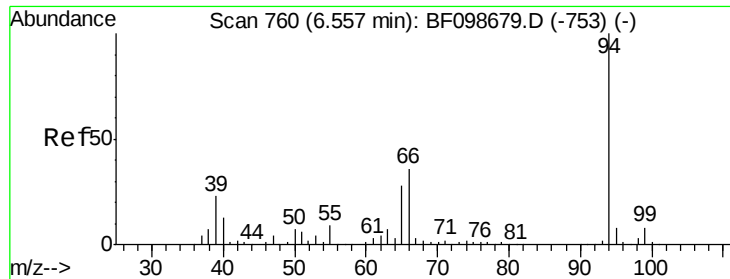


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 3.32 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF098901.D

Acq: 28 Sep 2017 11:51

Instrument :

BNA_F

ClientSampleId :

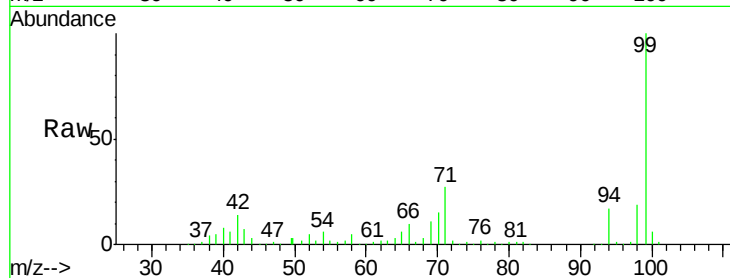
Tot Ion: 94 Resp: 40394

Ion Ratio Lower Upper

94 100

65 34.7 7.9 47.9

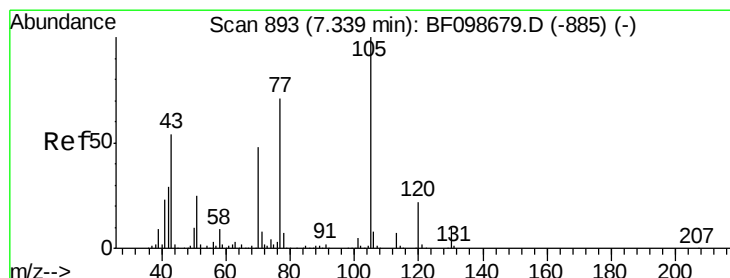
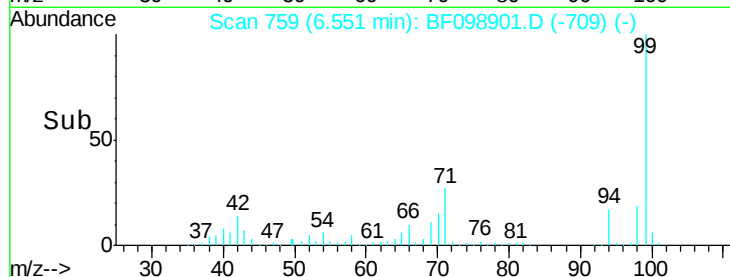
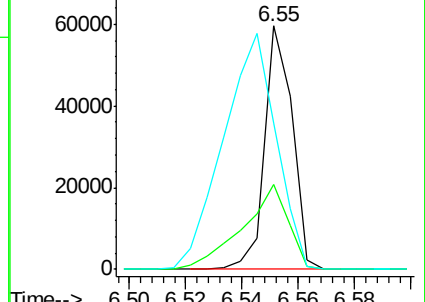
66 60.2 16.2 56.2#



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: 15.87 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.15 min

Lab File: BF098901.D

Acq: 28 Sep 2017 11:51

Tgt Ion: 70 Resp: 110243

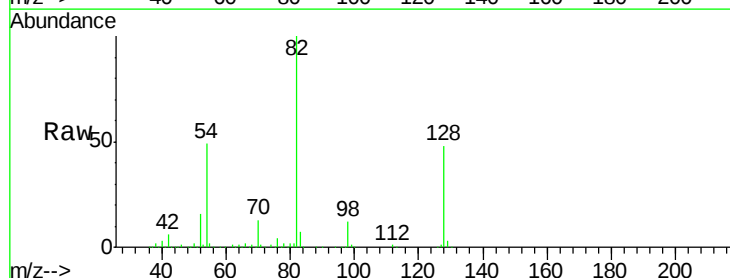
Ion Ratio Lower Upper

70 100

42 46.6 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

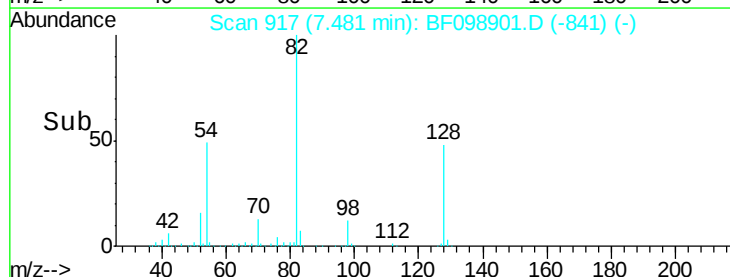
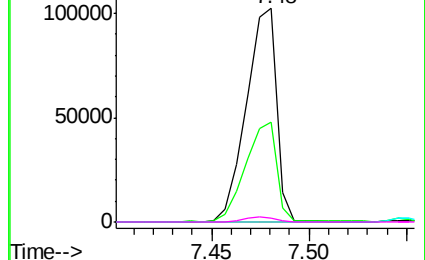


