

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098163.D
 Acq On : 30 Aug 2017 18:43
 Operator : SJ/JU
 Sample : PB101906TB
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 06:41:25 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

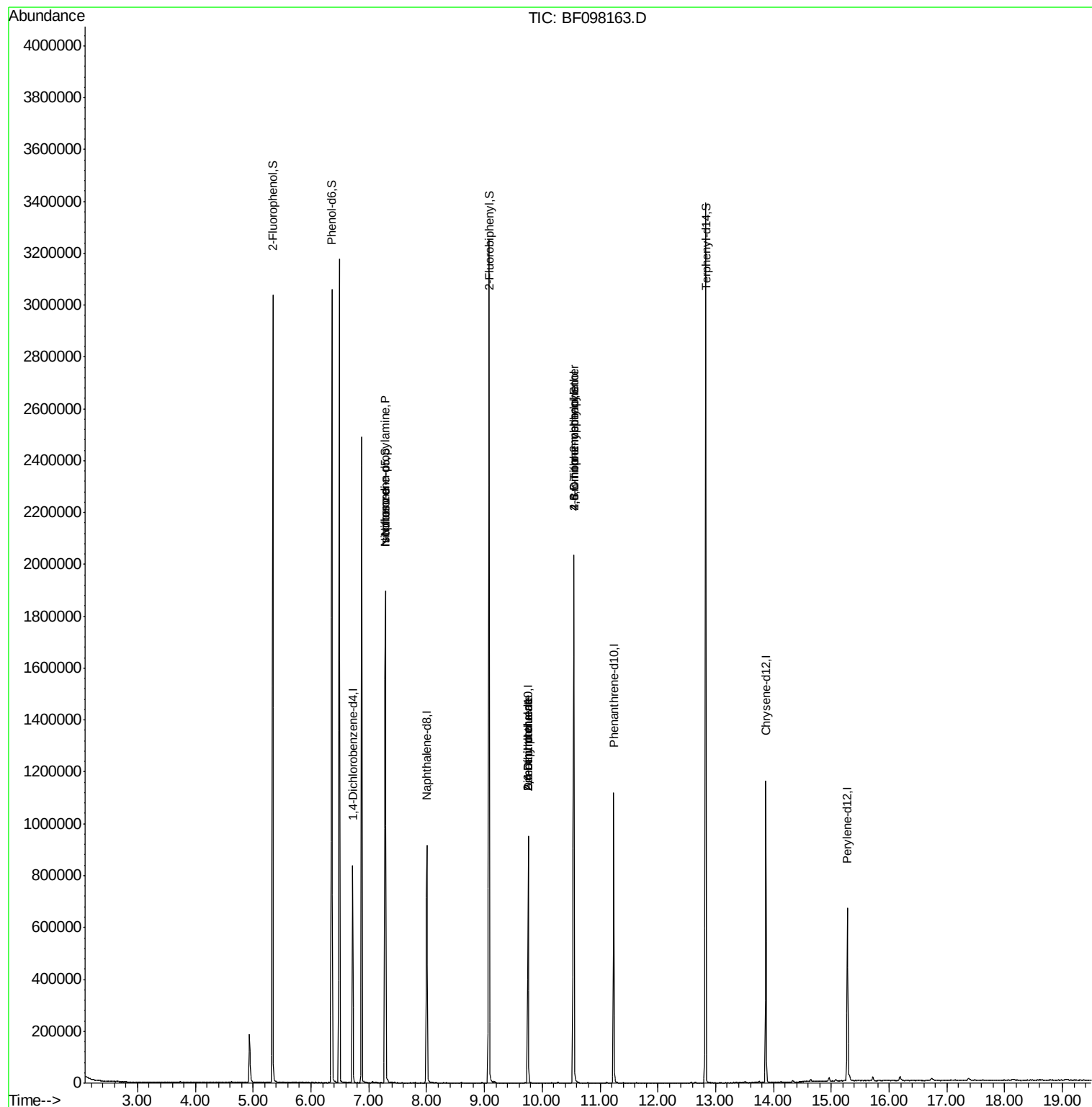
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	113499	20.00	ng	-0.03
21) Naphthalene-d8	8.00	136	462450	20.00	ng	-0.03
38) Acenaphthene-d10	9.76	164	209416	20.00	ng	-0.03
63) Phenanthrene-d10	11.23	188	434718	20.00	ng	-0.03
75) Chrysene-d12	13.87	240	392476	20.00	ng	-0.03
86) Perylene-d12	15.28	264	285733	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	971653	130.22	ng	-0.01
7) Phenol-d6	6.36	99	1286853	126.93	ng	-0.02
23) Nitrobenzene-d5	7.29	82	809664	95.11	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	270147	148.68	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	1265162	88.76	ng	-0.03
78) Terphenyl-d14	12.83	244	1245636	66.18	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	107394	15.474	ng	# 70
25) Isophorone	7.29	82	794818	44.902	ng	# 67
49) Dimethylphthalate	9.76	163	58772	3.839	ng	# 1
50) 2,6-Dinitrotoluene	9.76	165	26717	8.744	ng	# 33
56) 2,4-Dinitrotoluene	9.76	165	26717	6.967	ng	# 32
64) 4,6-Dinitro-2-methylphenol	10.55	198	432	8.495	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	17577	3.894	ng	# 1

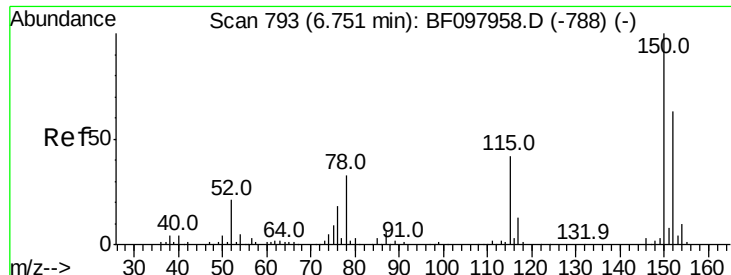
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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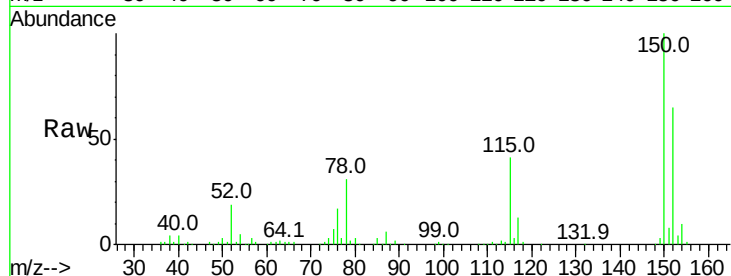


