

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
 Data File : BF098636.D
 Acq On : 19 Sep 2017 7:50
 Operator : SJ/JU
 Sample : I5265-18
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 08:35:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

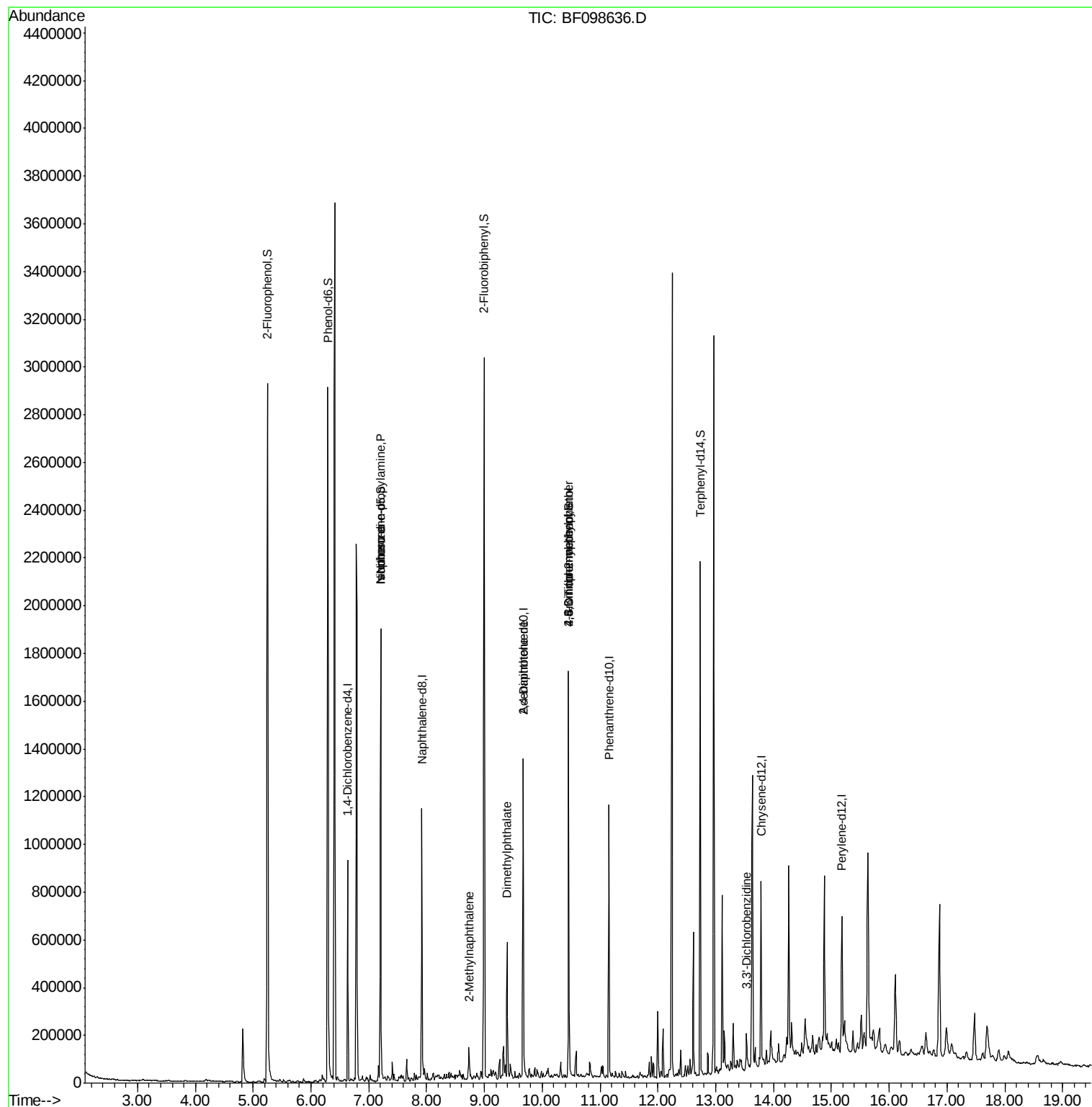
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	122331	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	468079	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	239450	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	361256	20.00	ng	0.00
75) Chrysene-d12	13.79	240	251060	20.00	ng	0.00
86) Perylene-d12	15.18	264	226883	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	891680	107.77	ng	0.00
7) Phenol-d6	6.29	99	1024443	97.52	ng	0.00
23) Nitrobenzene-d5	7.20	82	639648	76.18	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	173746	108.72	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	896095	63.43	ng	0.00
78) Terphenyl-d14	12.73	244	611759	52.60	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	87076	13.178	ng	# 79
25) Isophorone	7.20	82	639642	37.654	ng	# 67
37) 2-Methylnaphthalene	8.73	142	31373	2.238	ng	94
49) Dimethylphthalate	9.39	163	176557	9.525	ng	98
56) 2,4-Dinitrotoluene	9.67	165	30173	6.519	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.46	198	487	5.161	ng	# 1
66) 4-Bromophenyl-phenylether	10.46	248	13380	3.902	ng	# 1
81) 3,3'-Dichlorobenzidine	13.53	252	16734	2.925	ng	# 36

