

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098168.D
 Acq On : 30 Aug 2017 21:03
 Operator : SJ/JU
 Sample : I5007-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 06:45:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

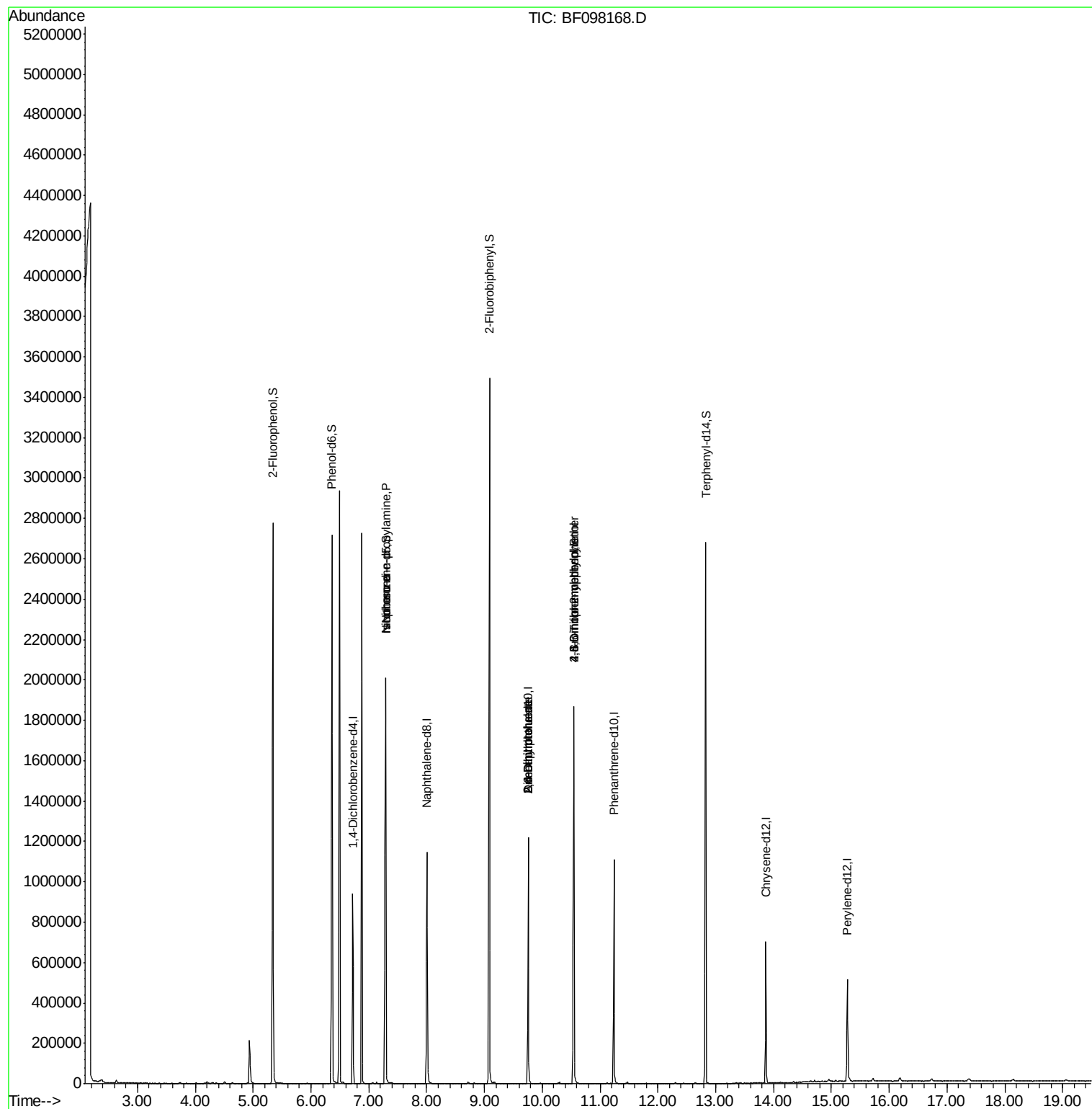
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	122845	20.00	ng	-0.03
21) Naphthalene-d8	8.00	136	504349	20.00	ng	-0.03
38) Acenaphthene-d10	9.76	164	226169	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	403811	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	245173	20.00	ng	-0.03
86) Perylene-d12	15.28	264	229135	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	903350	111.85	ng	0.00
7) Phenol-d6	6.36	99	1156460	105.39	ng	-0.02
23) Nitrobenzene-d5	7.29	82	831589	89.57	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	223540	113.91	ng	-0.03
44) 2-Fluorobiphenyl	9.09	172	1233267	80.11	ng	-0.02
78) Terphenyl-d14	12.83	244	922834	78.49	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	108900	14.497	ng	# 70
25) Isophorone	7.29	82	823699	42.668	ng	# 67
49) Dimethylphthalate	9.76	163	61192	3.701	ng	# 1
50) 2,6-Dinitrotoluene	9.76	165	28460	8.624	ng	# 34
56) 2,4-Dinitrotoluene	9.76	165	28460	6.872	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.55	198	341	8.469	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	14662	3.497	ng	# 1

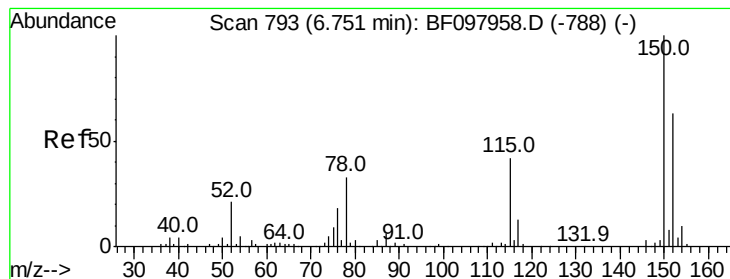
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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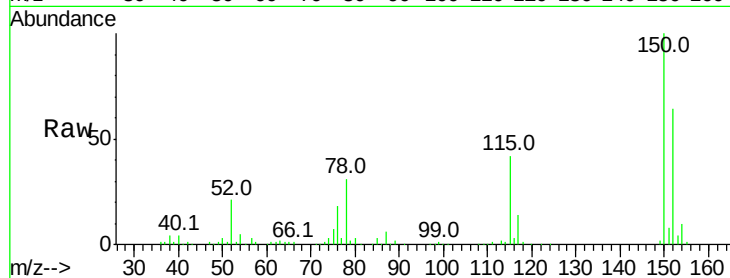