#1

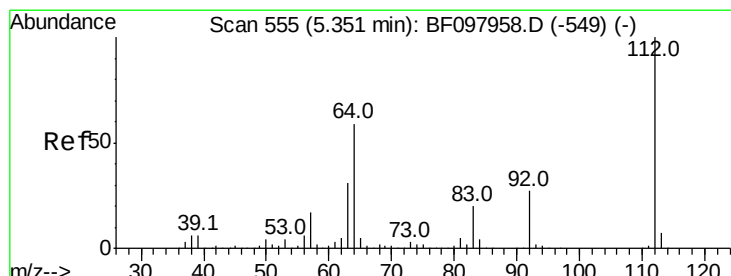
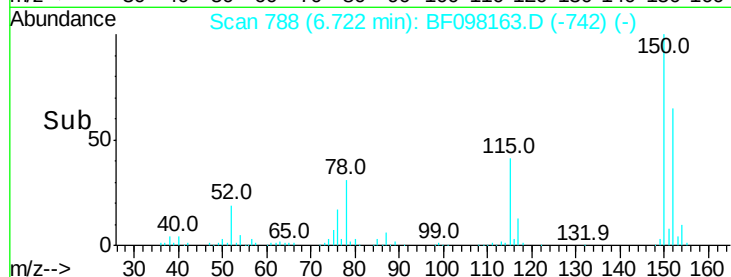
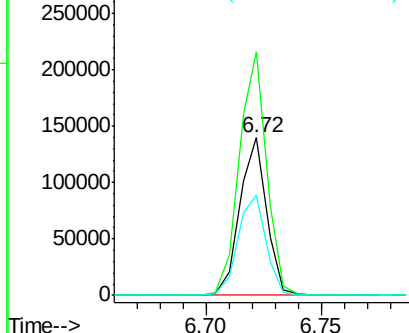
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.03 min
 Lab File: BF098163.D
 Acq: 30 Aug 2017 18:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 113499
 Ion Ratio Lower Upper
 152 100
 150 154.4 126.2 189.2
 115 63.7 52.2 78.2



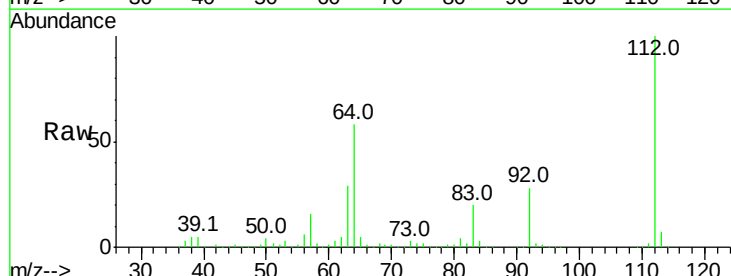
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



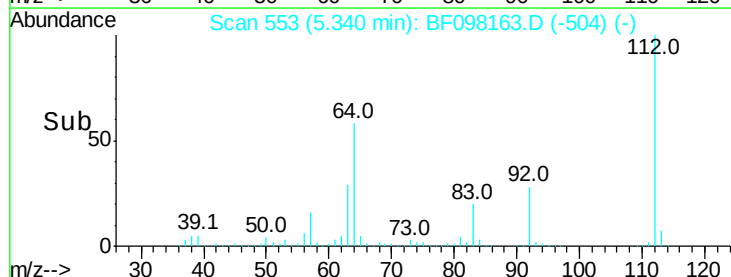
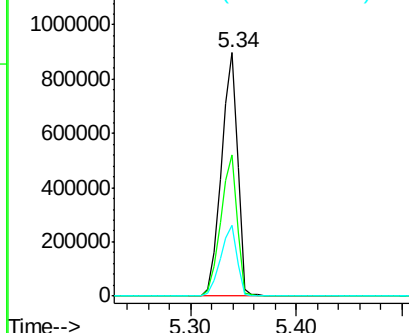
#5

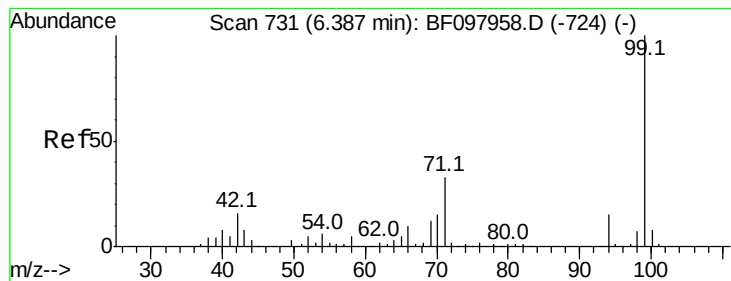
2-Fluorophenol
 Concen: 130.218 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF098163.D
 Acq: 30 Aug 2017 18:43

Tgt Ion:112 Resp: 971653
 Ion Ratio Lower Upper
 112 100
 64 57.9 46.0 69.0
 63 29.2 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: 126.929 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098163.D

Acq: 30 Aug 2017 18:43

Instrument :

BNA_F

ClientSampleId :

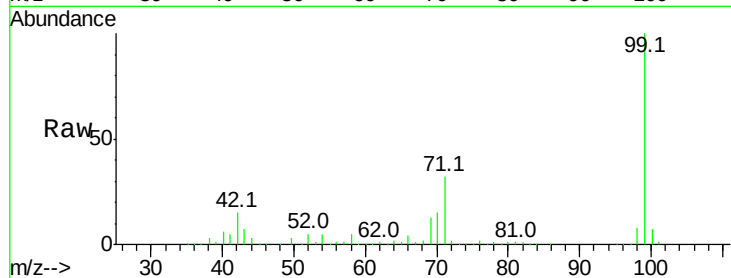
Tot Ion: 99 Resp: 1286853

Ion Ratio Lower Upper

99 100

42 14.7 13.5 20.3

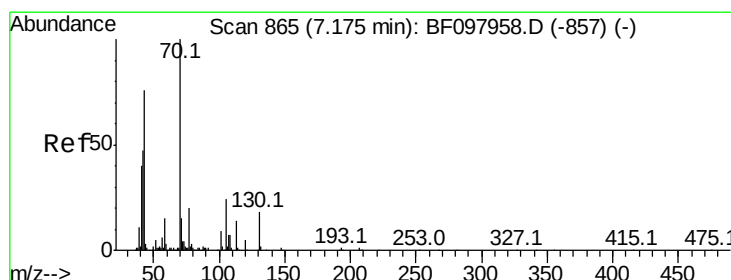
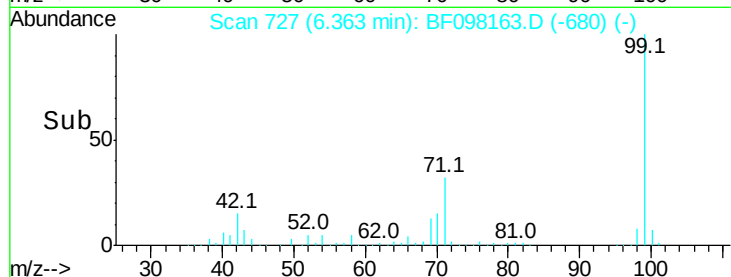
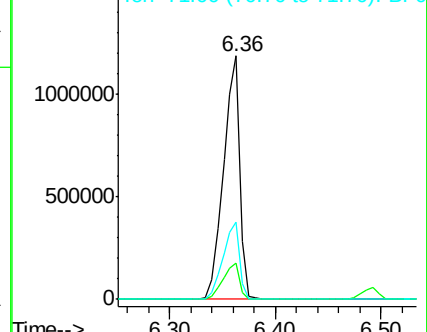
71 31.9 24.5 36.7