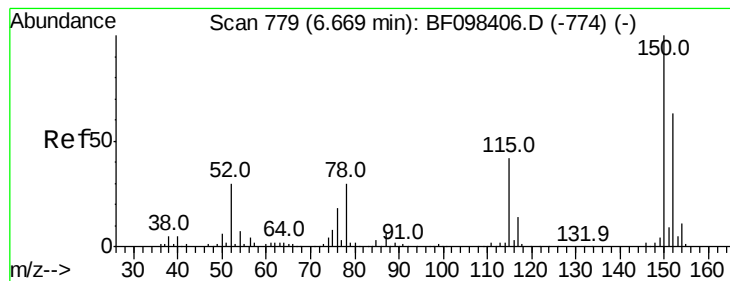
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF098636.D

Acq: 19 Sep 2017 7:50

Instrument :
BNA_F
ClientSampleId :

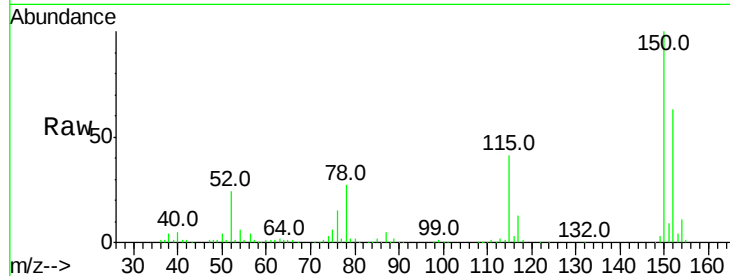
Tot Ion:152 Resp: 122331

Ion Ratio Lower Upper

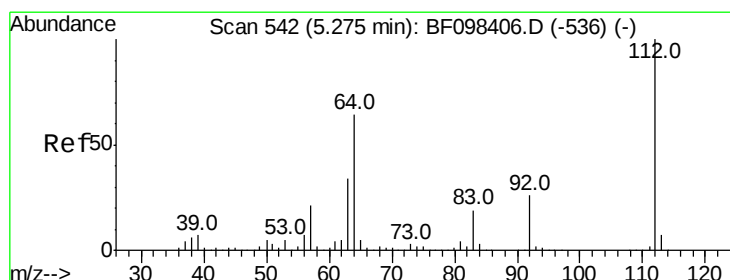
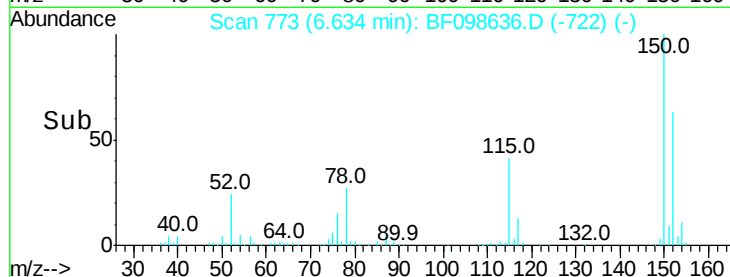
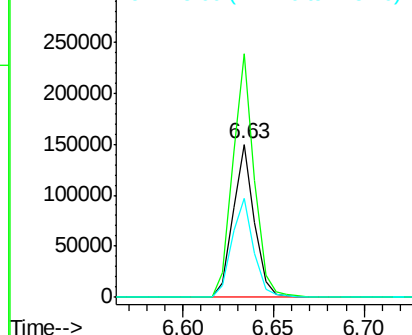
152 100

