

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098153.D
 Acq On : 30 Aug 2017 12:09
 Operator : SJ/JU
 Sample : I4993-03
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 12:36:54 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

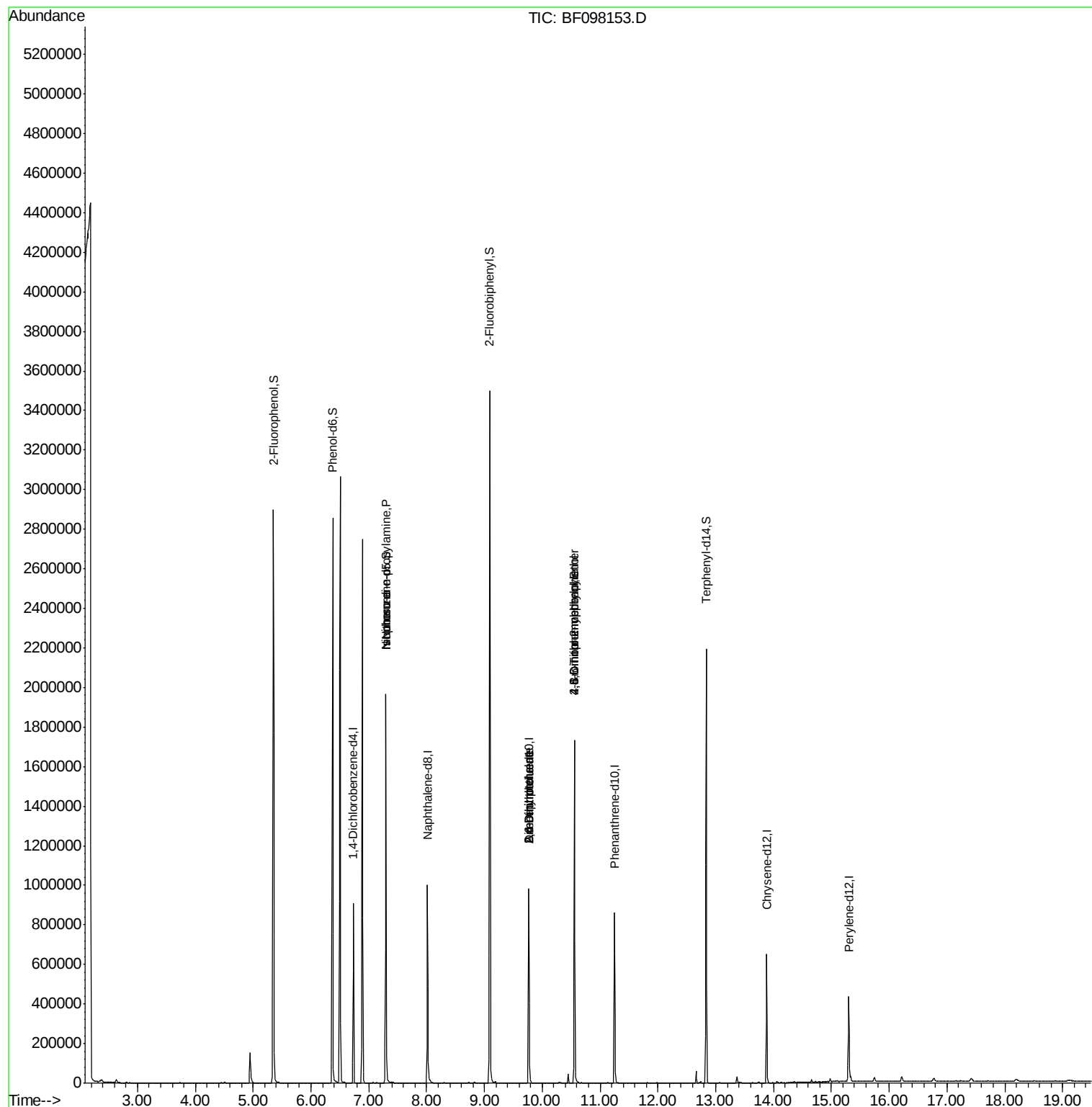
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	114166	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	451662	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	185473	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	292827	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	226288	20.00	ng	-0.02
86) Perylene-d12	15.30	264	199541	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	908456	121.04	ng	0.00
7) Phenol-d6	6.37	99	1119889	109.81	ng	-0.01
23) Nitrobenzene-d5	7.30	82	785433	94.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	193863	120.47	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	1196948	94.82	ng	-0.02
78) Terphenyl-d14	12.84	244	716856	66.06	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	104257	14.934	ng	# 73
25) Isophorone	7.30	82	773280	44.729	ng	# 67
49) Dimethylphthalate	9.77	163	49805	3.674	ng	# 1
50) 2,6-Dinitrotoluene	9.77	165	24010	8.872	ng	# 33
56) 2,4-Dinitrotoluene	9.77	165	24010	7.070	ng	# 32
64) 4,6-Dinitro-2-methylphenol	10.56	198	375	8.545	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	12563	4.131	ng	# 1

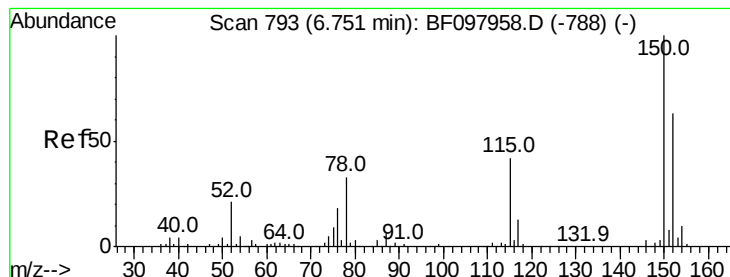
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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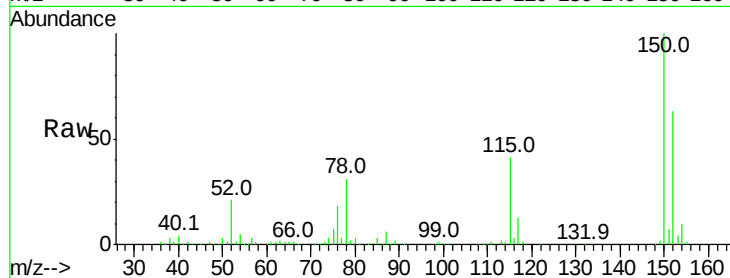