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: 15.474 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF098163.D

Acq: 30 Aug 2017 18:43

Tgt Ion: 70 Resp: 107394

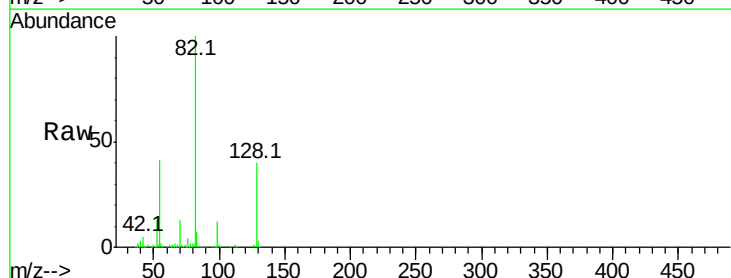
Ion Ratio Lower Upper

70 100

42 38.4 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

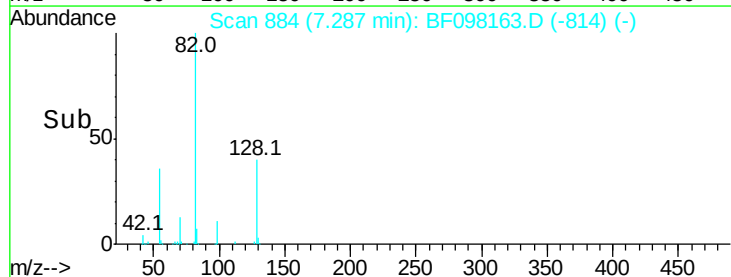
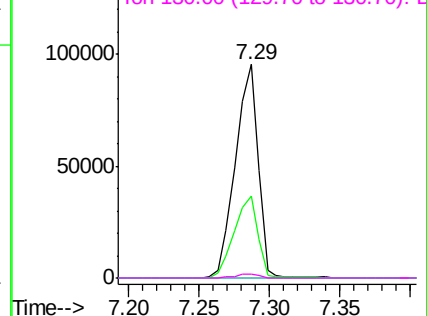


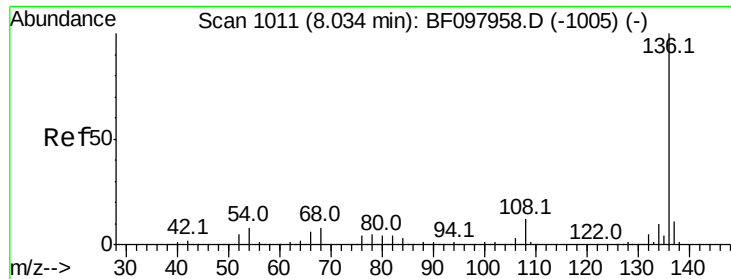
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

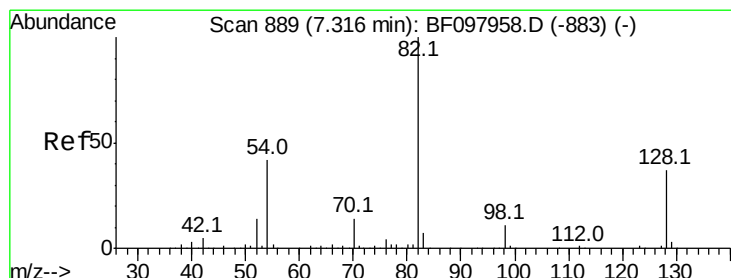
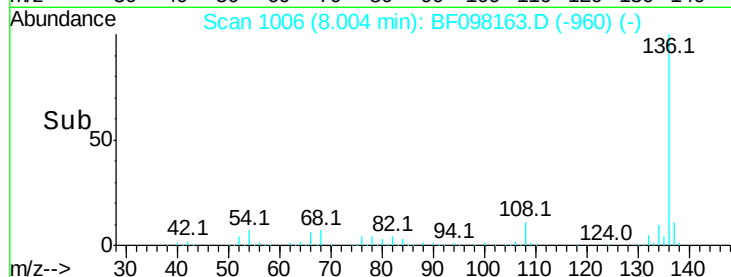
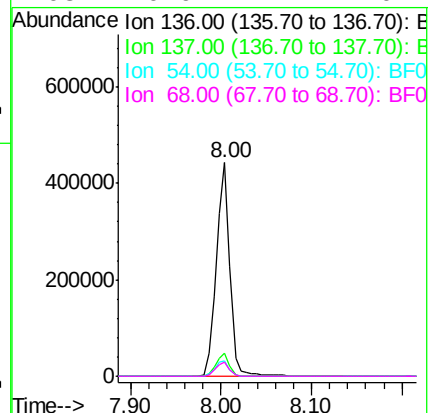
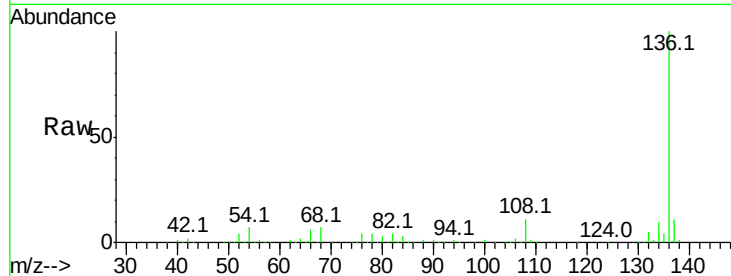




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BF098163.D
Acq: 30 Aug 2017 18:43

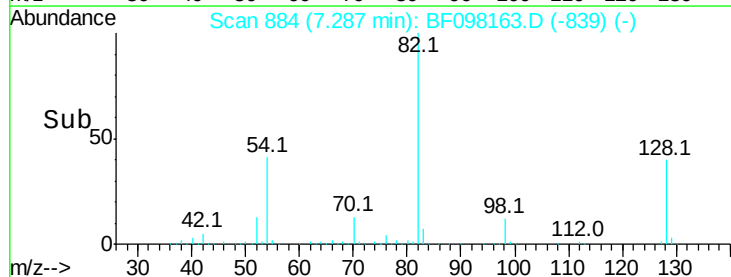
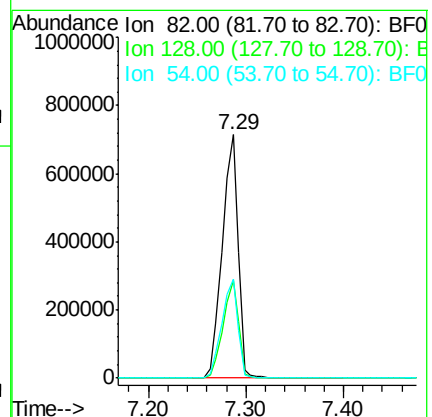
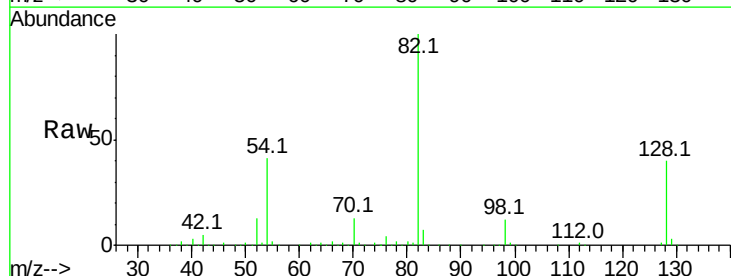
Instrument :
BNA_F
ClientSampleId :