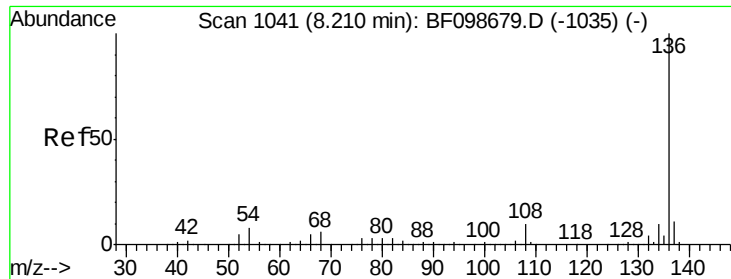
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

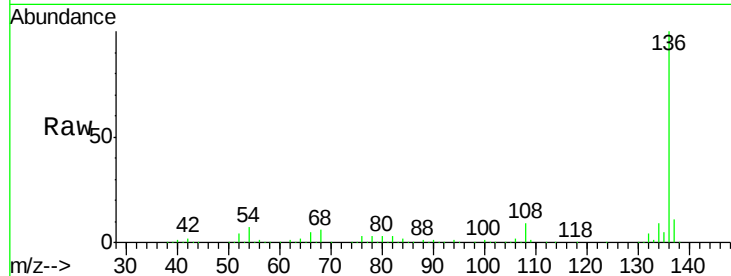




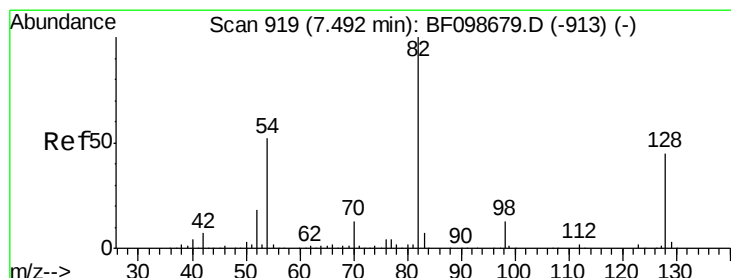
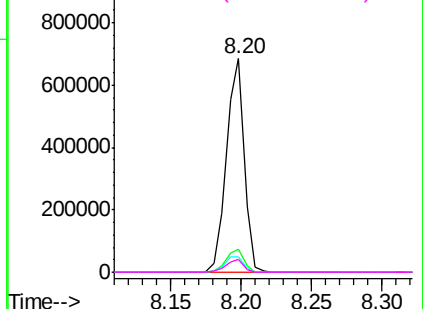
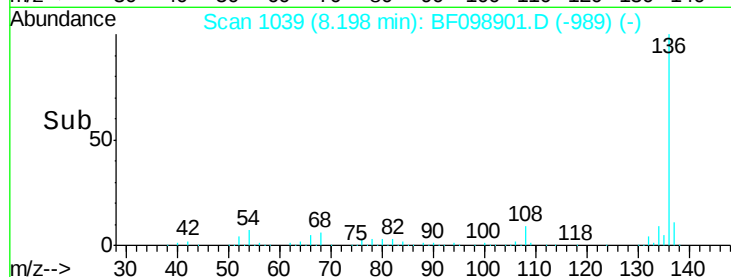
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098901.D
Acq: 28 Sep 2017 11:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	596414
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	7.3	6.6 9.8
68	5.8	5.0 7.4