#1

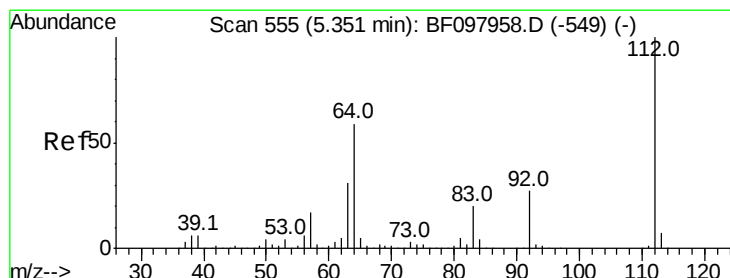
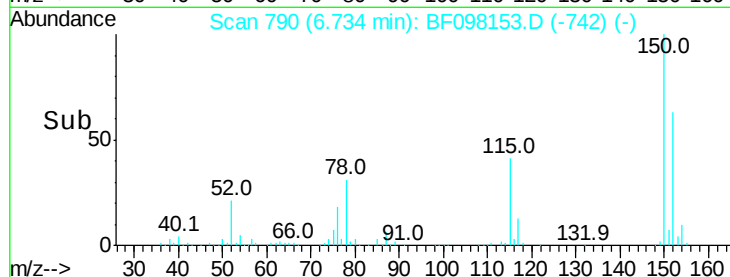
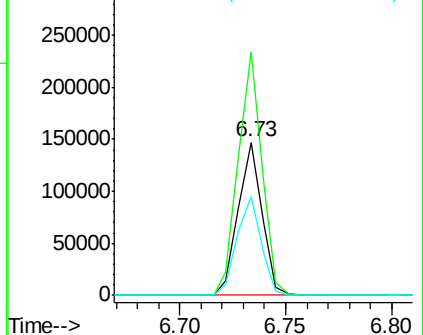
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098153.D
Acq: 30 Aug 2017 12:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114166
Ion Ratio Lower Upper
152 100
150 159.0 126.2 189.2
115 64.8 52.2 78.2



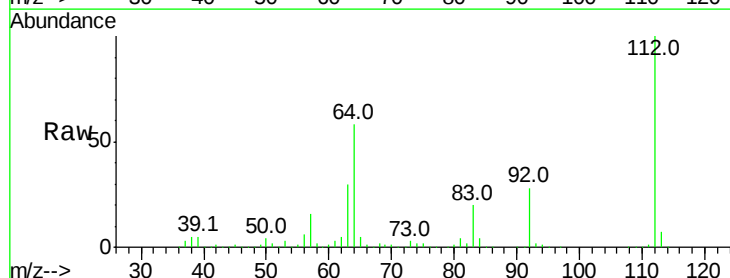
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



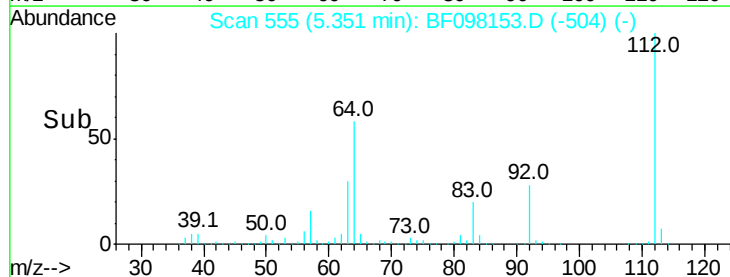
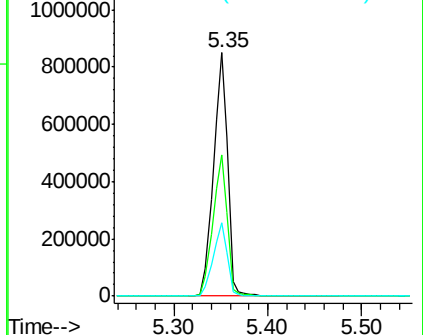
#5

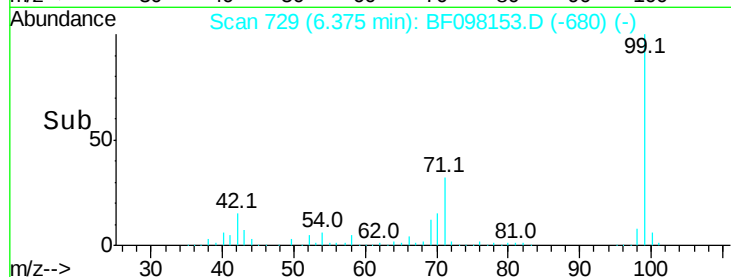
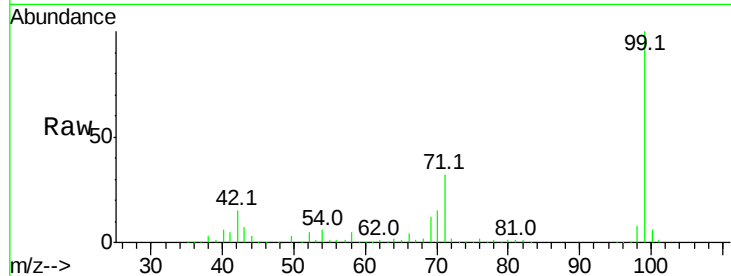
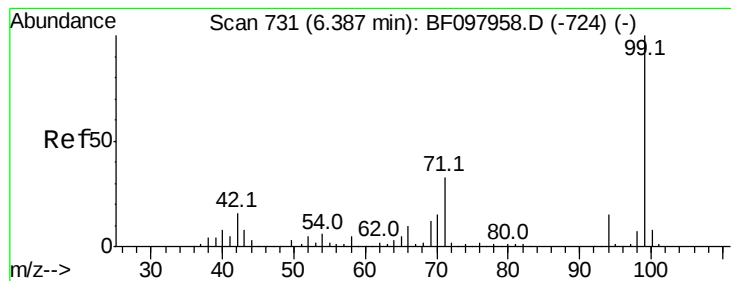
2-Fluorophenol
Concen: 121.037 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF098153.D
Acq: 30 Aug 2017 12:09

Tgt Ion:112 Resp: 908456
Ion Ratio Lower Upper
112 100
64 58.1 46.0 69.0
63 30.0 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: 109.815 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098153.D