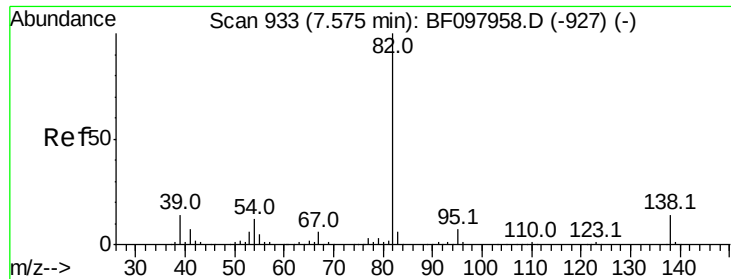
Tot Ion:	136	Resp:	462450
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	7.5	4.9	7.3#
68	6.9	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 95.112 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF098163.D
Acq: 30 Aug 2017 18:43

Tgt Ion:	82	Resp:	809664
Ion	Ratio	Lower	Upper
82	100		
128	39.9	34.0	51.0
54	40.6	42.2	63.2#





#25

Isophorone

Concen: 44.902 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF098163.D

Acq: 30 Aug 2017 18:43

Instrument :

BNA_F

ClientSampleId :

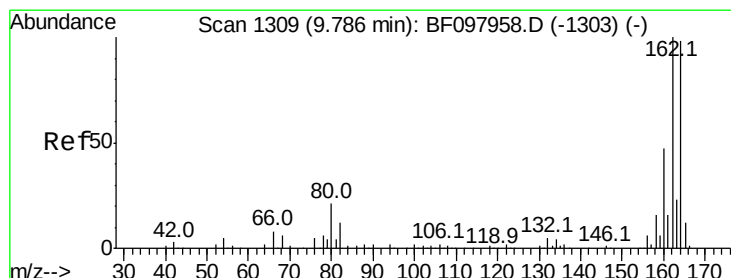
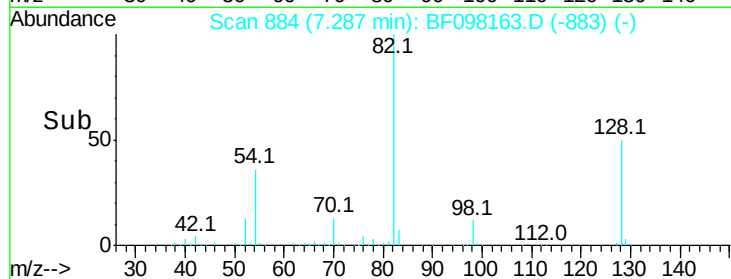
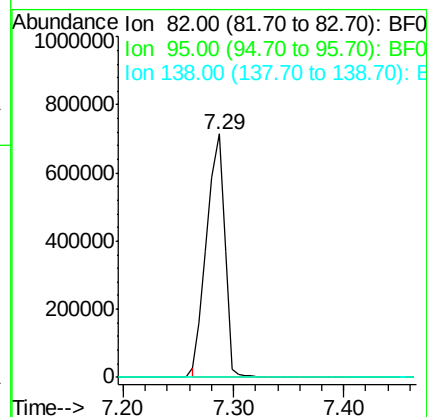
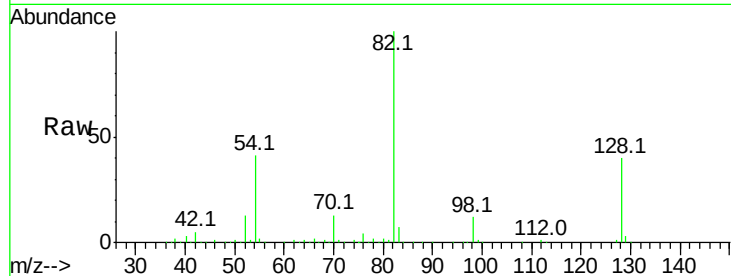
Tot Ion: 82 Resp: 794818

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF098163.D

Acq: 30 Aug 2017 18:43

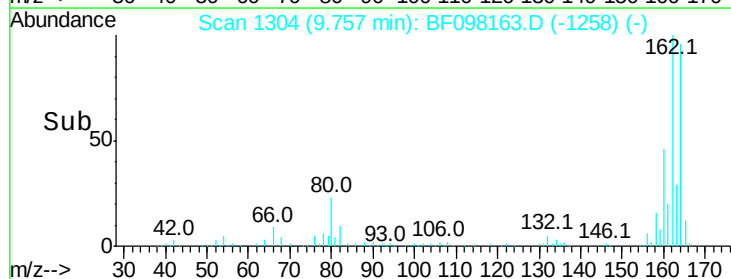
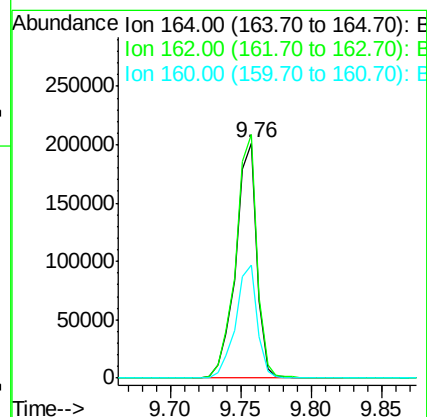
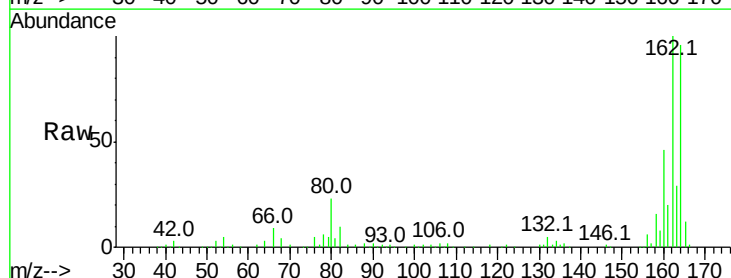
Tgt Ion:164 Resp: 209416