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: 107.771 ng

RT: 5.25 min Scan# 537

Delta R.T. 0.01 min

Lab File: BF098636.D

Acq: 19 Sep 2017 7:50

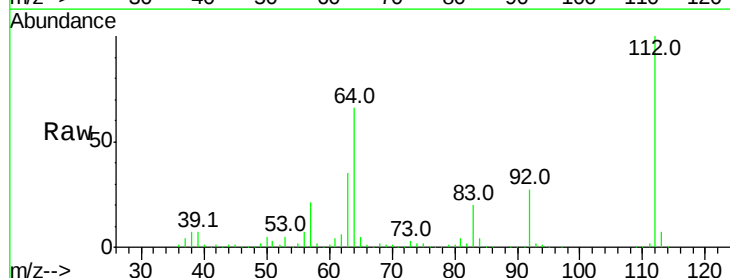
Tgt Ion:112 Resp: 891680

Ion Ratio Lower Upper

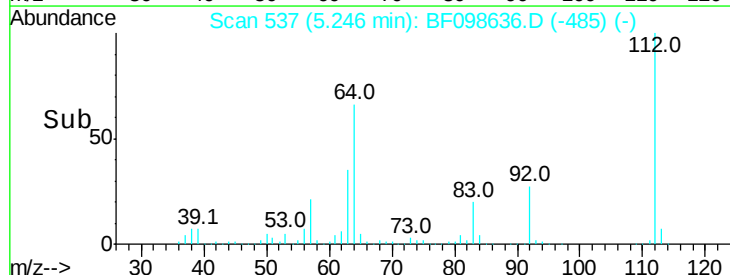
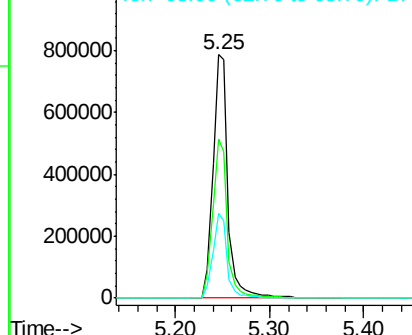
112 100

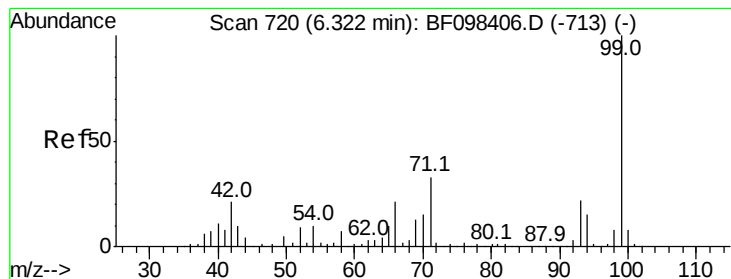
64 65.6 46.0 69.0

63 34.9 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: 97.519 ng

RT: 6.29 min Scan# 715

Delta R.T. 0.00 min

Lab File: BF098636.D

Acq: 19 Sep 2017 7:50

Instrument :

BNA_F

ClientSampleId :