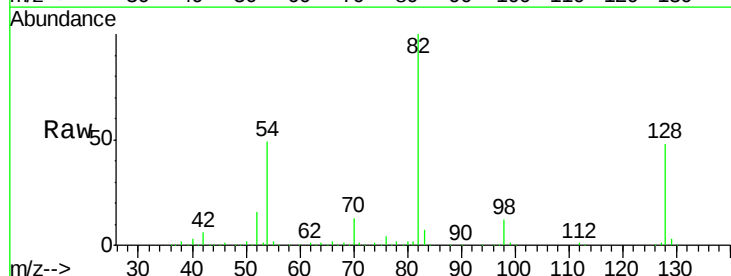


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

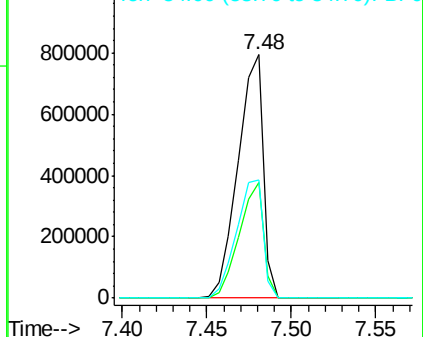
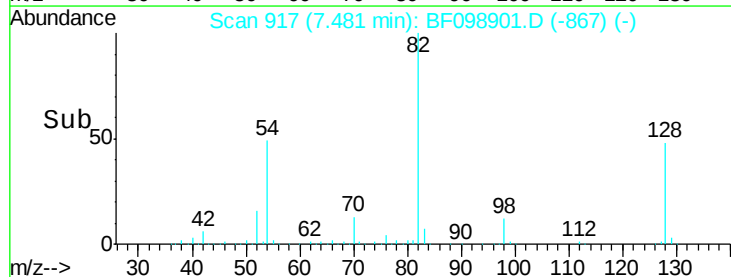


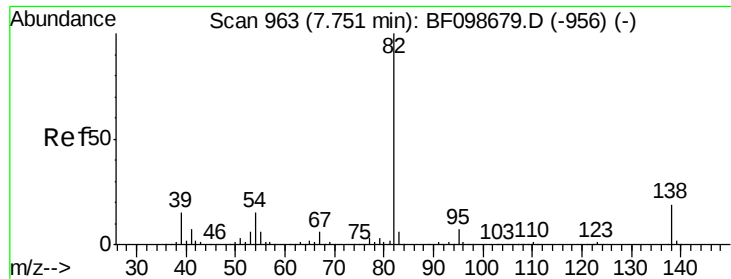
#23
Nitrobenzene-d5
Concen: 89.26 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF098901.D
Acq: 28 Sep 2017 11:51

Tgt Ion: 82	Resp:	830147
Ion Ratio	Lower	Upper
82	100	
128	47.6	36.1 54.1
54	48.7	41.4 62.2



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: 42.98 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.26 min

Lab File: BF098901.D

Acq: 28 Sep 2017 11:51

Instrument :

BNA_F

ClientSampleId :

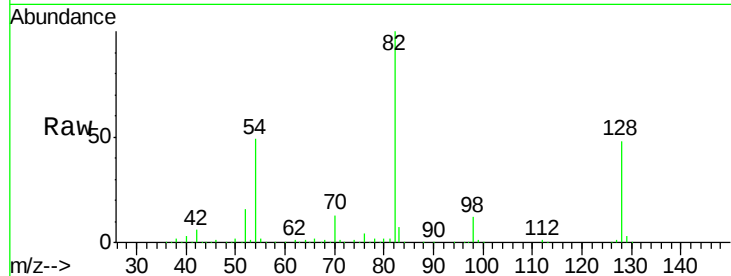
Tot Ion: 82 Resp: 826343

Ion Ratio Lower Upper

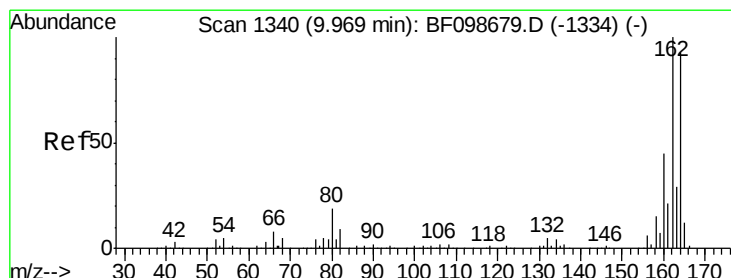
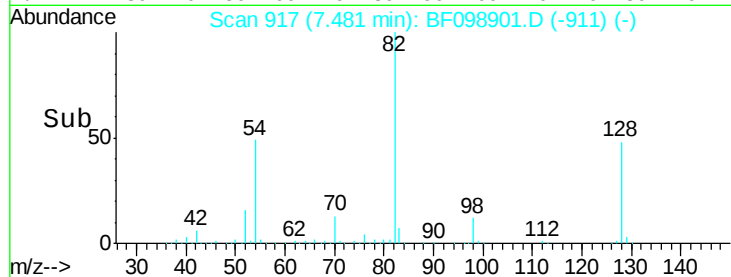
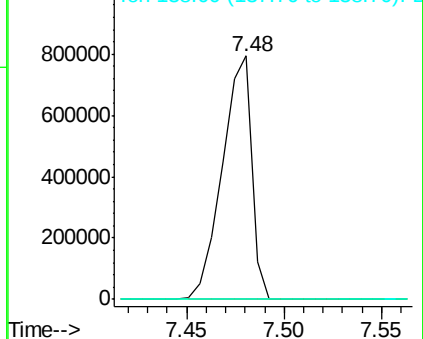
82 100

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: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098901.D