#1

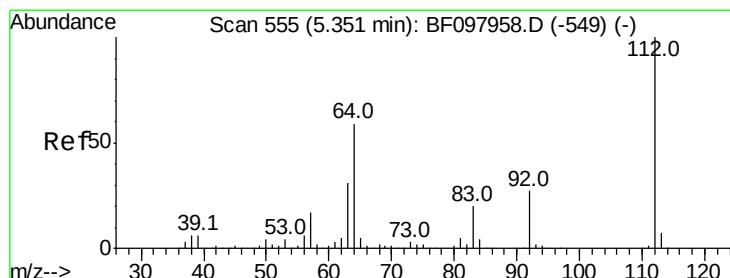
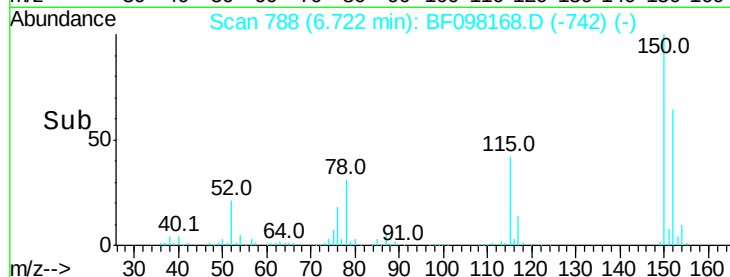
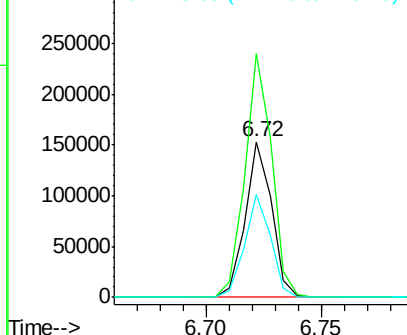
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.03 min
Lab File: BF098168.D
Acq: 30 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 122845
Ion Ratio Lower Upper
152 100
150 156.8 126.2 189.2
115 65.9 52.2 78.2



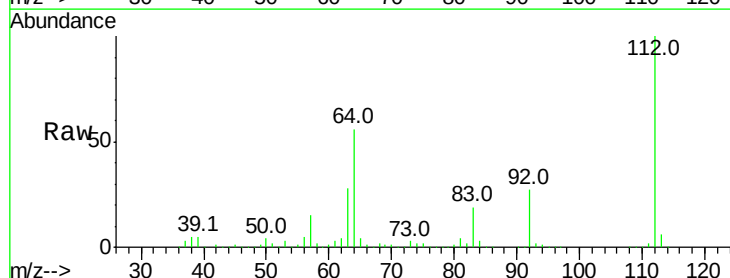
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



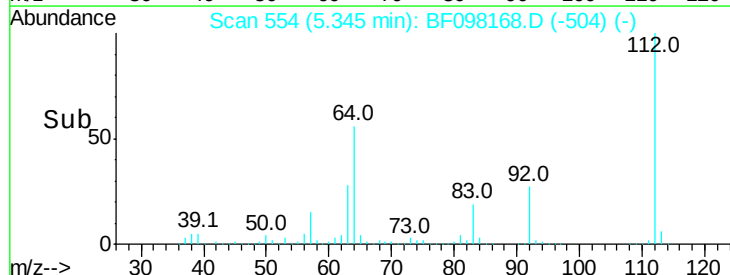
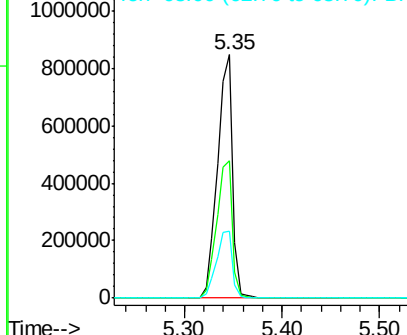
#5

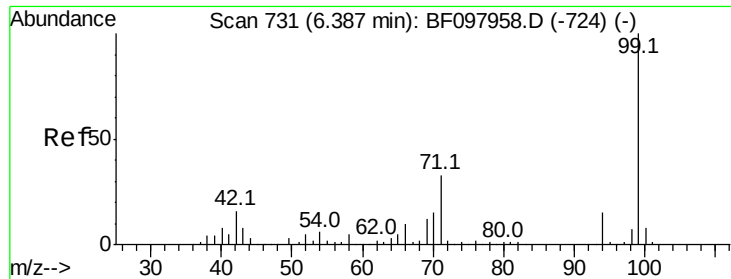
2-Fluorophenol
Concen: 111.853 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF098168.D
Acq: 30 Aug 2017 21:03

Tgt Ion:112 Resp: 903350
Ion Ratio Lower Upper
112 100
64 56.3 46.0 69.0
63 27.7 23.4 35.0



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: 105.389 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098168.D

Acq: 30 Aug 2017 21:03

Instrument :

BNA_F

ClientSampled :

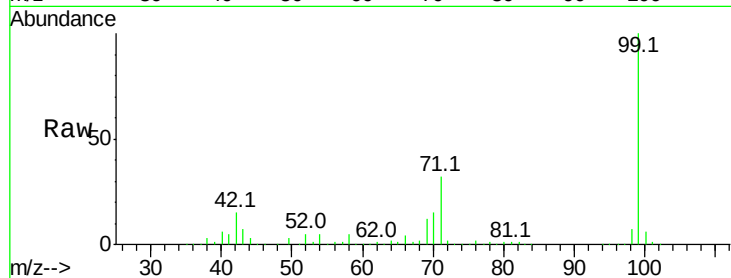
Tot Ion: 99 Resp: 1156460

Ion Ratio Lower Upper

99 100

42 14.8 13.5 20.3

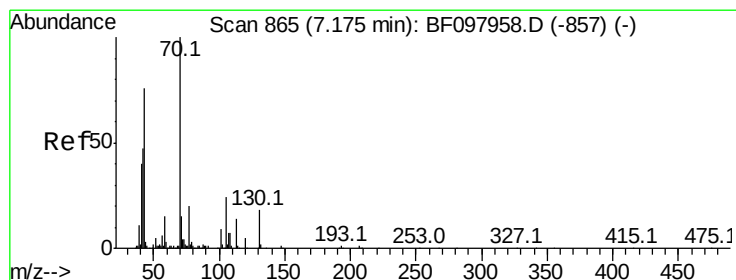
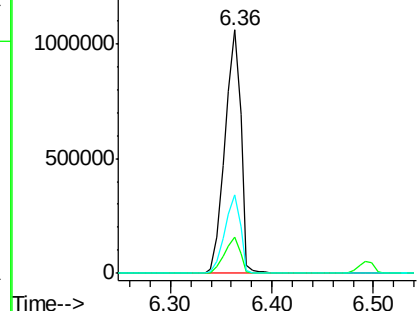
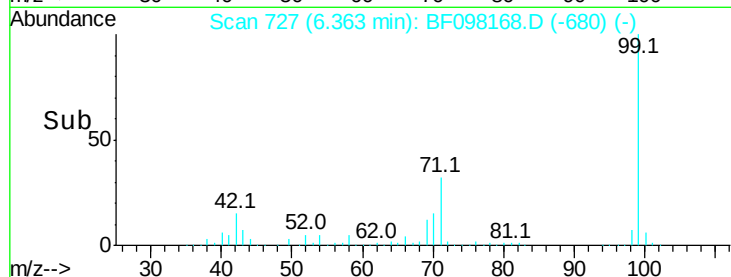
71 32.3 24.5 36.7



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: 14.497 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.12 min