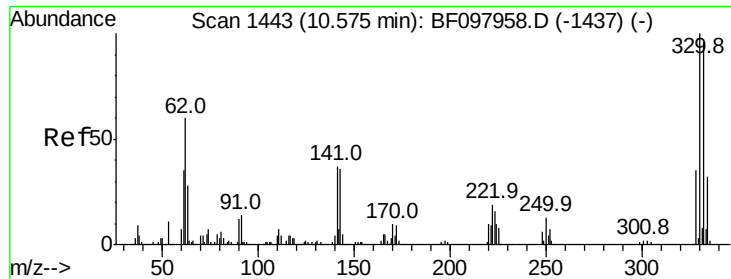
Ion Ratio Lower Upper

164 100

162 103.7 82.6 123.8

160 48.1 36.2 54.2

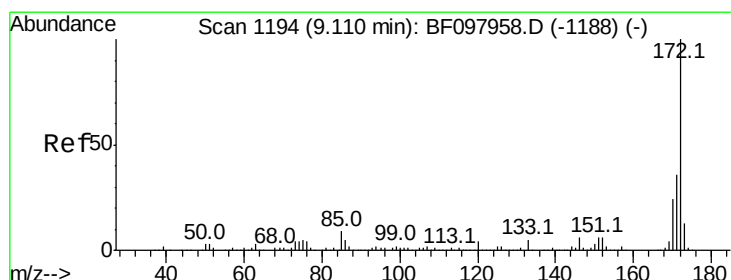
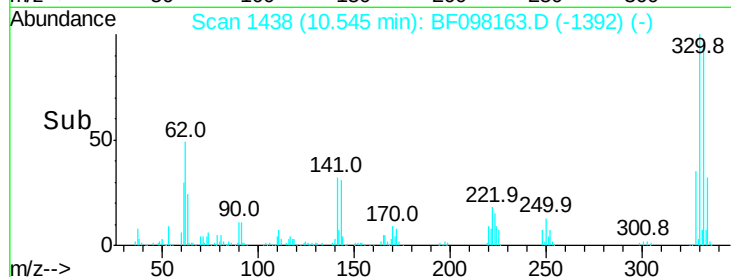
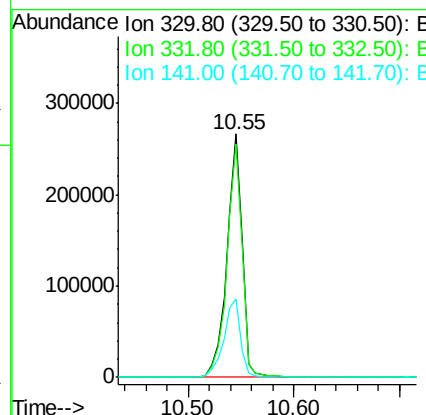
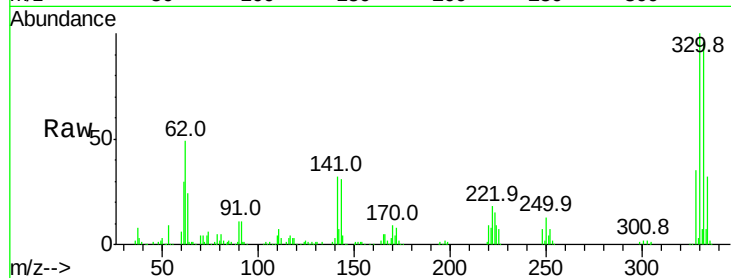




#41
 2,4,6-Tribromophenol
 Concen: 148.675 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098163.D
 Acq: 30 Aug 2017 18:43

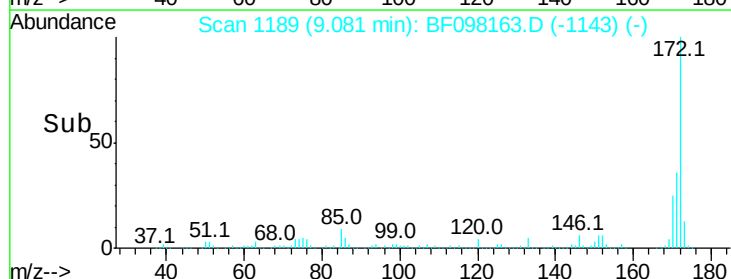
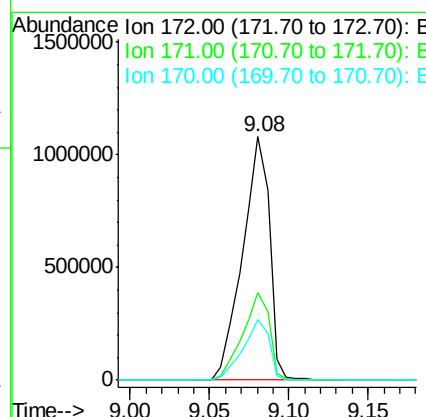
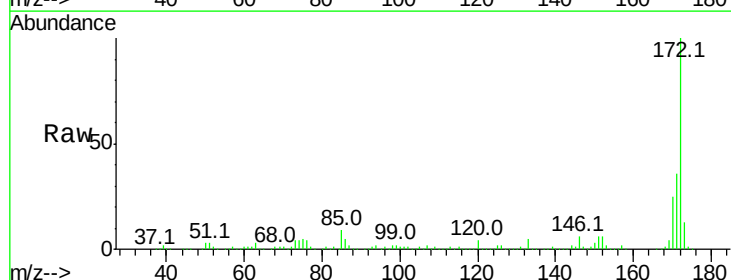
Instrument :
 BNA_F
 ClientSampleId :

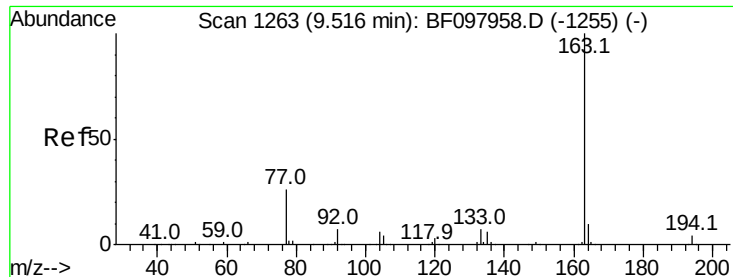
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	35.7	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 88.760 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098163.D
 Acq: 30 Aug 2017 18:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.7	19.8	29.8

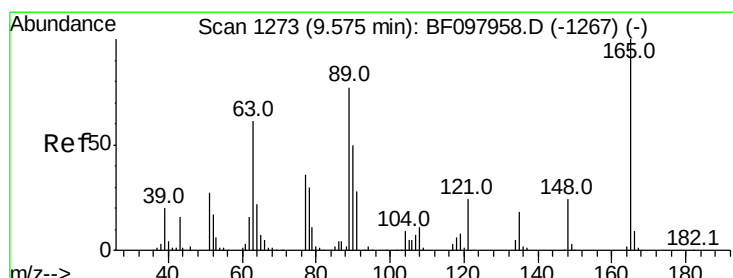
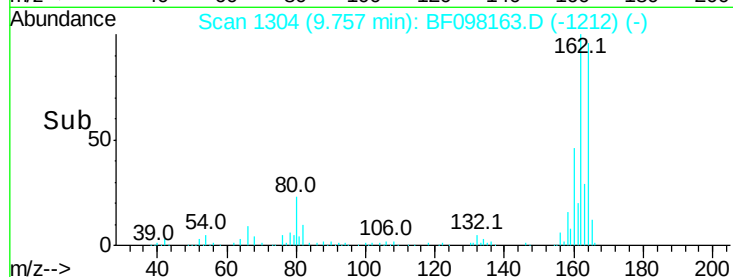
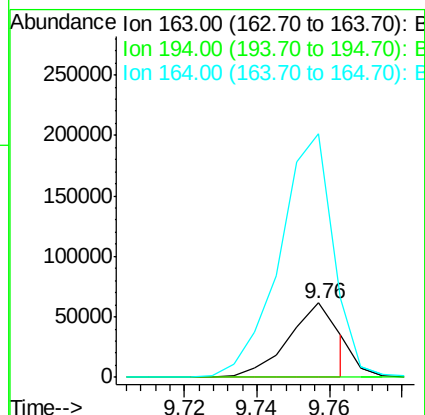
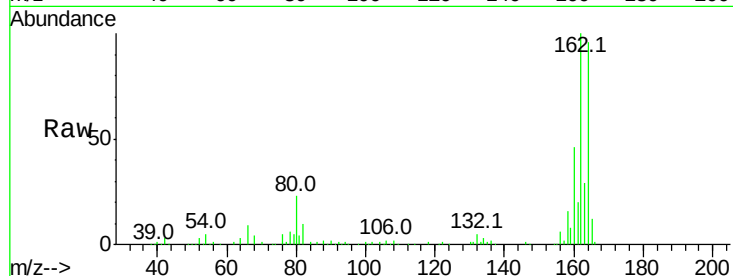