Acq: 30 Aug 2017 12:09

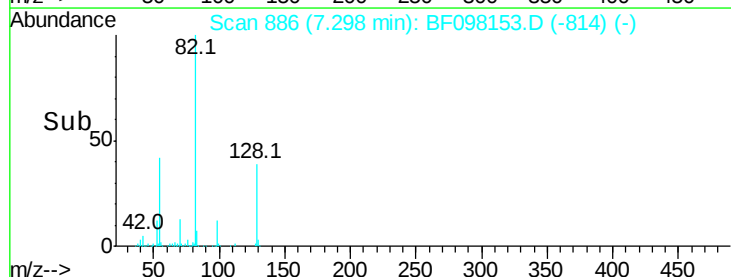
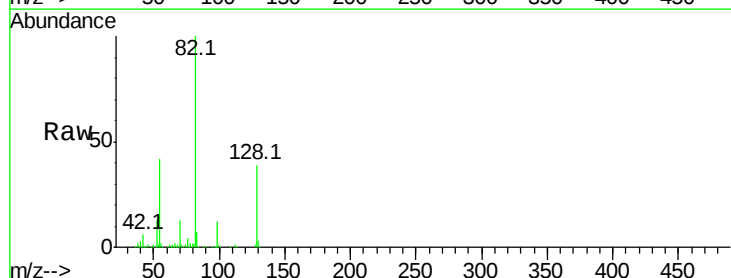
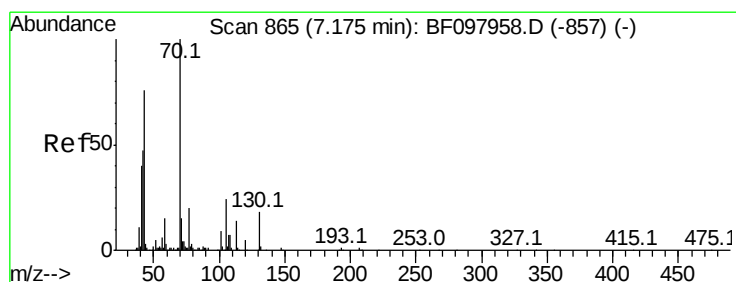
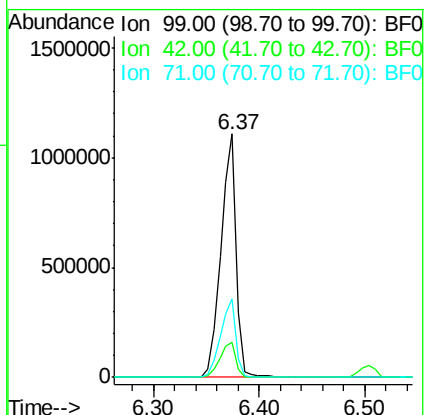
Tot Ion: 99 Resp: 1119889

Ion Ratio Lower Upper

99 100

42 14.6 13.5 20.3

71 32.1 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.934 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF098153.D

Acq: 30 Aug 2017 12:09

Tgt Ion: 70 Resp: 104257

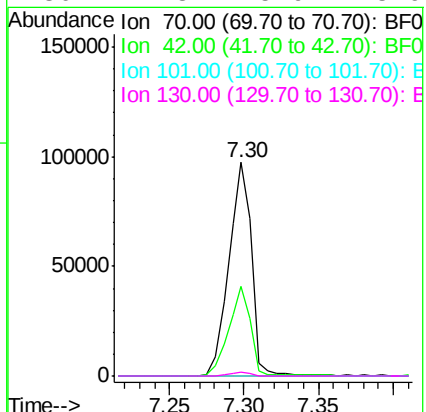
Ion Ratio Lower Upper

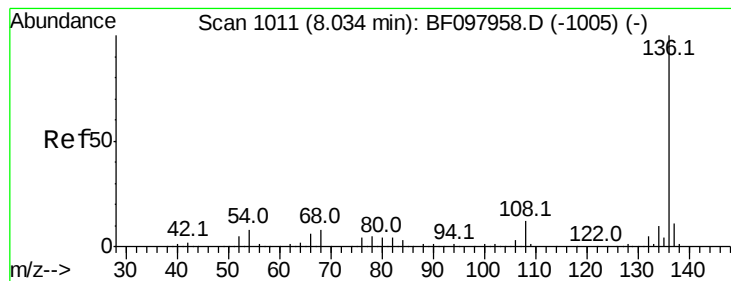
70 100

42 41.9 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF098153.D

Acq: 30 Aug 2017 12:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 451662

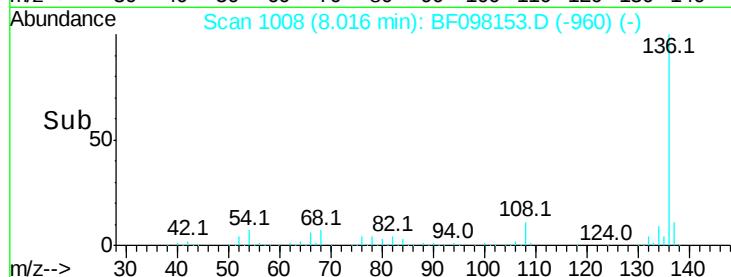
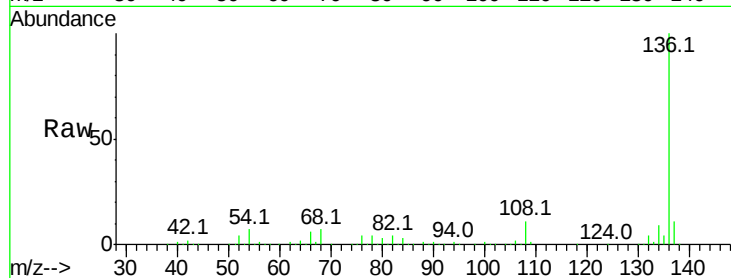
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.5 4.9 7.3#

68 7.1 4.1 6.1#

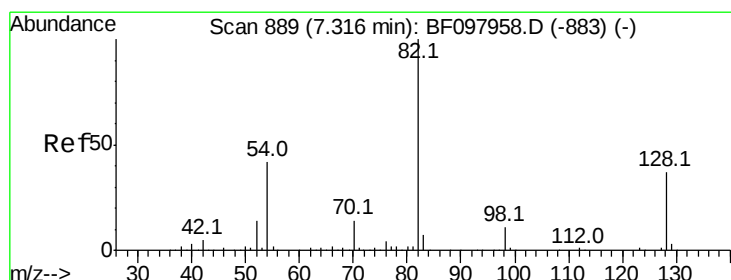
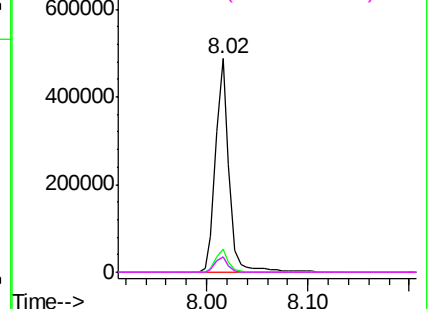


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.470 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.02 min

Lab File: BF098153.D

Acq: 30 Aug 2017 12:09

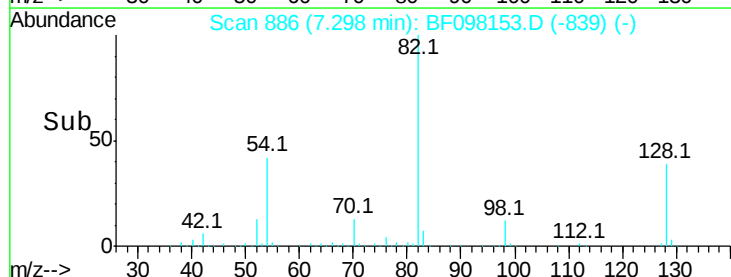
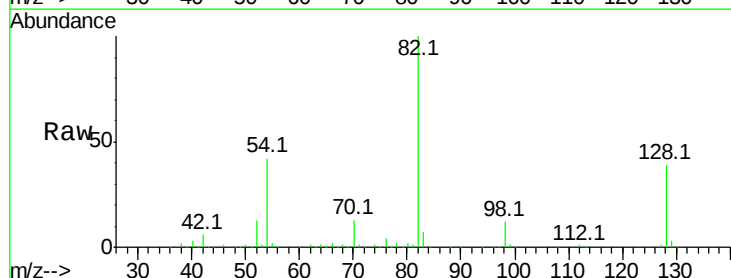
Tgt Ion: 82 Resp: 785433