Lab File: BF098168.D

Acq: 30 Aug 2017 21:03

Tgt Ion: 70 Resp: 108900

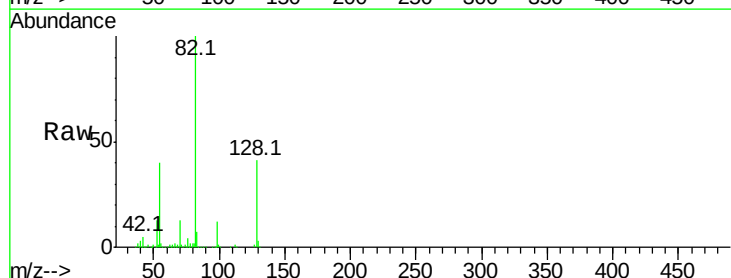
Ion Ratio Lower Upper

70 100

42 38.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

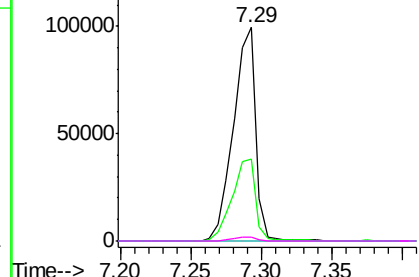
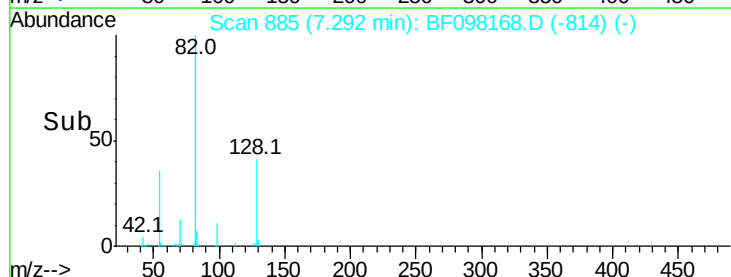


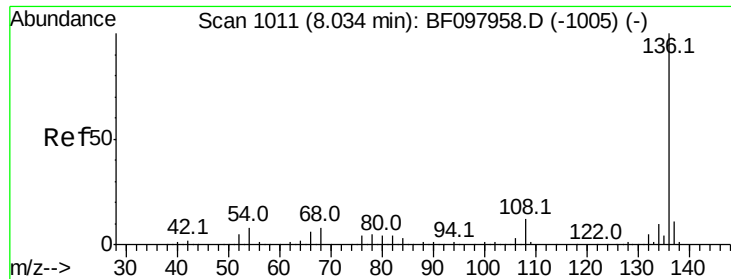
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

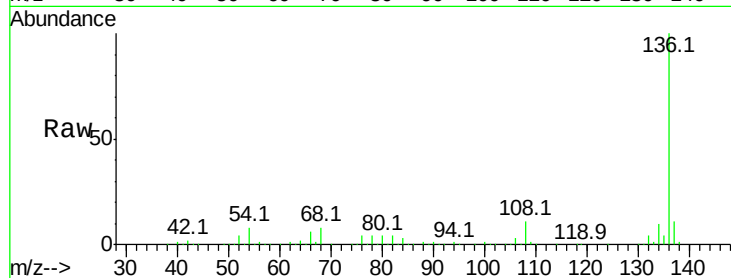




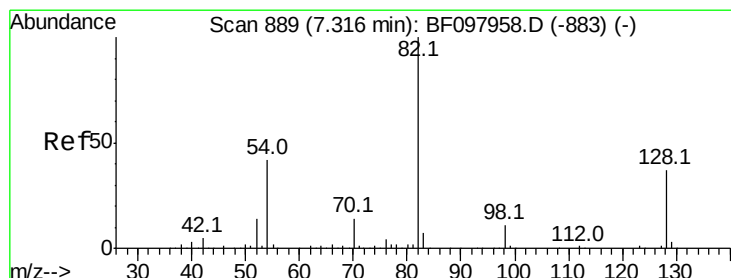
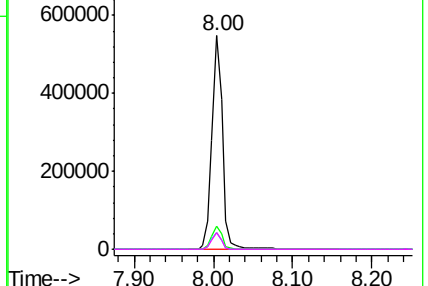
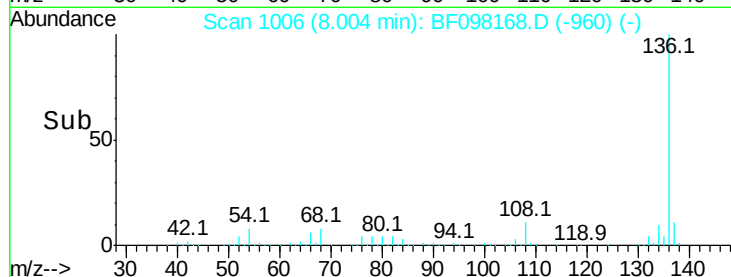
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BF098168.D
Acq: 30 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	504349
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	7.7	4.9	7.3#
68	7.7	4.1	6.1#

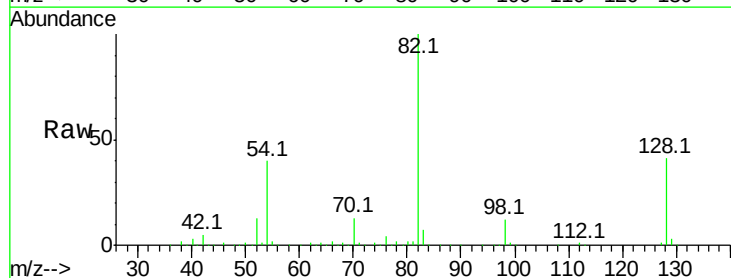


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

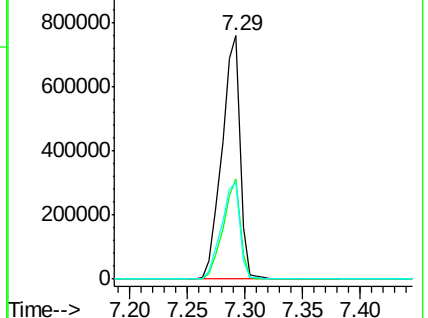
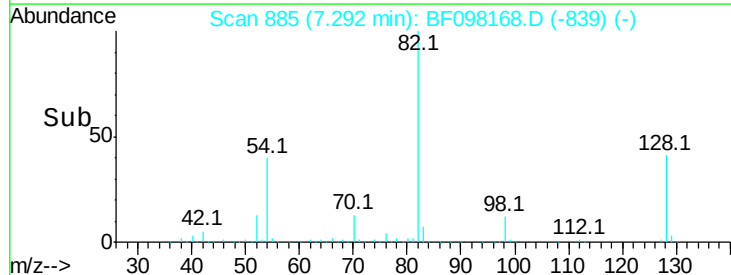