#49
Dimethylphthalate
Concen: 3.839 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.24 min
Lab File: BF098163.D
Acq: 30 Aug 2017 18:43

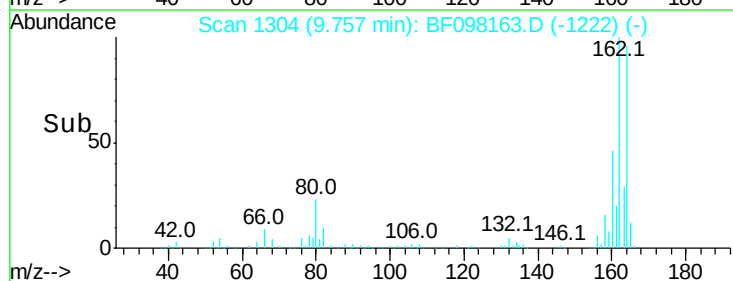
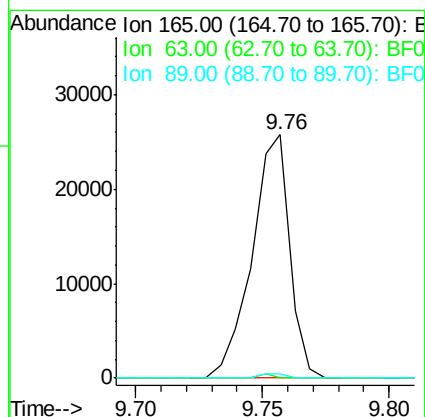
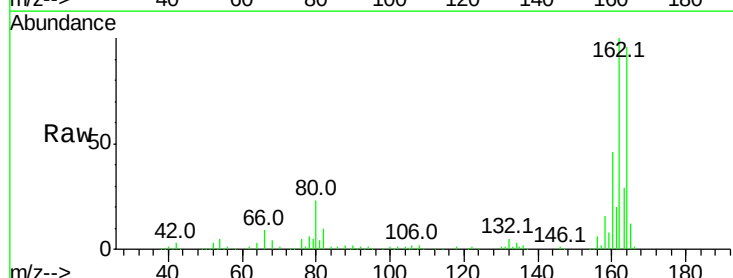
Instrument :
BNA_F
ClientSampleId :

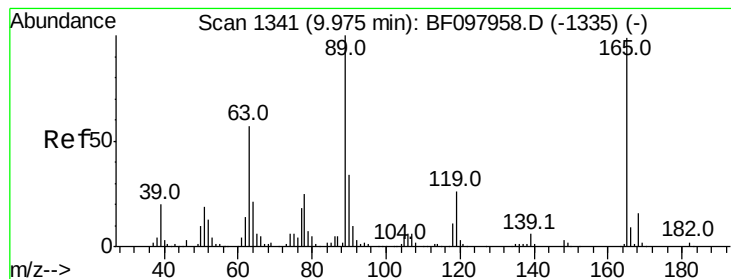
Tot Ion:163 Resp: 58772
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 327.3 8.4 12.6#



#50
2,6-Dinitrotoluene
Concen: 8.744 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.18 min
Lab File: BF098163.D
Acq: 30 Aug 2017 18:43

Tgt Ion:165 Resp: 26717
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 1.6 37.1 55.7#





#56

2,4-Dinitrotoluene

Concen: 6.967 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.22 min

Lab File: BF098163.D

Acq: 30 Aug 2017 18:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 26717

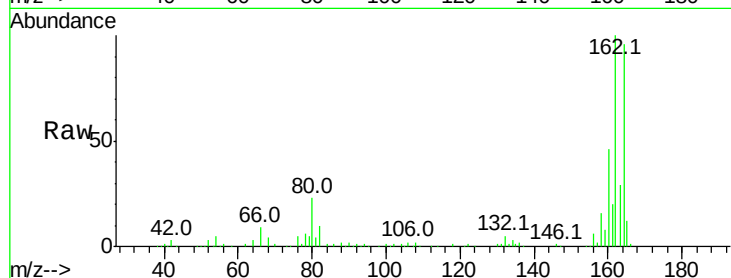
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 1.6 46.4 69.6#

182 0.0 1.8 2.6#

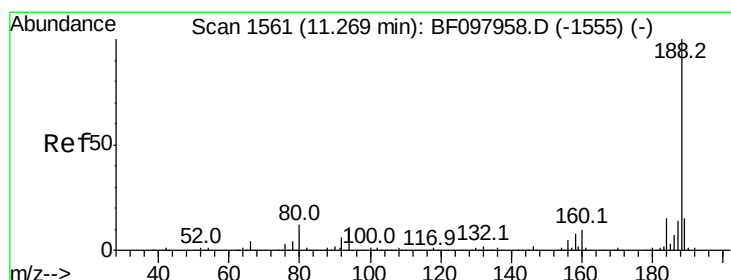
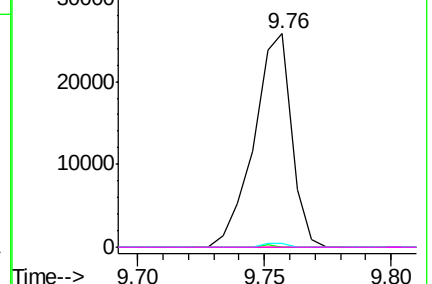
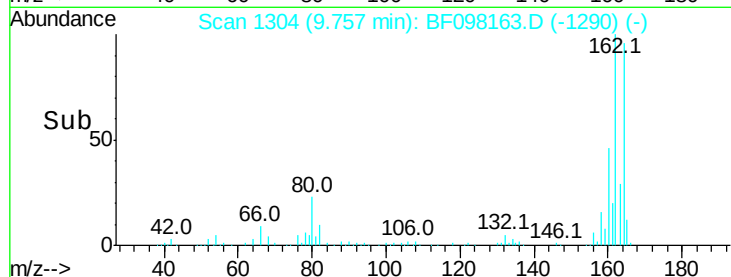