Ion Ratio Lower Upper

82 100

128 39.1 34.0 51.0

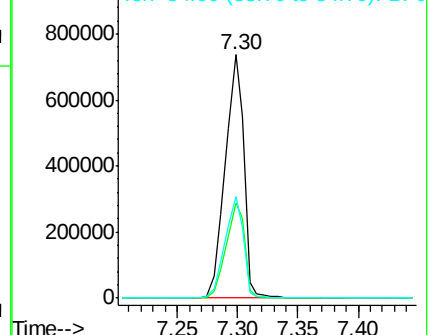
54 41.9 42.2 63.2#

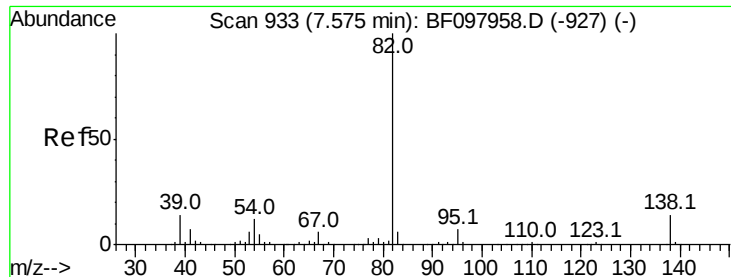


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 44.729 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.28 min

Lab File: BF098153.D

Acq: 30 Aug 2017 12:09

Instrument :

BNA_F

ClientSampled :

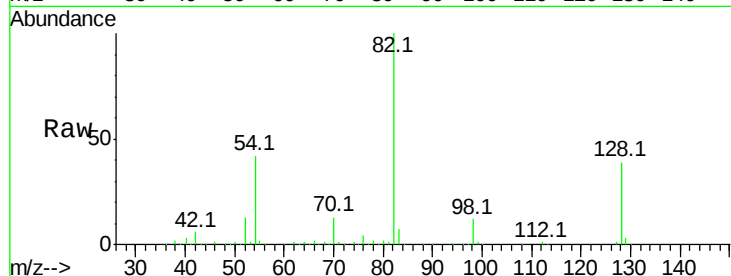
Tot Ion: 82 Resp: 773280

Ion Ratio Lower Upper

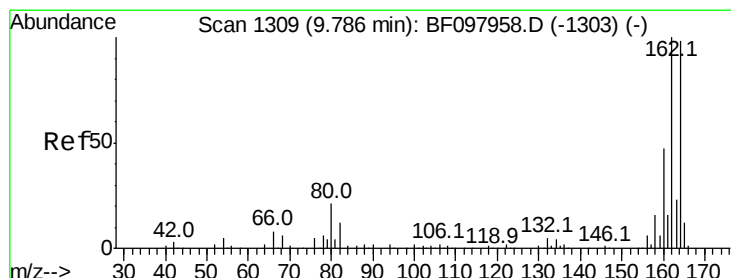
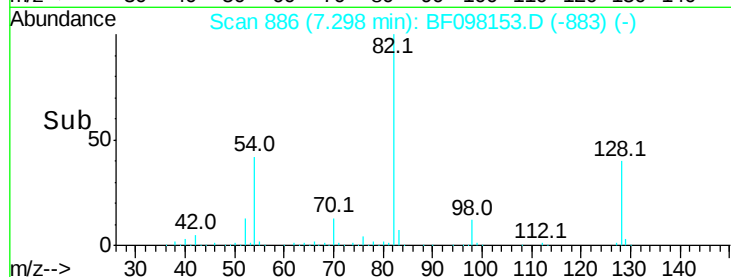
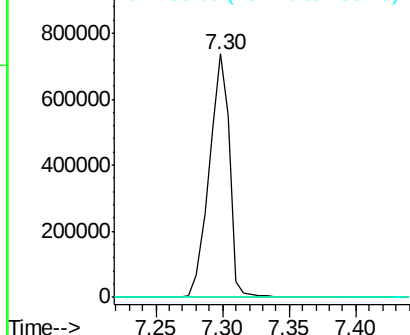
82 100

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: 9.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF098153.D

Acq: 30 Aug 2017 12:09

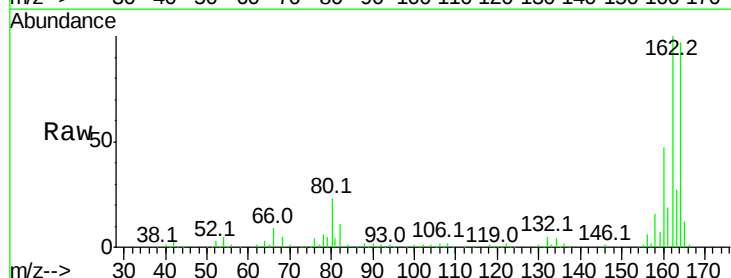
Tgt Ion:164 Resp: 185473

Ion Ratio Lower Upper

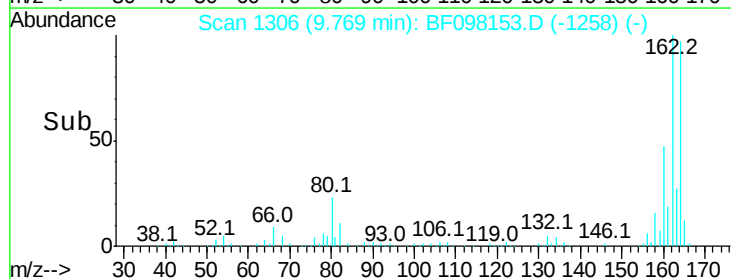
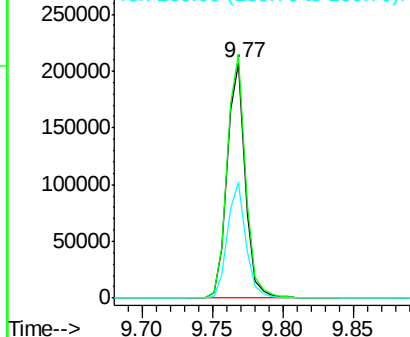
164 100