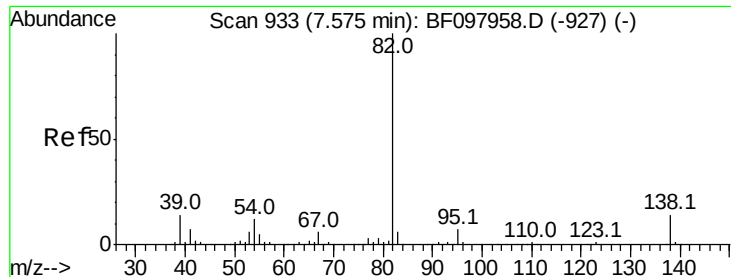
#23
Nitrobenzene-d5
Concen: 89.572 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.03 min
Lab File: BF098168.D
Acq: 30 Aug 2017 21:03

Tgt Ion:	82	Resp:	831589
Ion	Ratio	Lower	Upper
82	100		
128	41.1	34.0	51.0
54	39.5	42.2	63.2#



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: 42.668 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.29 min

Lab File: BF098168.D

Acq: 30 Aug 2017 21:03

Instrument :

BNA_F

ClientSampled :

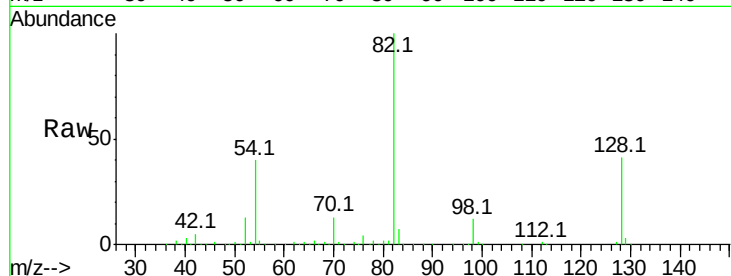
Tot Ion: 82 Resp: 823699

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

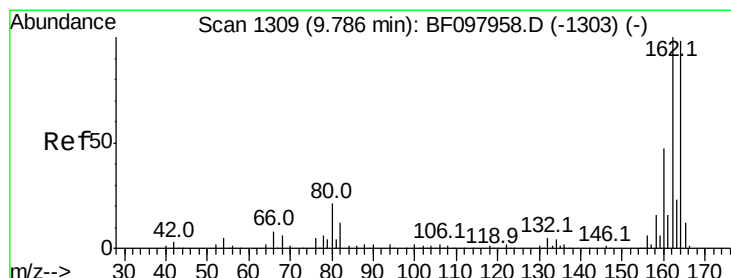
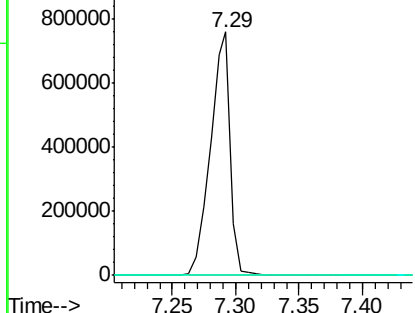
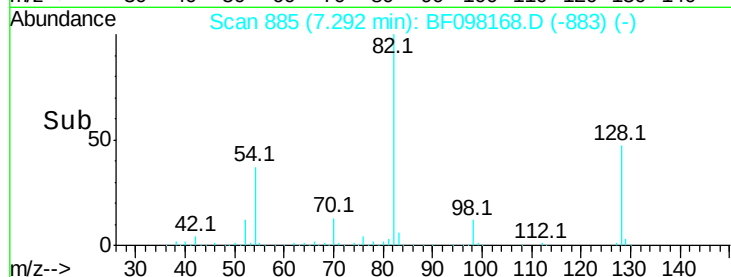
138 0.0 13.1 19.7#



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: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF098168.D

Acq: 30 Aug 2017 21:03

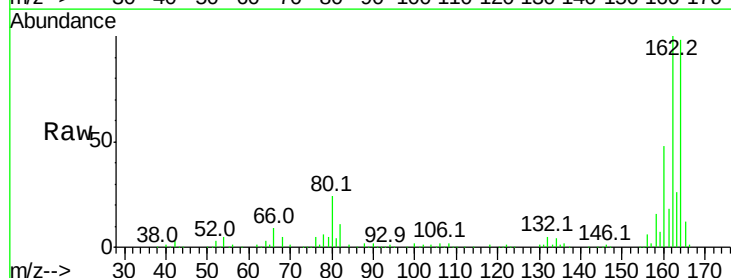
Tgt Ion:164 Resp: 226169

Ion Ratio Lower Upper

164 100

162 102.1 82.6 123.8

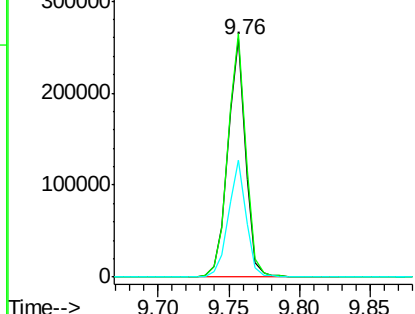
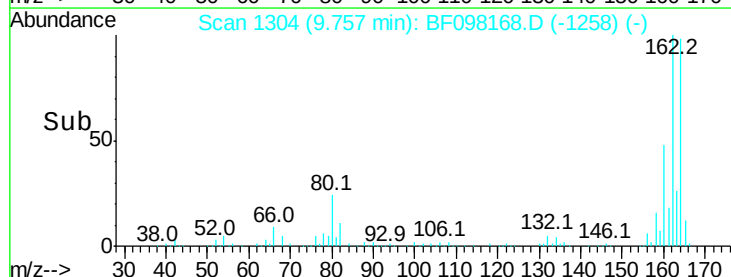
160 49.0 36.2 54.2