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.23 min Scan# 1555

Delta R.T. -0.03 min

Lab File: BF098163.D

Acq: 30 Aug 2017 18:43

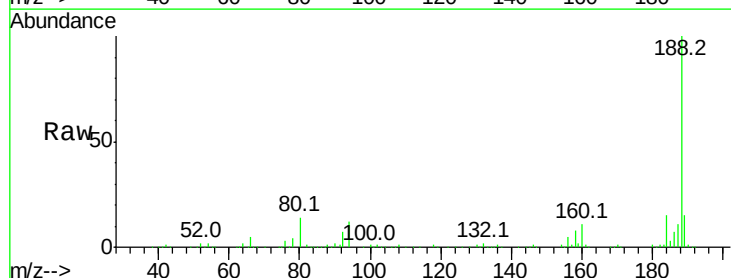
Tgt Ion:188 Resp: 434718

Ion Ratio Lower Upper

188 100

94 12.3 9.4 14.2

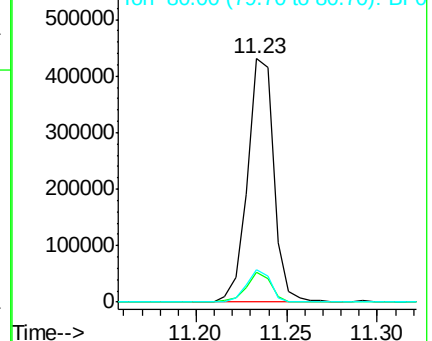
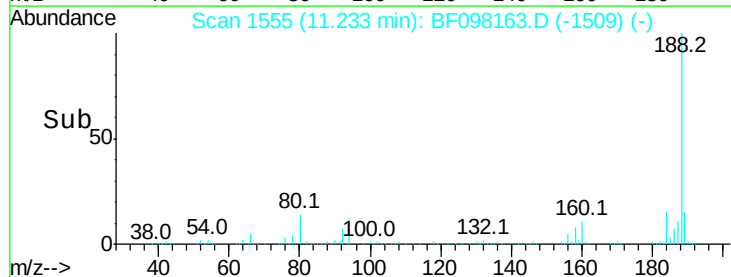
80 13.5 10.2 15.2

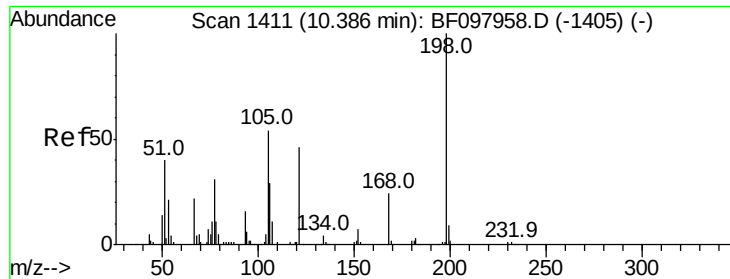


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.495 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.16 min

Lab File: BF098163.D

Acq: 30 Aug 2017 18:43

Instrument :

BNA_F

ClientSampled :

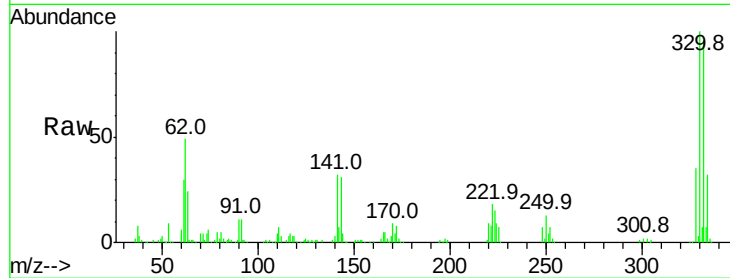
Tot Ion:198 Resp: 432

Ion Ratio Lower Upper

198 100

51 163.5 53.2 93.2#

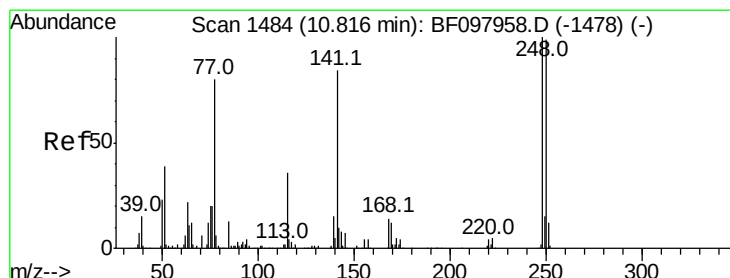
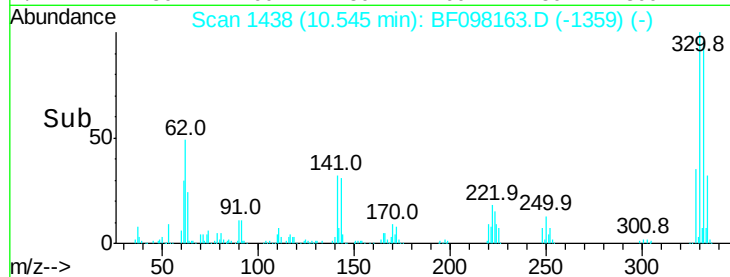
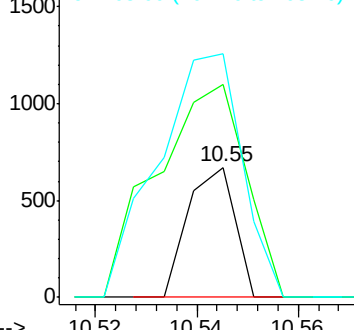
105 187.1 45.8 85.8#



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: 3.894 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.27 min

Lab File: BF098163.D

Acq: 30 Aug 2017 18:43

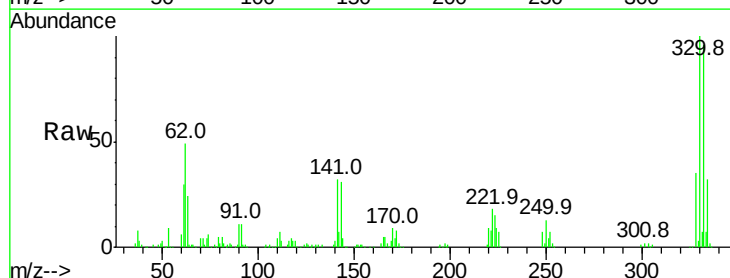
Tgt Ion:248 Resp: 17577

Ion Ratio Lower Upper

248 100

250 202.4 76.8 115.2#

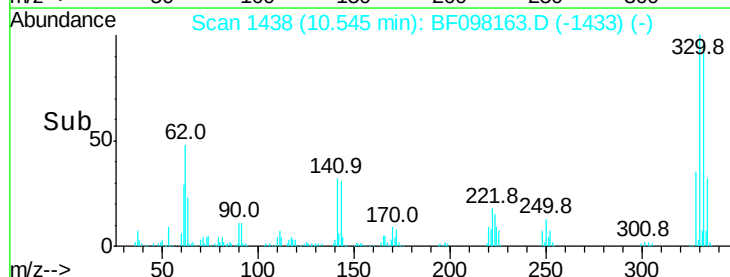
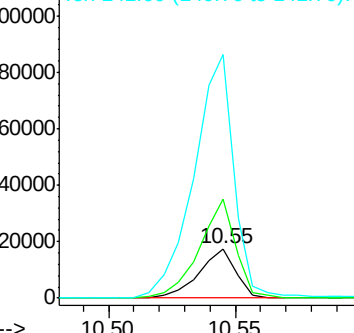
141 495.2 68.6 103.0#