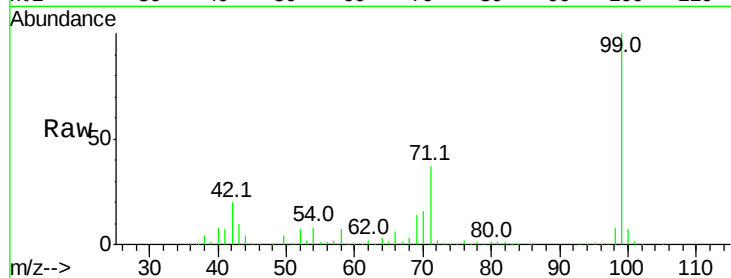
Tot Ion: 99 Resp: 1024443

Ion Ratio Lower Upper

99 100

42 20.2 13.5 20.3

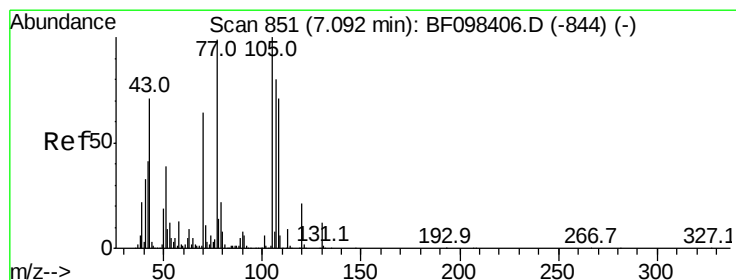
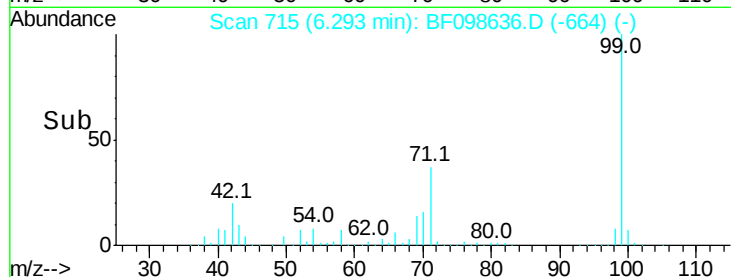
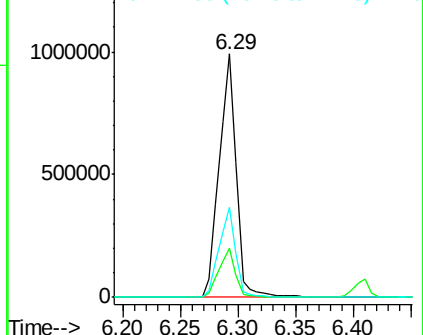
71 36.9 24.5 36.7#



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: 13.178 ng

RT: 7.20 min Scan# 870

Delta R.T. 0.15 min

Lab File: BF098636.D

Acq: 19 Sep 2017 7:50

Tgt Ion: 70 Resp: 87076

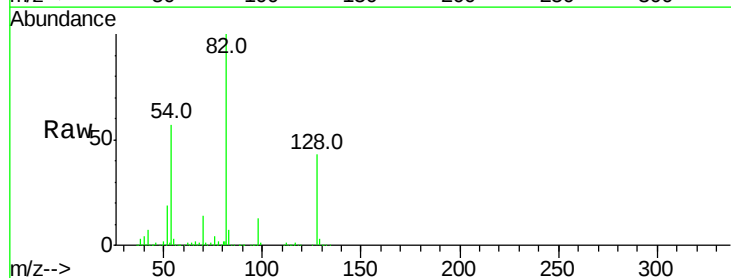
Ion Ratio Lower Upper

70 100

42 47.9 47.2 70.8

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

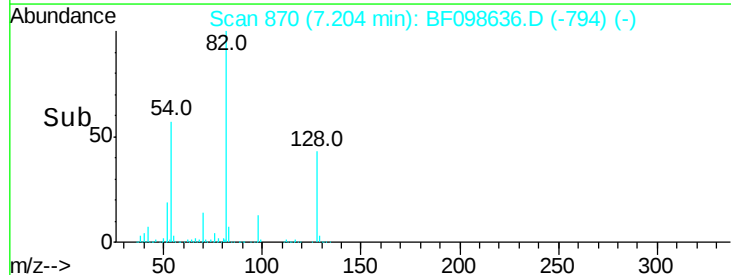
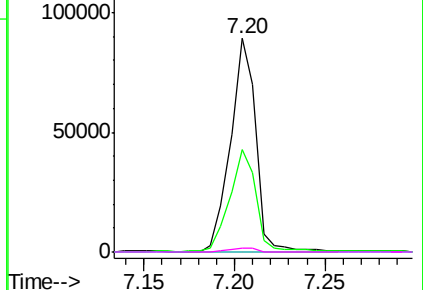