Acq: 28 Sep 2017 11:51

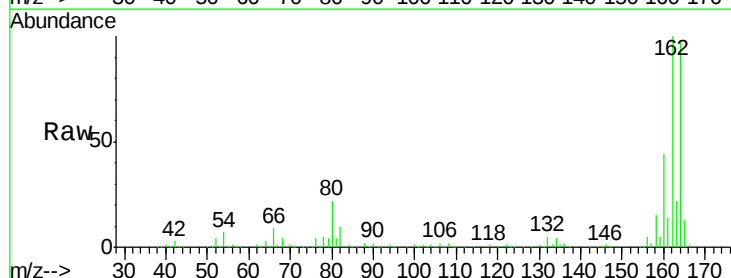
Tgt Ion: 164 Resp: 273921

Ion Ratio Lower Upper

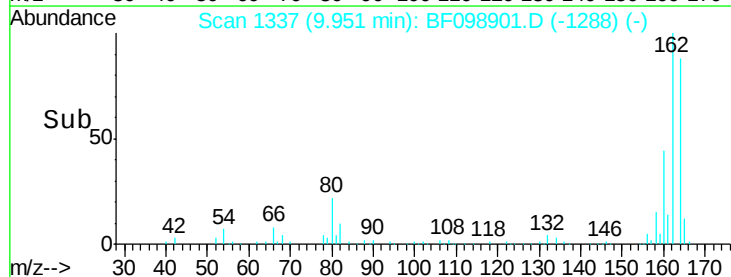
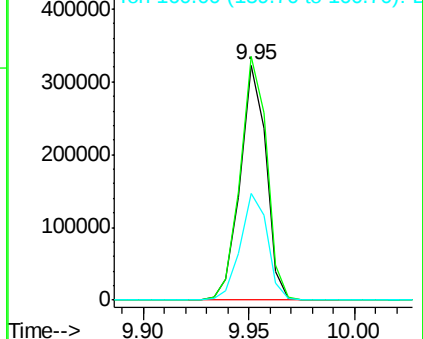
164 100

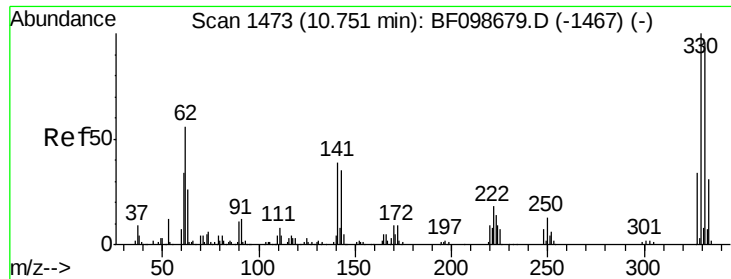
162 103.6 86.1 129.1

160 45.3 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

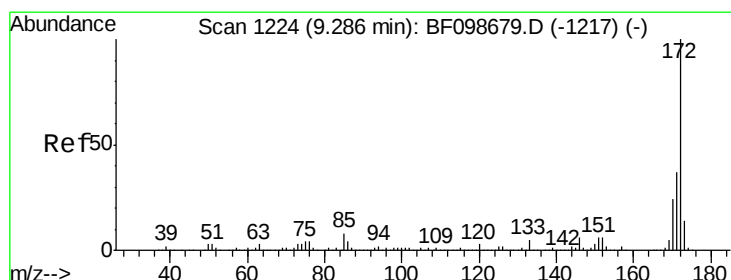
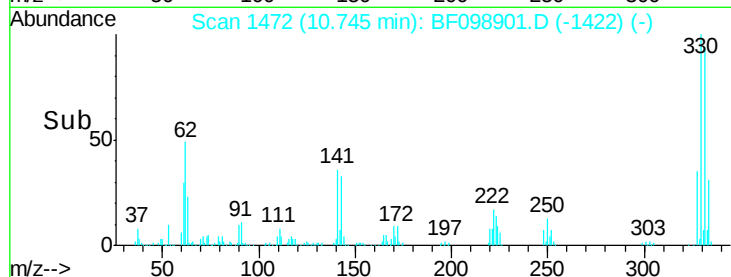
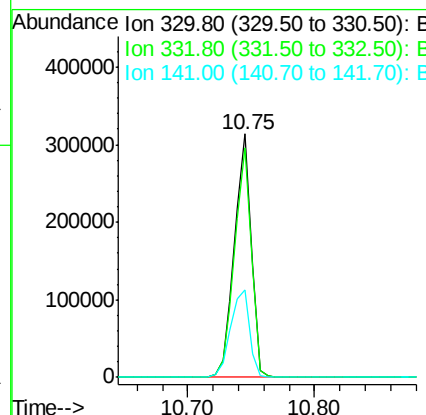
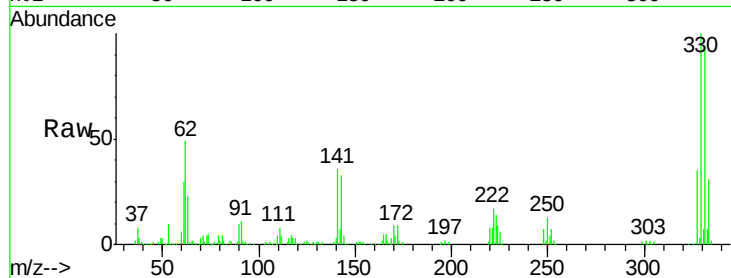