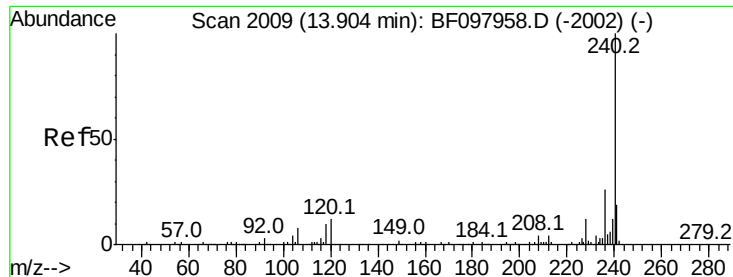


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF098163.D

Acq: 30 Aug 2017 18:43

Instrument :

BNA_F

ClientSampleId :

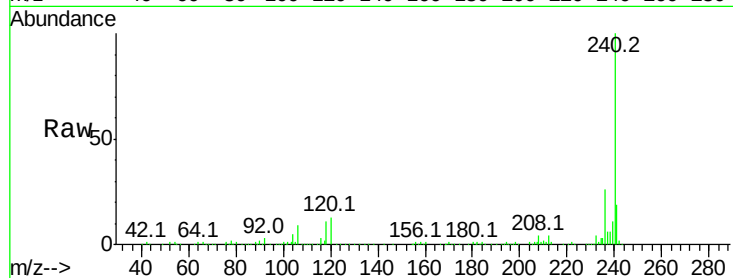
Tot Ion:240 Resp: 392476

Ion Ratio Lower Upper

240 100

120 13.4 5.8 8.8#

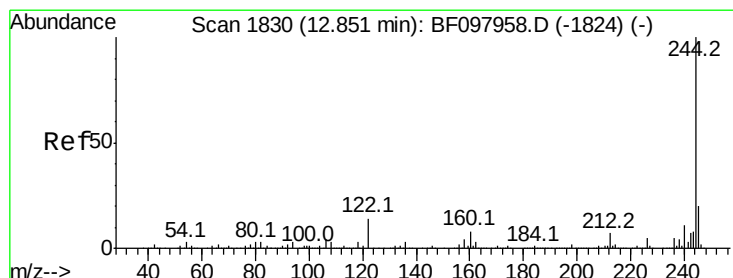
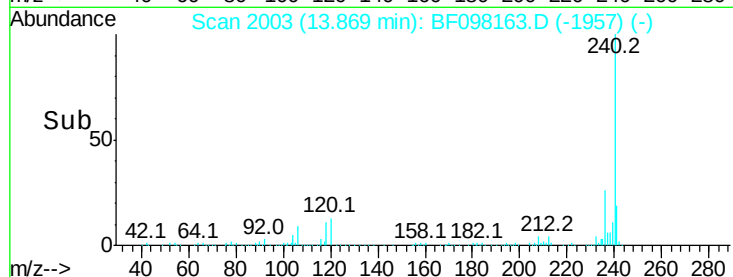
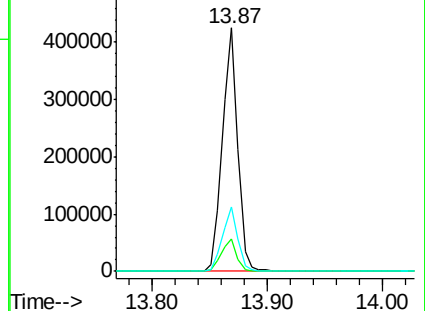
236 26.3 20.5 30.7



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: 66.184 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF098163.D

Acq: 30 Aug 2017 18:43

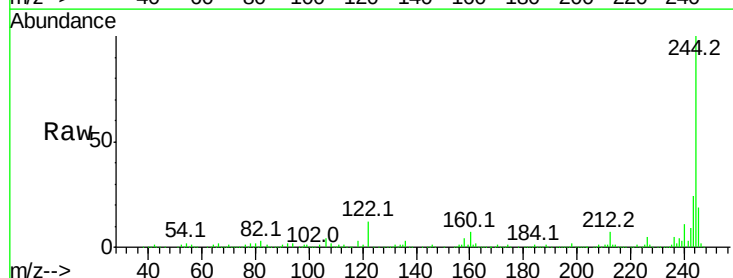
Tgt Ion:244 Resp: 1245636

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

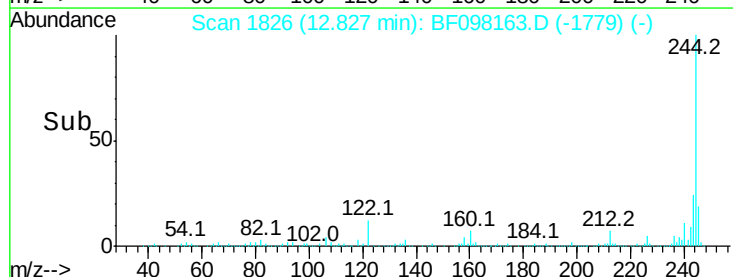
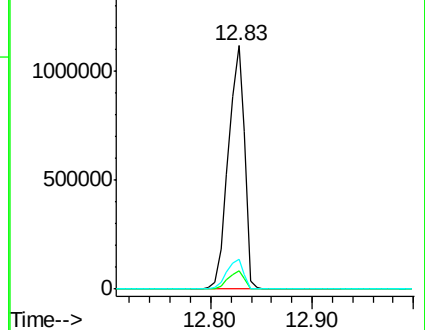
122 12.4 10.3 15.5

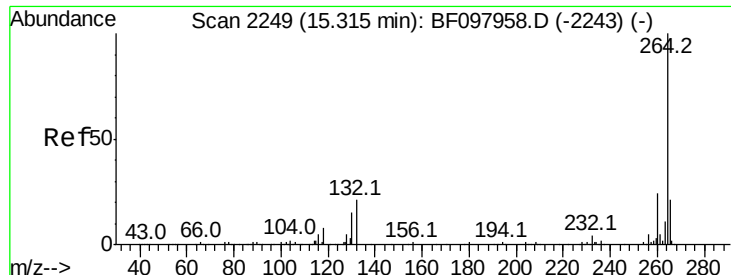


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

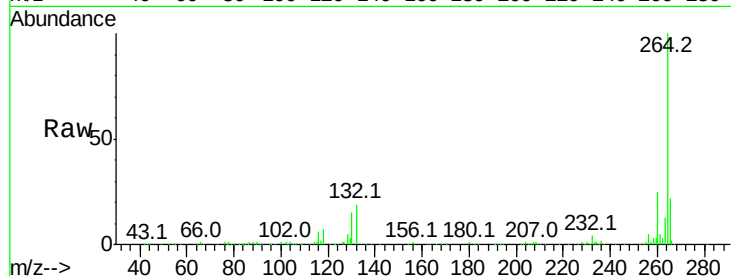




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. -0.03 min
 Lab File: BF098163.D
 Acq: 30 Aug 2017 18:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.5	29.3
265	22.0	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