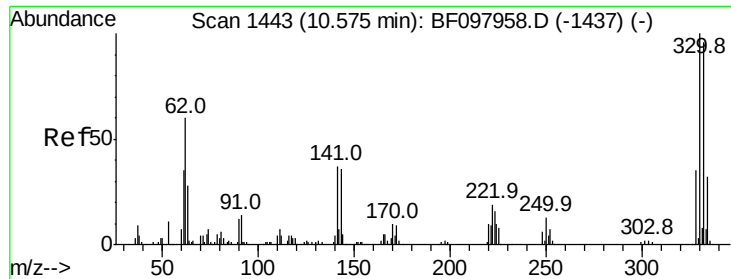


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

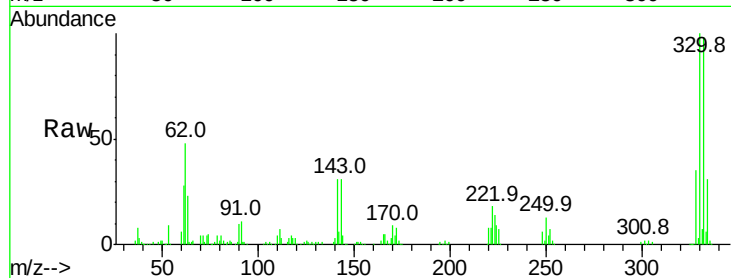




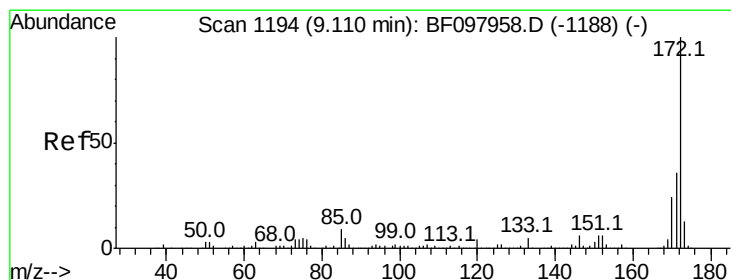
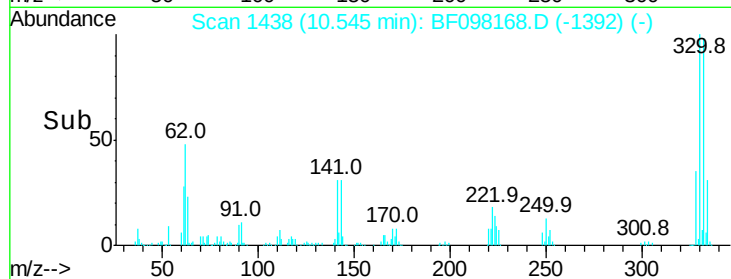
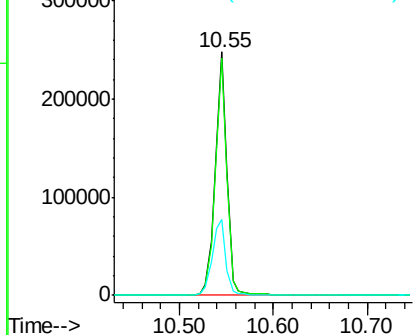
#41
 2,4,6-Tribromophenol
 Concen: 113.912 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098168.D
 Acq: 30 Aug 2017 21:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 223540
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 115.0
 141 35.6 31.4 47.2

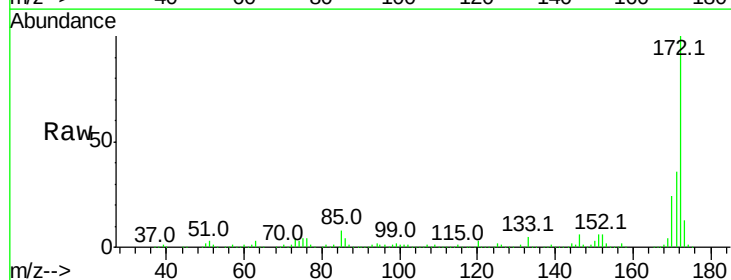


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

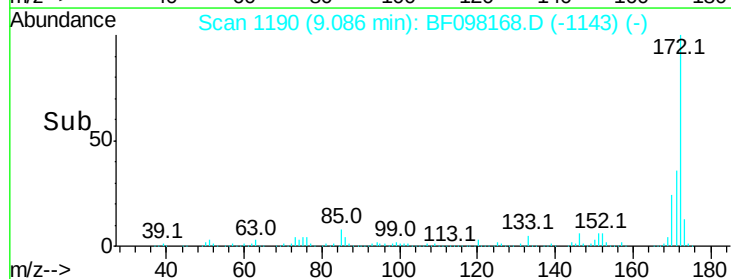
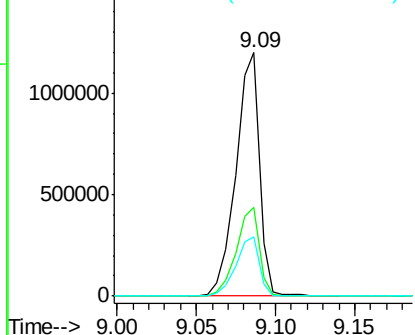


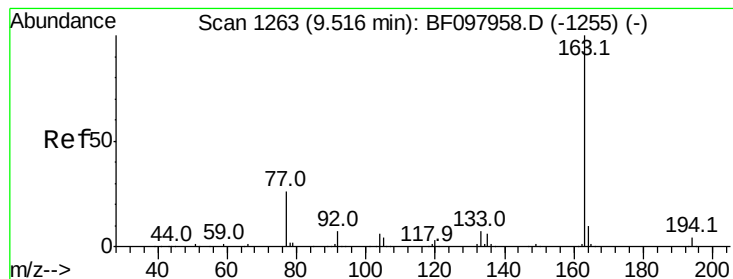
#44
 2-Fluorobiphenyl
 Concen: 80.114 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: BF098168.D
 Acq: 30 Aug 2017 21:03

Tgt Ion:172 Resp: 1233267
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 24.5 19.8 29.8



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: 3.701 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.24 min

Lab File: BF098168.D

Acq: 30 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

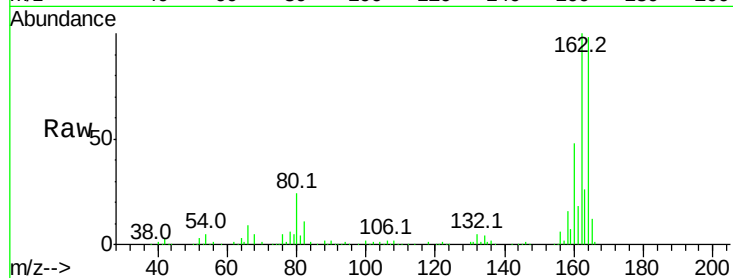
Tot Ion:163 Resp: 61192

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

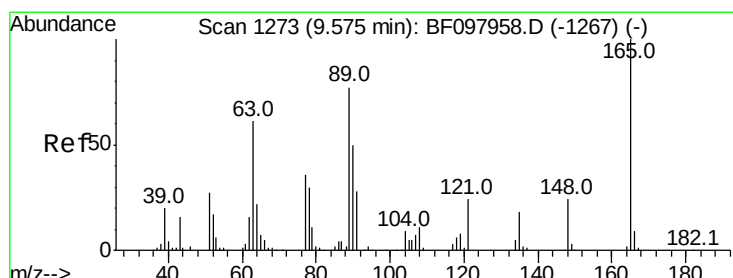
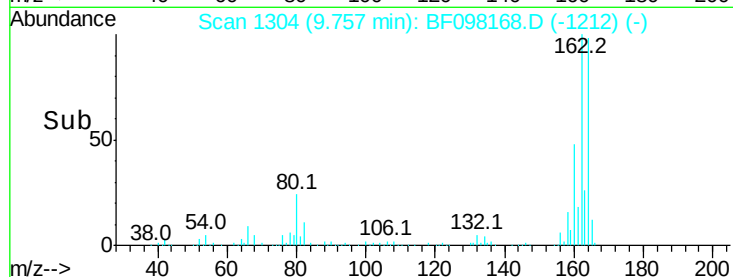
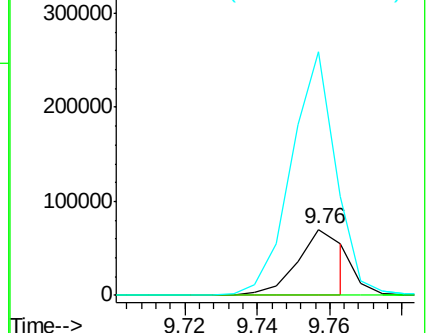
164 370.4 8.4 12.6#