#41
 2,4,6-Tribromophenol
 Concen: 128.41 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098901.D
 Acq: 28 Sep 2017 11:51

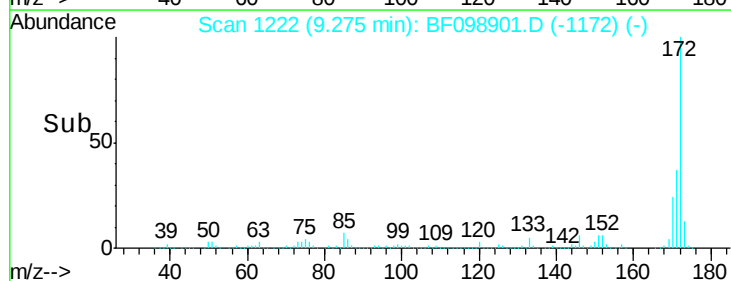
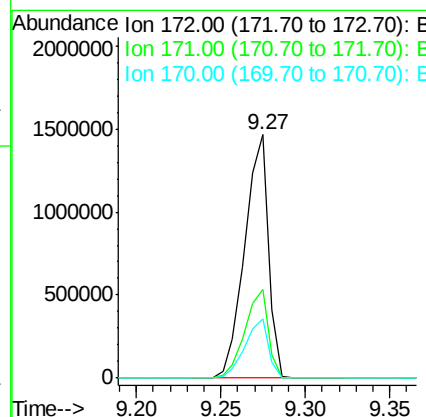
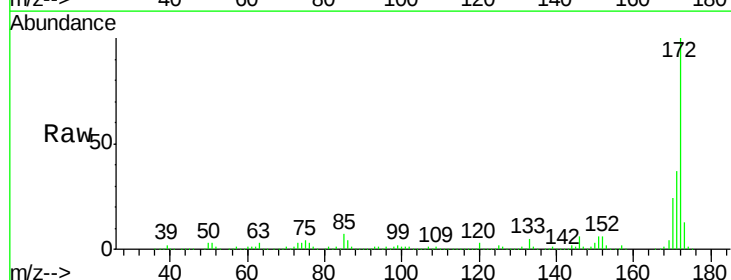
Instrument :
 BNA_F
 ClientSampleId :

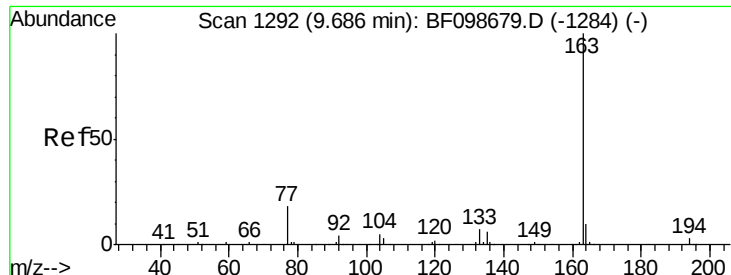
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.0	115.6
141	40.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 87.79 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098901.D
 Acq: 28 Sep 2017 11:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.3	19.6	29.4





#49

Dimethylphthalate

Concen: 12.37 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF098901.D

Acq: 28 Sep 2017 11:51

Instrument :

BNA_F

ClientSampleId :

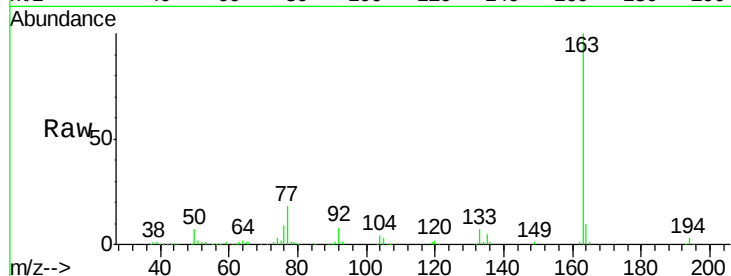
Tot Ion:163 Resp: 255769

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

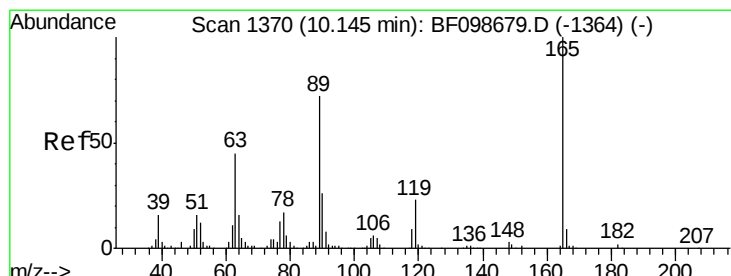
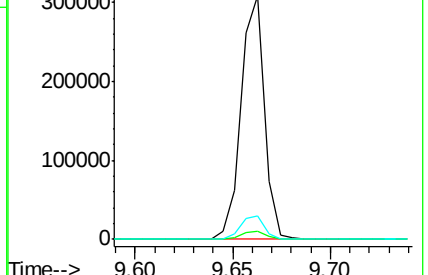
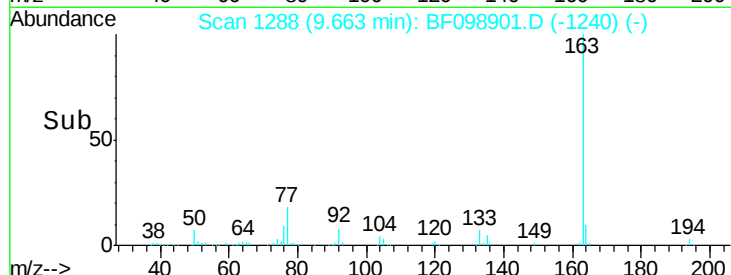
164 9.8 8.2 12.2