162 103.5 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

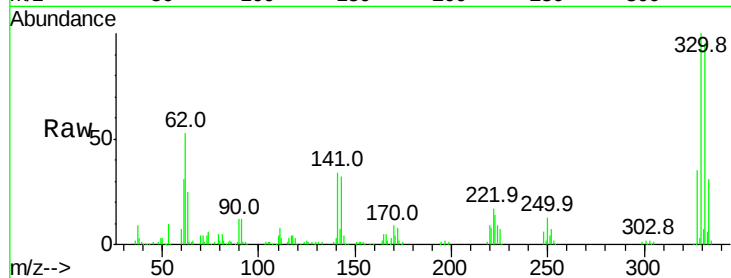




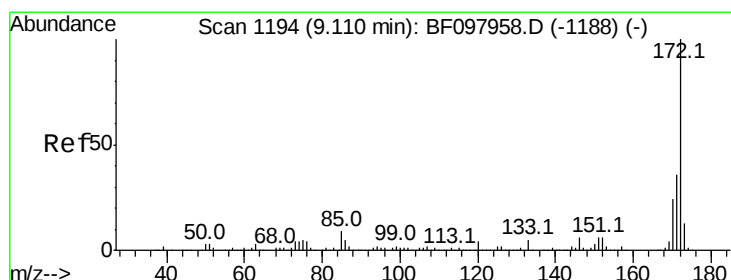
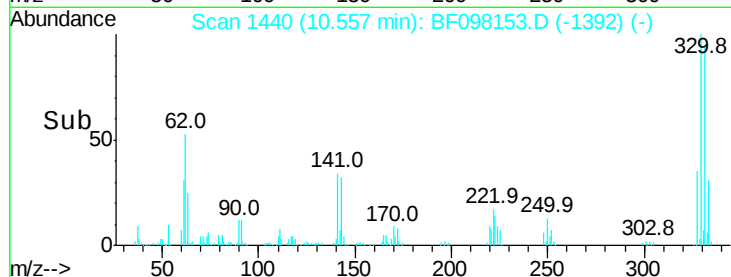
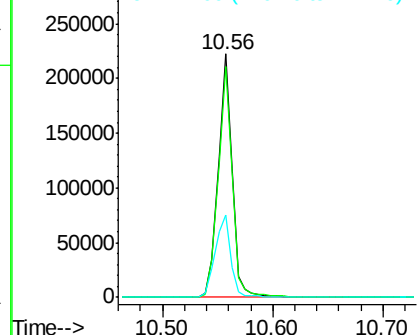
#41
 2,4,6-Tribromophenol
 Concen: 120.466 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098153.D
 Acq: 30 Aug 2017 12:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	37.4	31.4	47.2

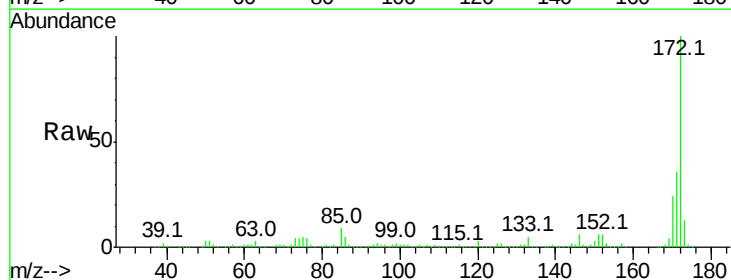


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

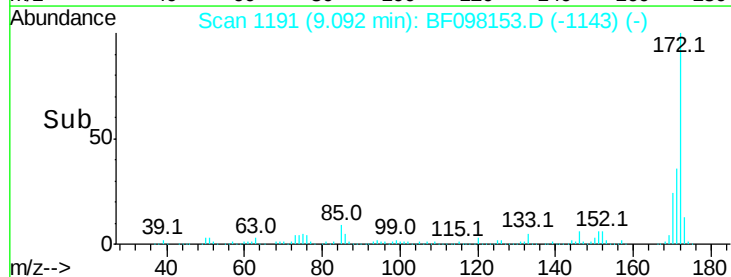
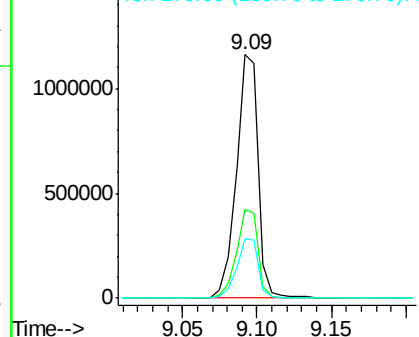


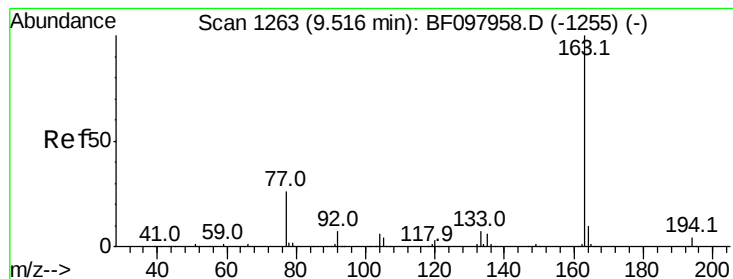
#44
 2-Fluorobiphenyl
 Concen: 94.815 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF098153.D
 Acq: 30 Aug 2017 12:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.2	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: 3.674 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.25 min

Lab File: BF098153.D

Acq: 30 Aug 2017 12:09

Instrument :

BNA_F

ClientSampled :

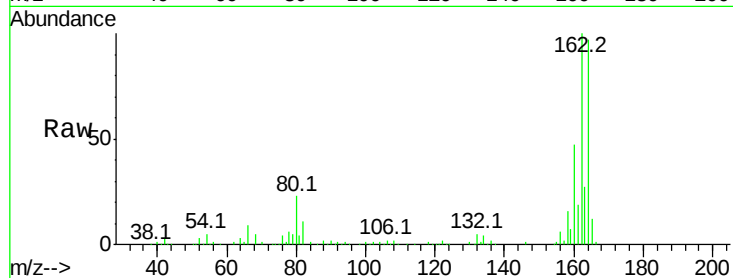
Tot Ion:163 Resp: 49805

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

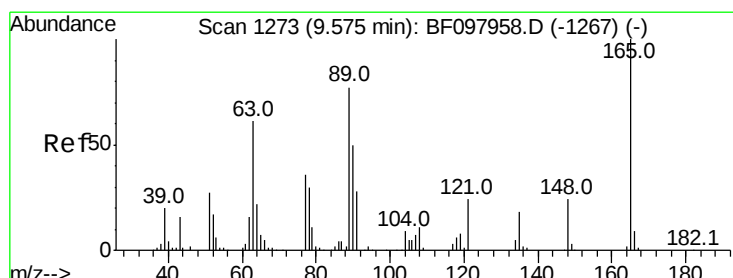
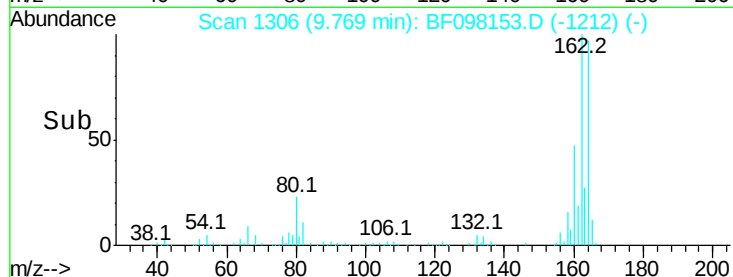
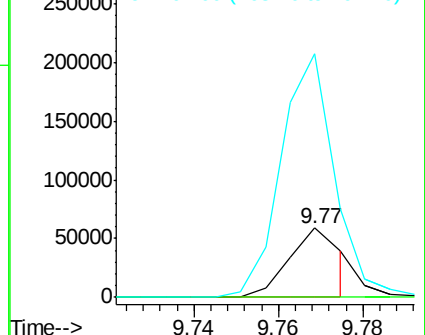
164 352.2 8.4 12.6#