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



#50

2,6-Dinitrotoluene

Concen: 8.624 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.18 min

Lab File: BF098168.D

Acq: 30 Aug 2017 21:03

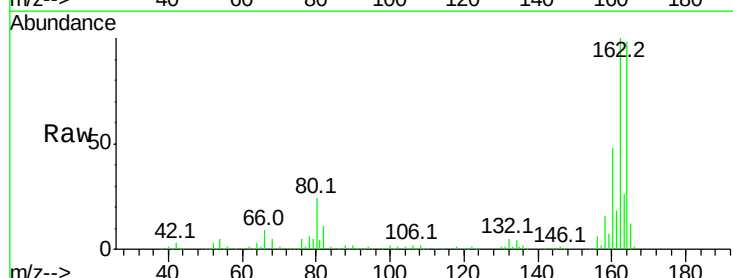
Tgt Ion:165 Resp: 28460

Ion Ratio Lower Upper

165 100

63 1.1 34.3 51.5#

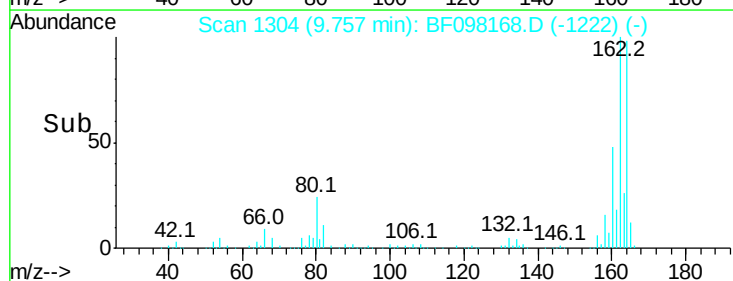
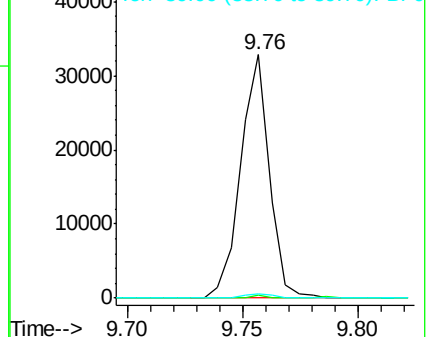
89 1.8 37.1 55.7#

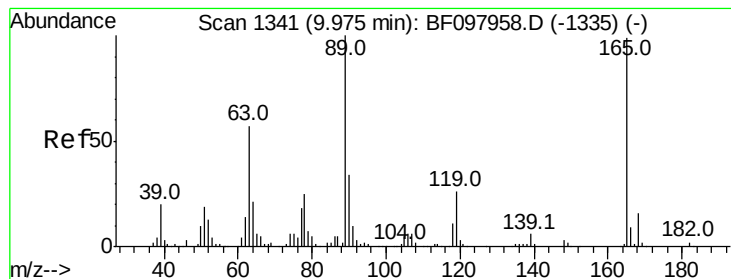


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.872 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.22 min

Lab File: BF098168.D

Acq: 30 Aug 2017 21:03

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 28460

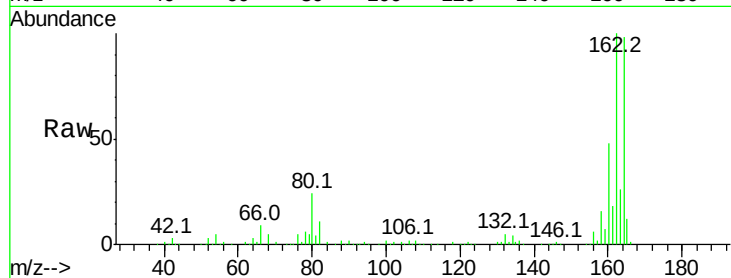
Ion Ratio Lower Upper

165 100

63 1.1 25.4 38.0#

89 1.8 46.4 69.6#

182 0.0 1.8 2.6#

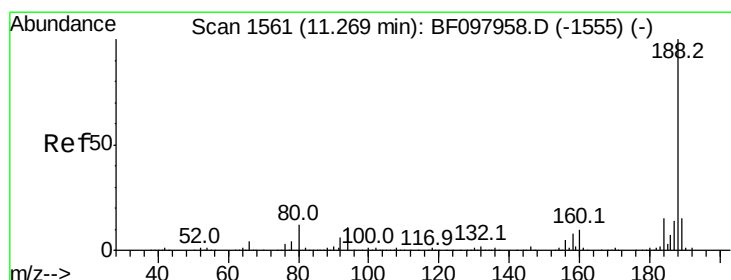
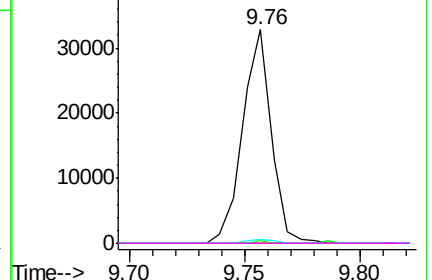
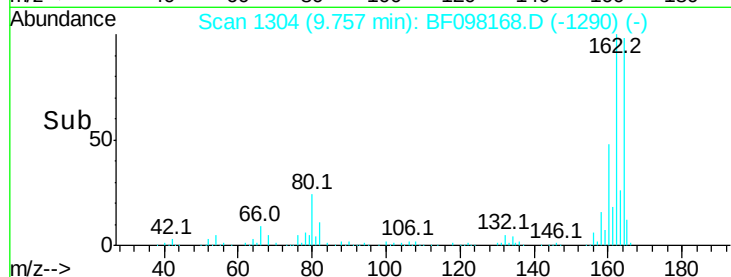