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: 6.16 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.19 min

Lab File: BF098901.D

Acq: 28 Sep 2017 11:51

Tgt Ion:165 Resp: 36003

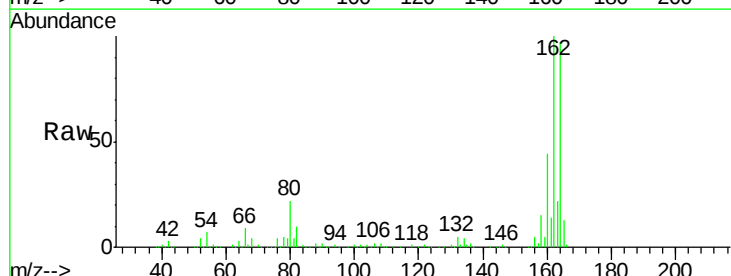
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

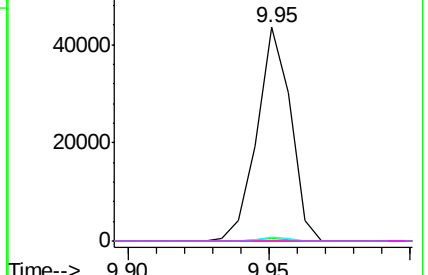
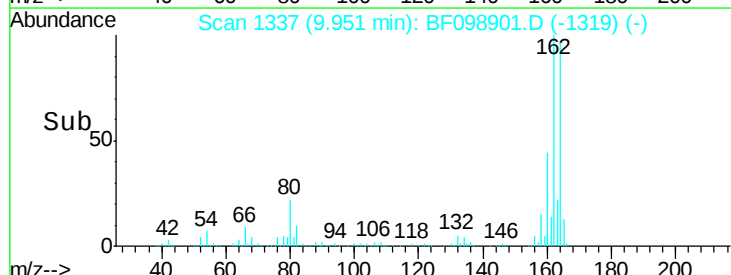


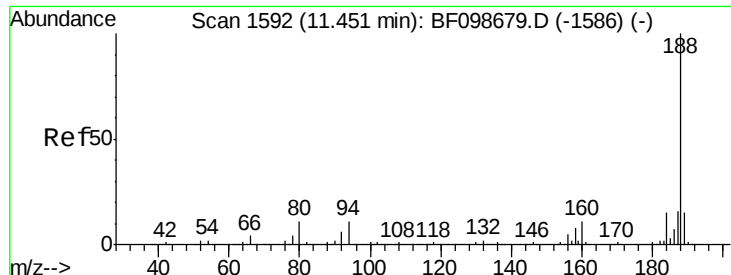
Abundance Ion 165.00 (164.70 to 165.70): E