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: 8.872 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.19 min

Lab File: BF098153.D

Acq: 30 Aug 2017 12:09

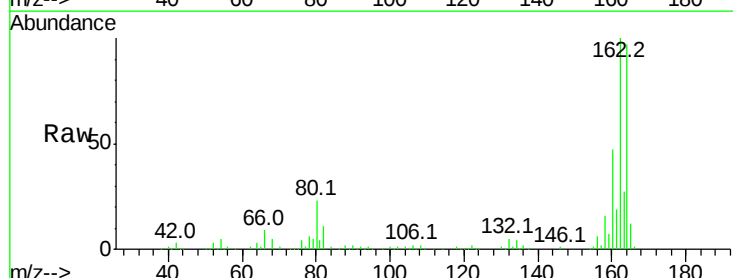
Tgt Ion:165 Resp: 24010

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

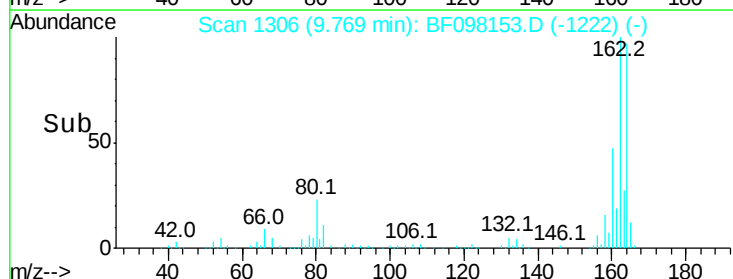
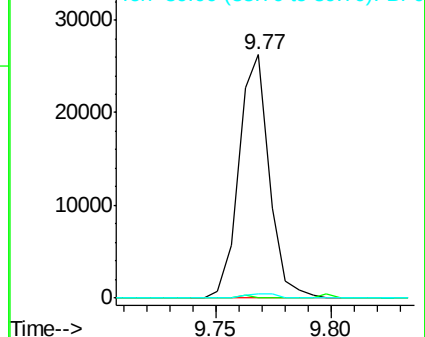
89 1.9 37.1 55.7#

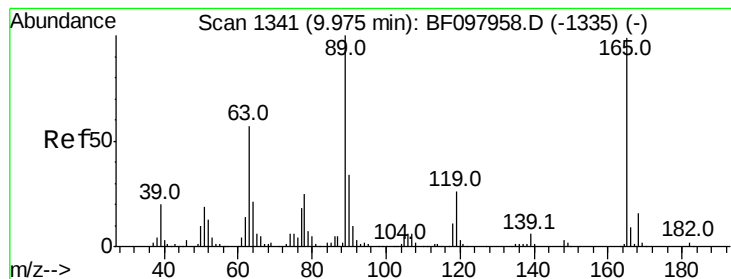


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 7.070 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.21 min

Lab File: BF098153.D

Acq: 30 Aug 2017 12:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 24010

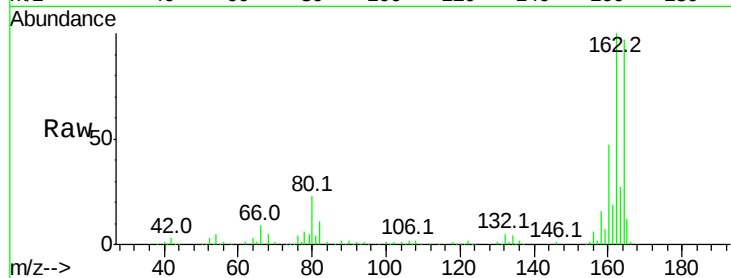
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 1.9 46.4 69.6#

182 0.0 1.8 2.6#

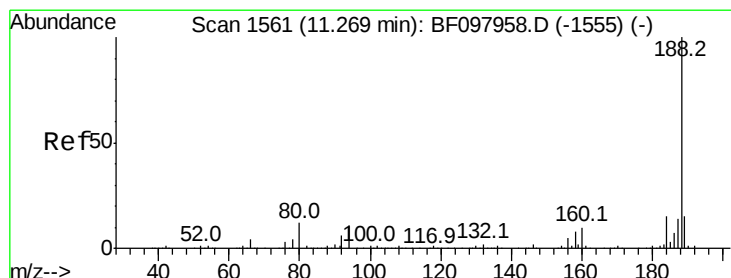
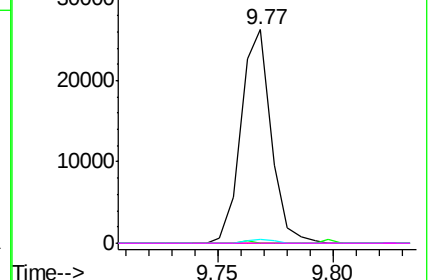
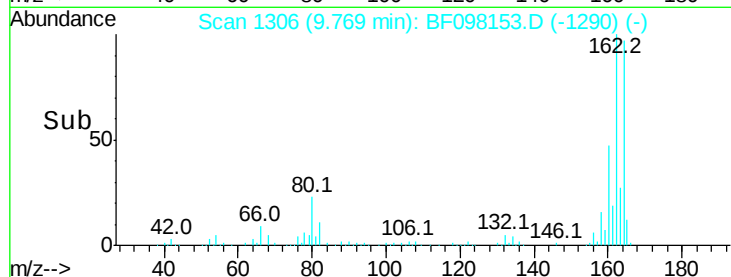