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.02 min

Lab File: BF098168.D

Acq: 30 Aug 2017 21:03

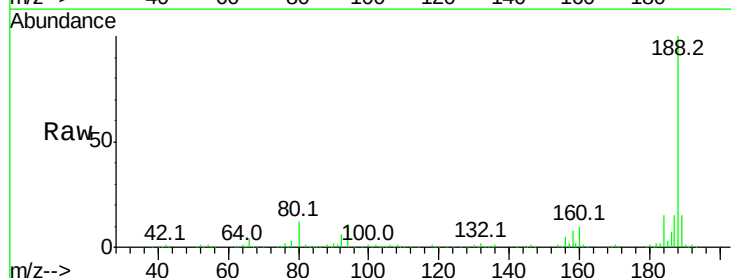
Tgt Ion:188 Resp: 403811

Ion Ratio Lower Upper

188 100

94 10.9 9.4 14.2

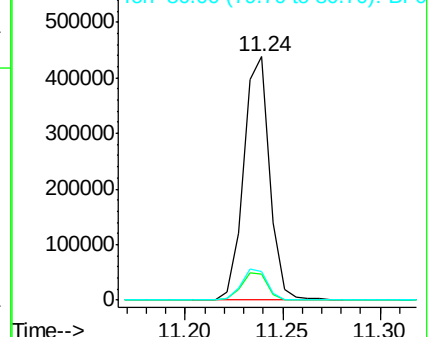
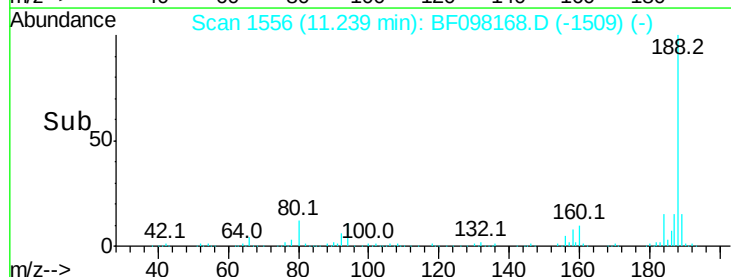
80 11.8 10.2 15.2

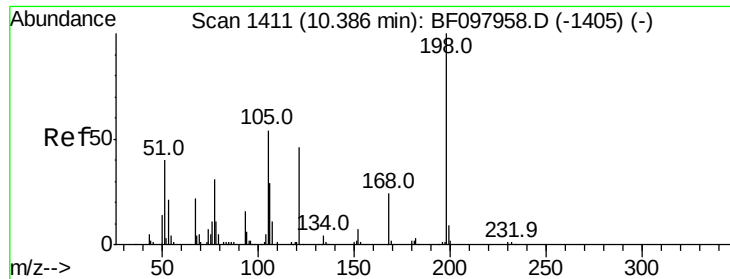


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 8.469 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.16 min

Lab File: BF098168.D

Acq: 30 Aug 2017 21:03

Instrument :

BNA_F

ClientSampled :

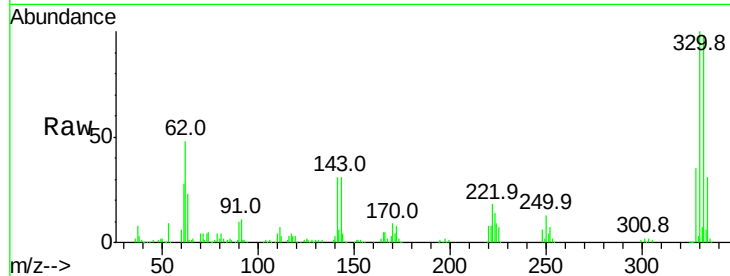
Tot Ion:198 Resp: 341

Ion Ratio Lower Upper

198 100

51 177.9 53.2 93.2#

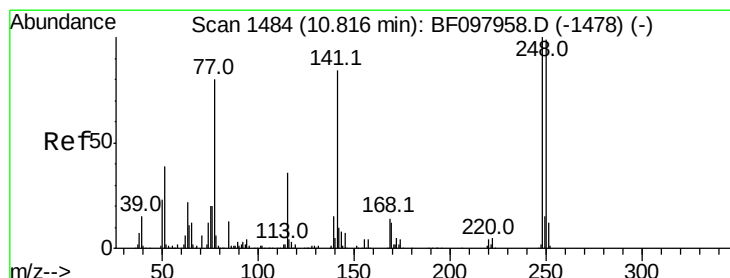
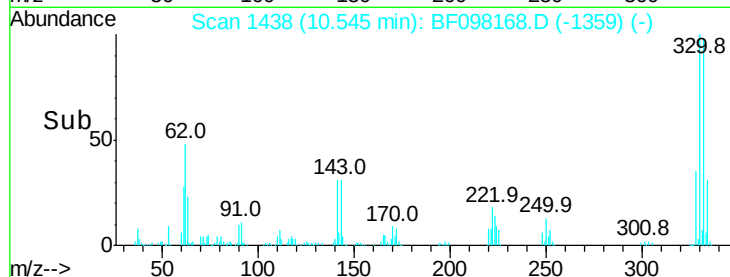
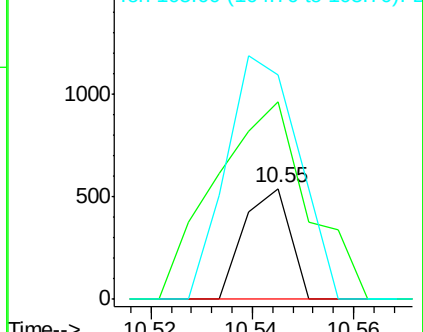
105 202.4 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.497 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.27 min

Lab File: BF098168.D

Acq: 30 Aug 2017 21:03

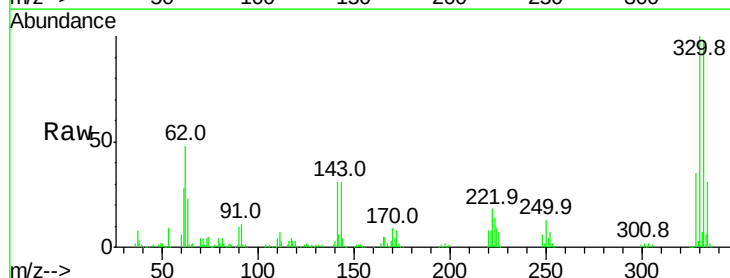
Tgt Ion:248 Resp: 14662

Ion Ratio Lower Upper

248 100

250 197.7 76.8 115.2#

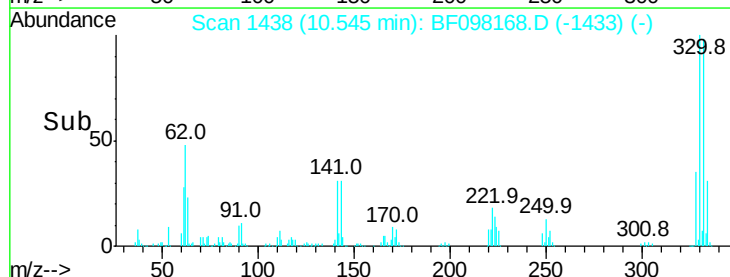
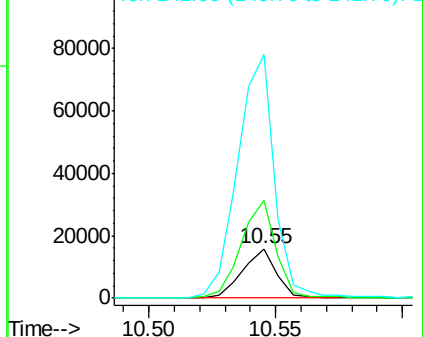
141 490.1 68.6 103.0#