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

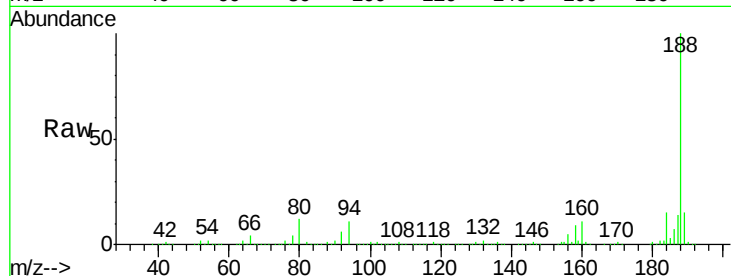




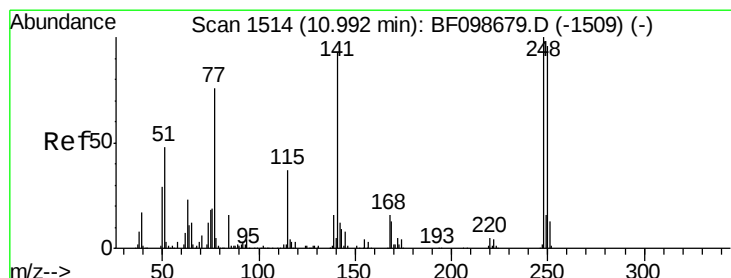
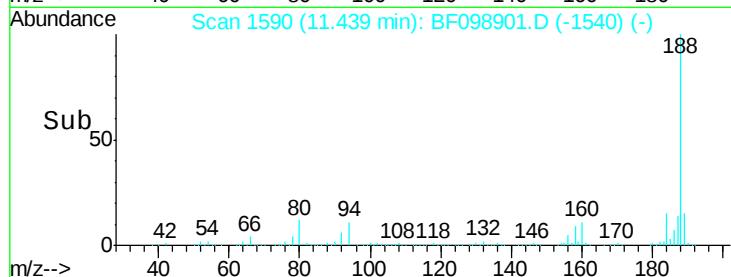
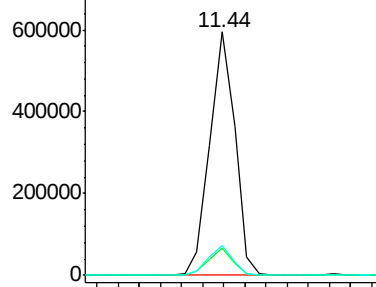
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098901.D
Acq: 28 Sep 2017 11:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	12.0	9.2	13.8

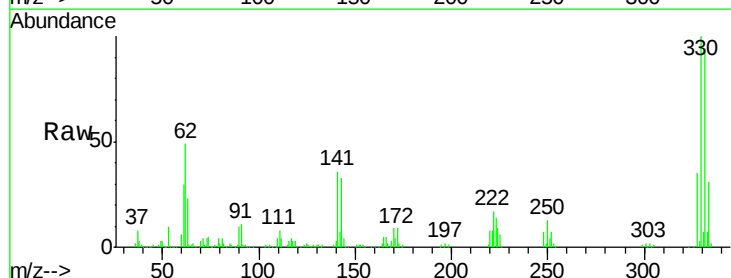


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

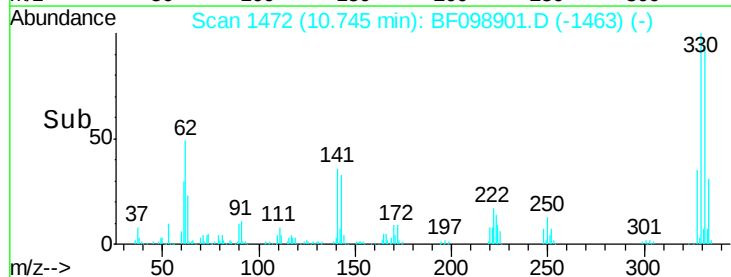
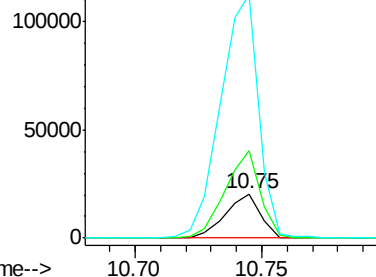


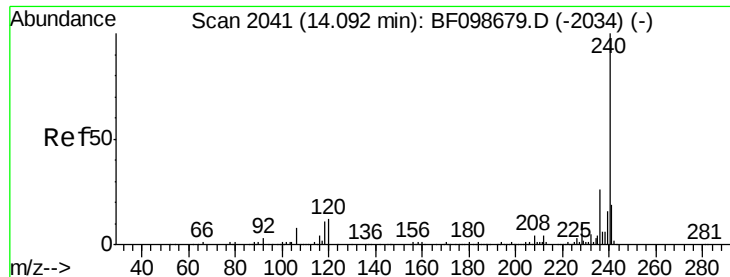
#66
4-Bromophenyl-phenylether
Concen: 4.11 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.25 min
Lab File: BF098901.D
Acq: 28 Sep 2017 11:51

Tgt Ion	Ratio	Lower	Upper
248	100		
250	198.0	76.9	115.3#
141	549.2	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: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098901.D

Acq: 28 Sep 2017 11:51

Instrument :

BNA_F

ClientSampleId :