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098153.D

Acq: 30 Aug 2017 12:09

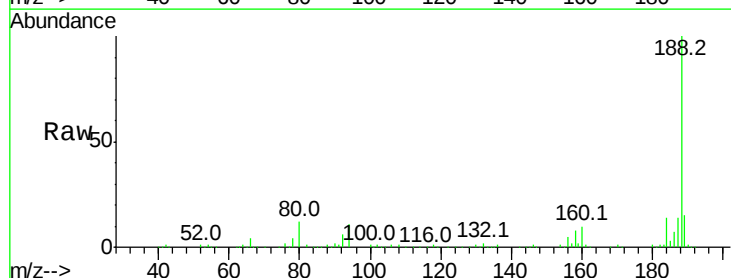
Tgt Ion:188 Resp: 292827

Ion Ratio Lower Upper

188 100

94 11.0 9.4 14.2

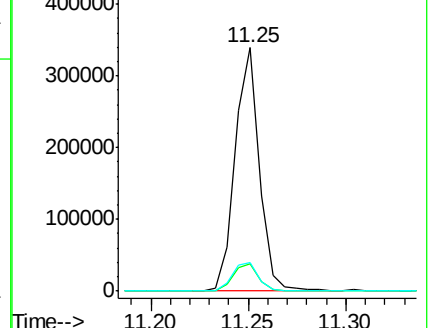
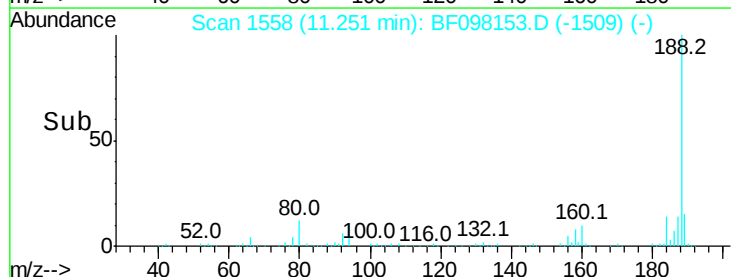
80 11.9 10.2 15.2

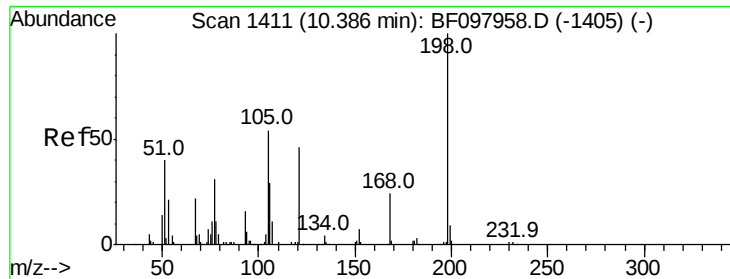


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.545 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.18 min

Lab File: BF098153.D

Acq: 30 Aug 2017 12:09

Instrument :

BNA_F

ClientSampleId :

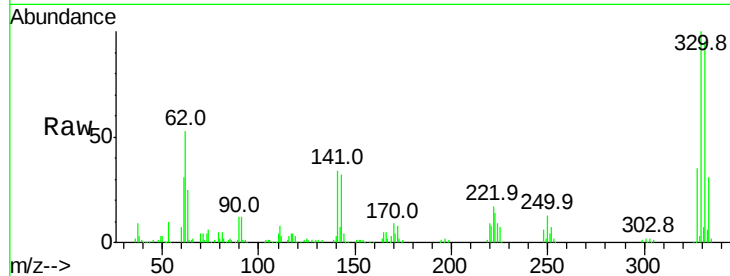
Tot Ion:198 Resp: 375

Ion Ratio Lower Upper

198 100

51 143.1 53.2 93.2#

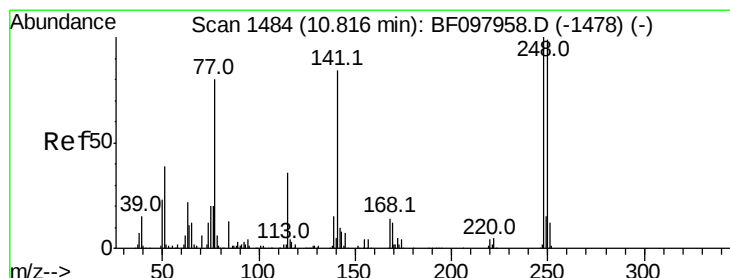
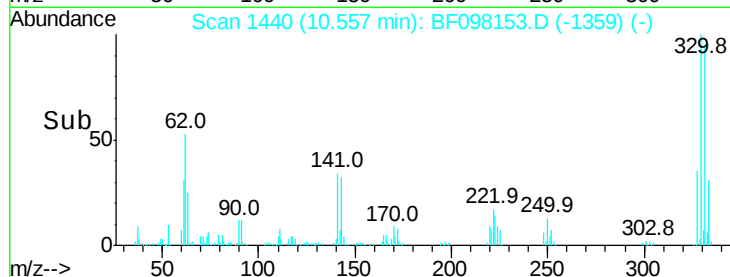
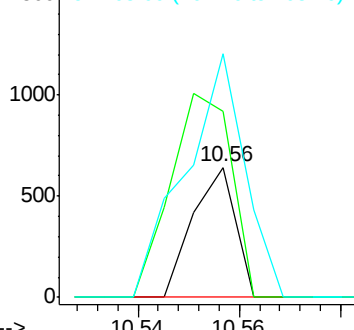
105 187.1 45.8 85.8#



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: 4.131 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.26 min

Lab File: BF098153.D

Acq: 30 Aug 2017 12:09

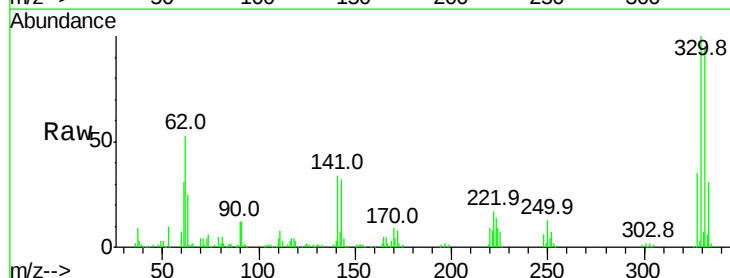
Tgt Ion:248 Resp: 12563

Ion Ratio Lower Upper

248 100

250 207.7 76.8 115.2#

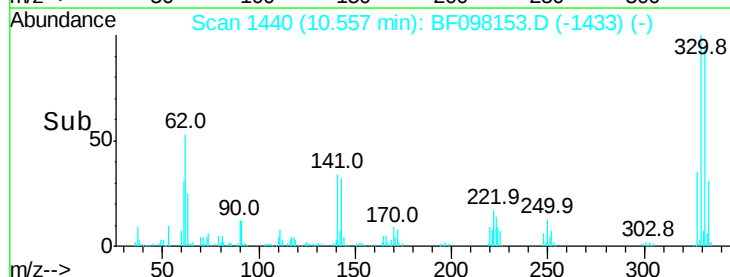
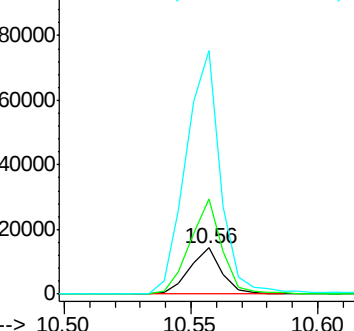
141 530.3 68.6 103.0#