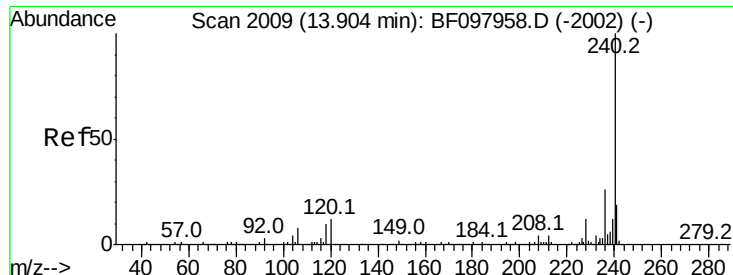


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

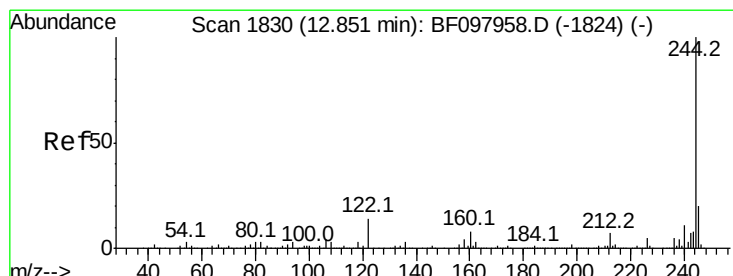
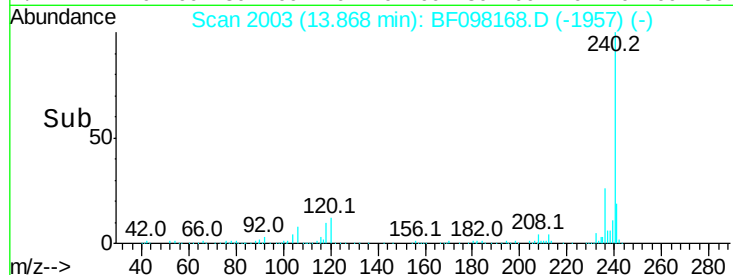
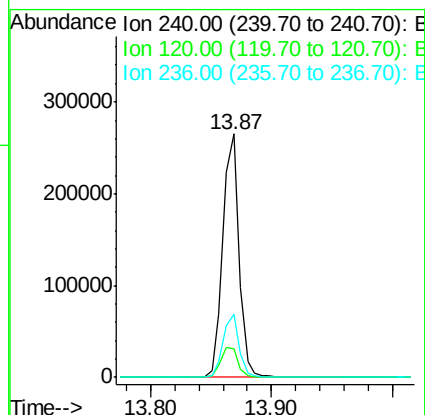
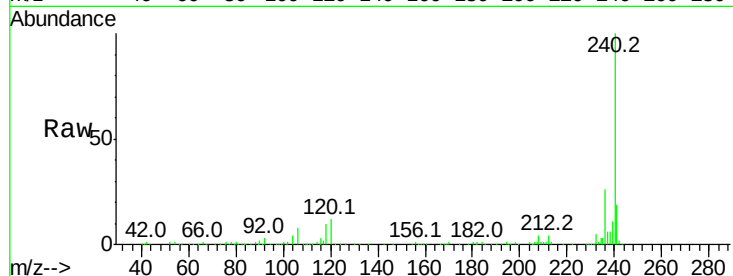




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.03 min
 Lab File: BF098168.D
 Acq: 30 Aug 2017 21:03

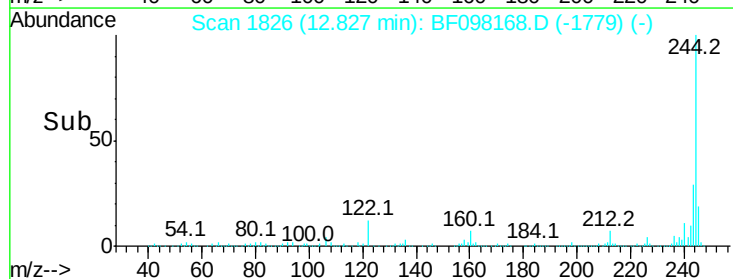
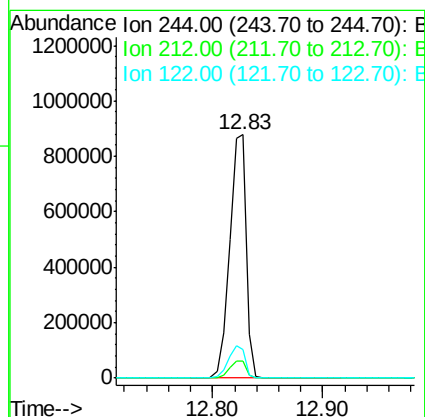
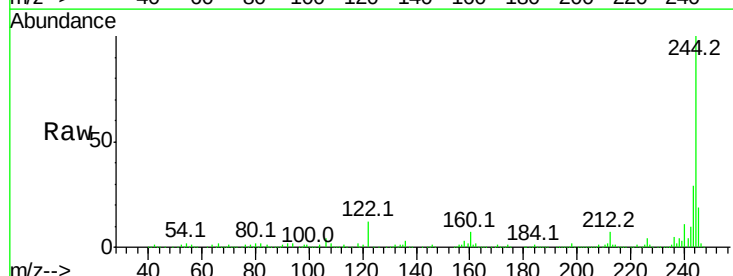
Instrument :
 BNA_F
 ClientSampleId :

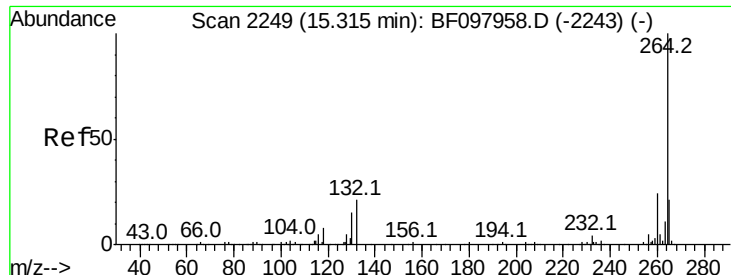
Tot Ion:240 Resp: 245173
 Ion Ratio Lower Upper
 240 100
 120 11.8 5.8 8.8#
 236 26.0 20.5 30.7



#78
 Terphenyl-d14
 Concen: 78.492 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF098168.D
 Acq: 30 Aug 2017 21:03

Tgt Ion:244 Resp: 922834
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 11.6 10.3 15.5

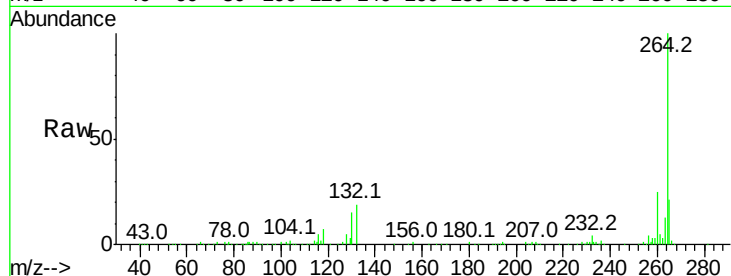




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. -0.03 min
 Lab File: BF098168.D
 Acq: 30 Aug 2017 21:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	21.4	17.2	25.8



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