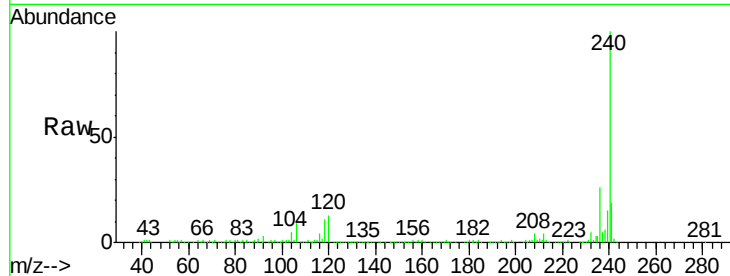
Tot Ion:240 Resp: 306583

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

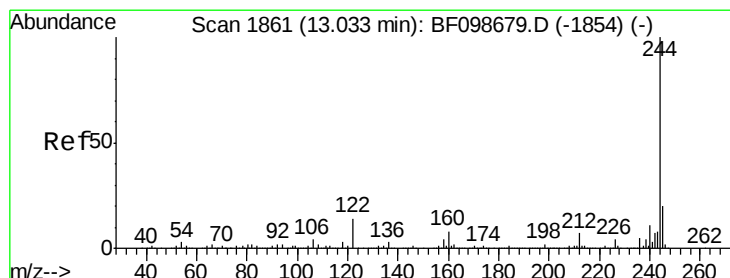
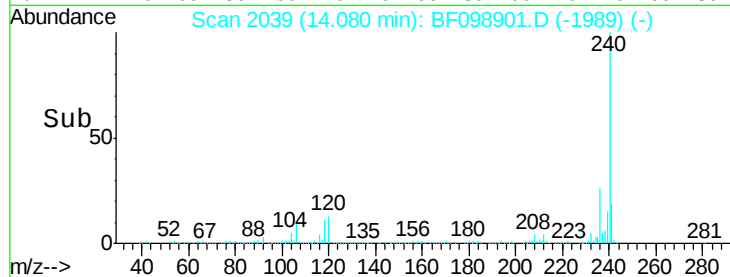
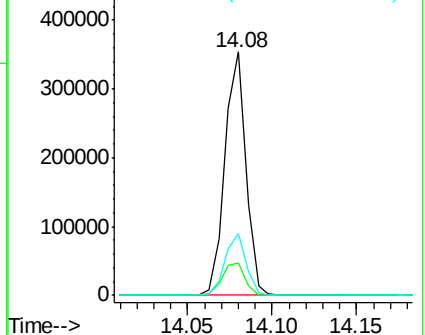
236 25.6 20.7 31.1



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: 94.78 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098901.D

Acq: 28 Sep 2017 11:51

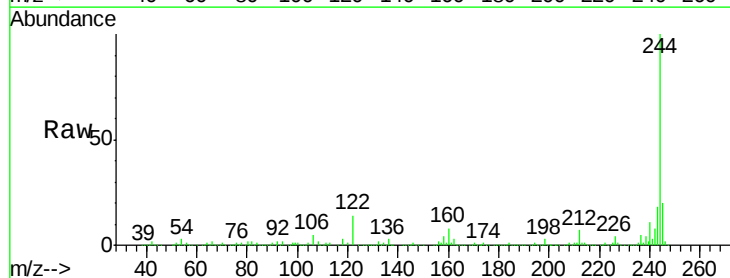
Tgt Ion:244 Resp: 1277681

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

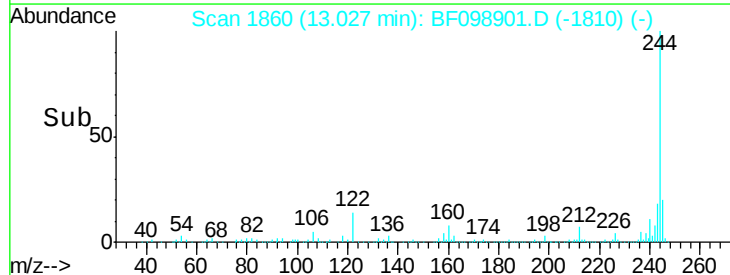
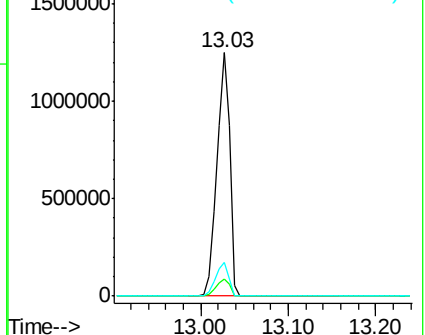
122 13.6 11.0 16.4

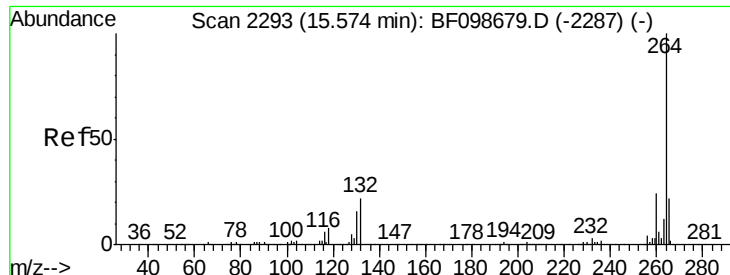


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

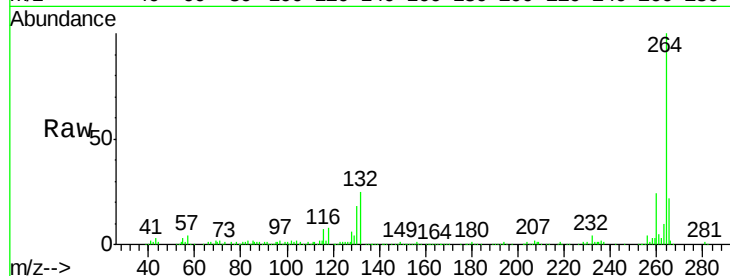




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: BF098901.D
 Acq: 28 Sep 2017 11:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.7	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