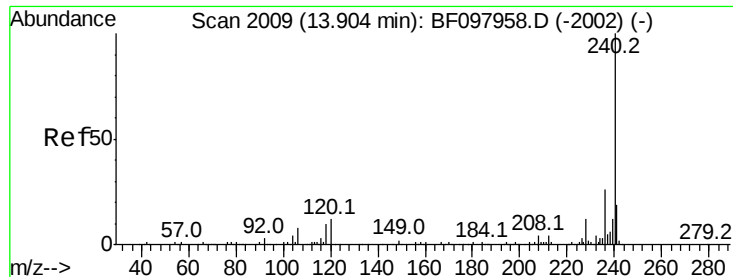


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF098153.D

Acq: 30 Aug 2017 12:09

Instrument :

BNA_F

ClientSampleId :

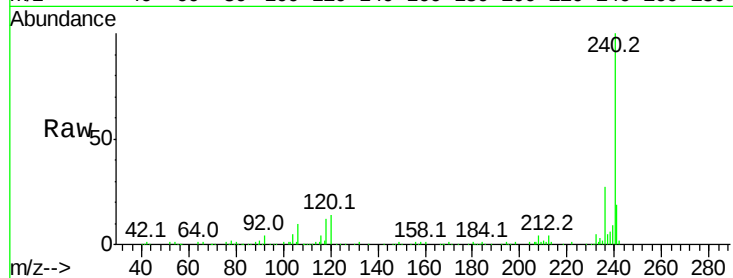
Tot Ion:240 Resp: 226288

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

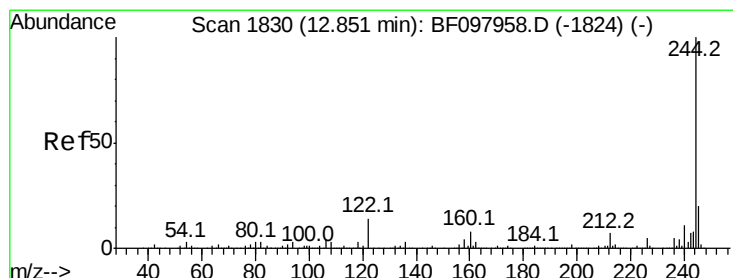
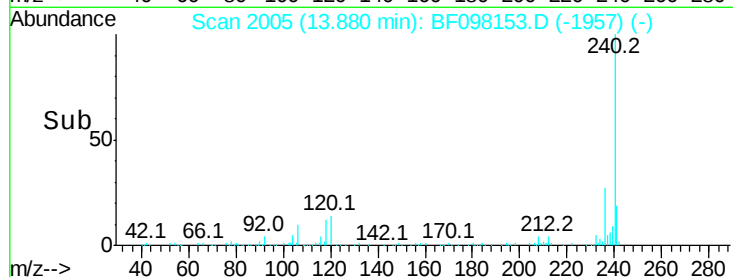
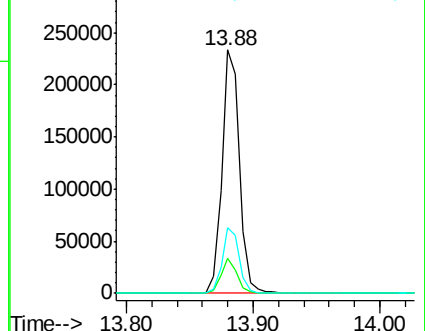
236 26.8 20.5 30.7



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: 66.061 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098153.D

Acq: 30 Aug 2017 12:09

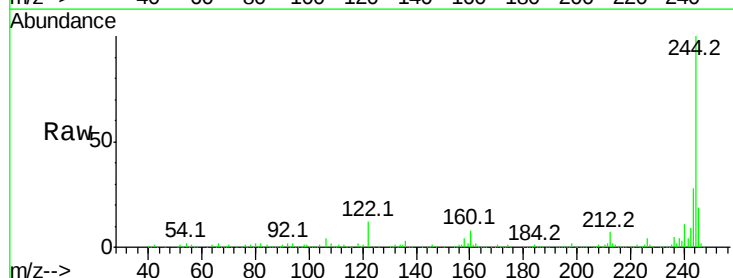
Tgt Ion:244 Resp: 716856

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

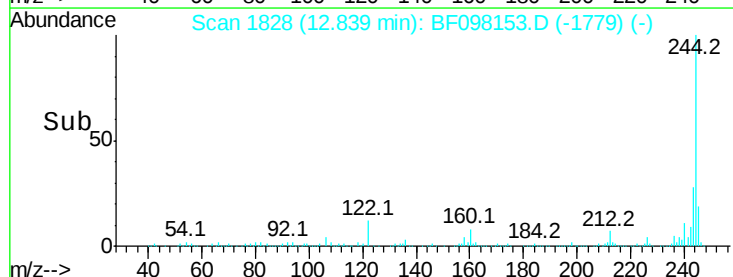
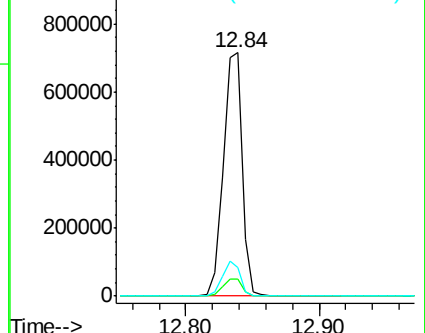
122 11.6 10.3 15.5

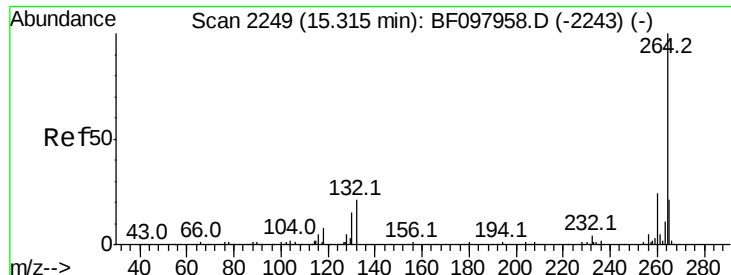


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

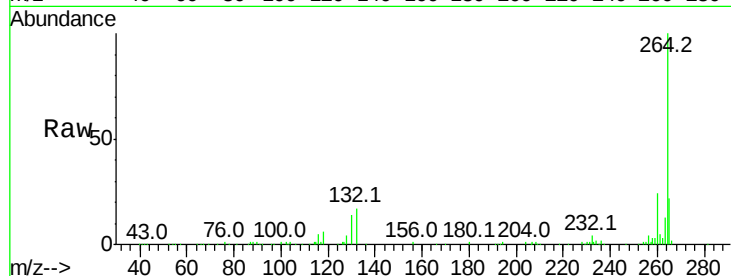




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.01 min
 Lab File: BF098153.D
 Acq: 30 Aug 2017 12:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.9	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