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF098636.D

Acq: 19 Sep 2017 7:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 468079

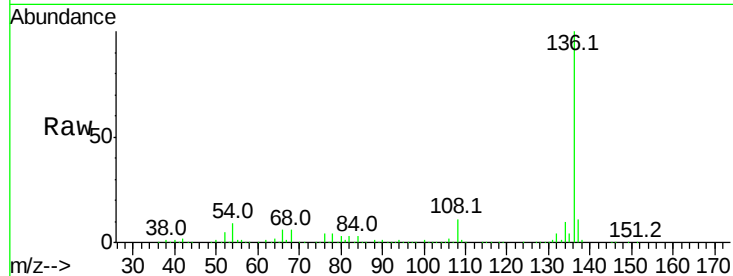
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 8.7 4.9 7.3#

68 5.5 4.1 6.1

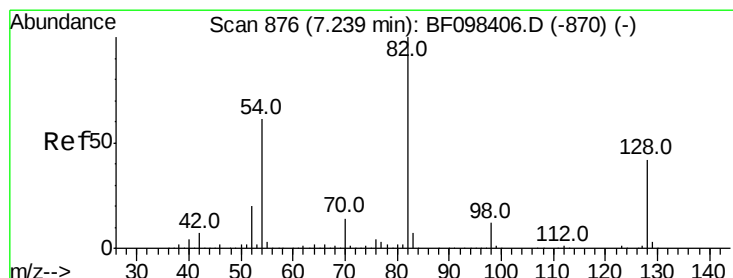
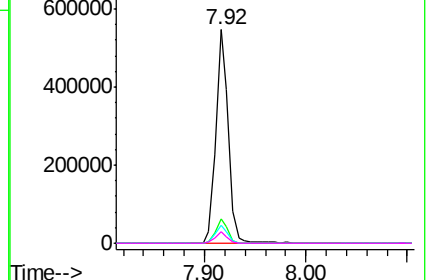
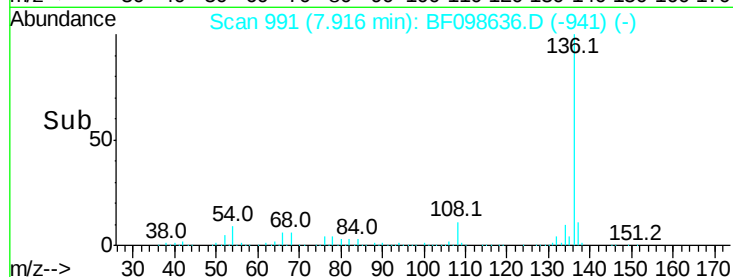


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.184 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF098636.D

Acq: 19 Sep 2017 7:50

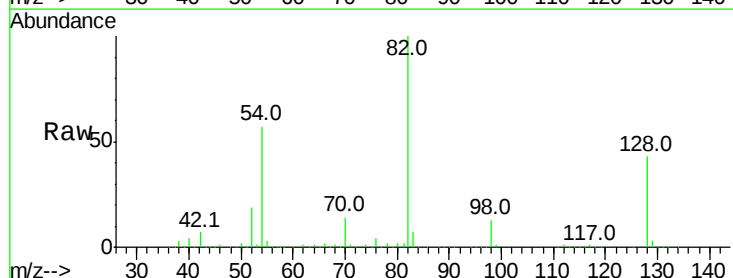
Tgt Ion: 82 Resp: 639648

Ion Ratio Lower Upper

82 100

128 42.6 34.0 51.0

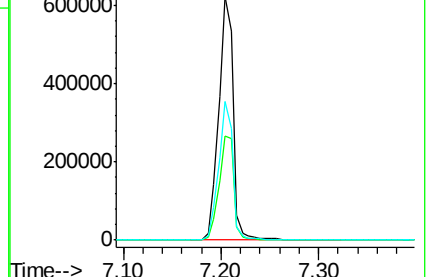
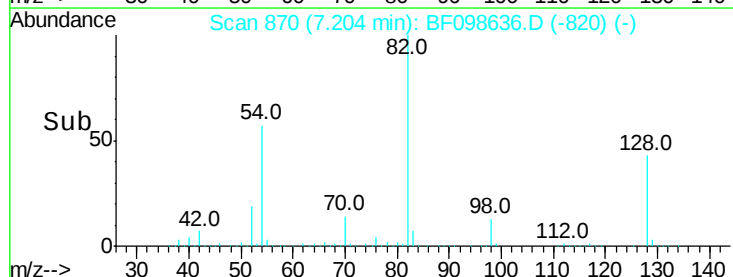
54 57.1 42.2 63.2

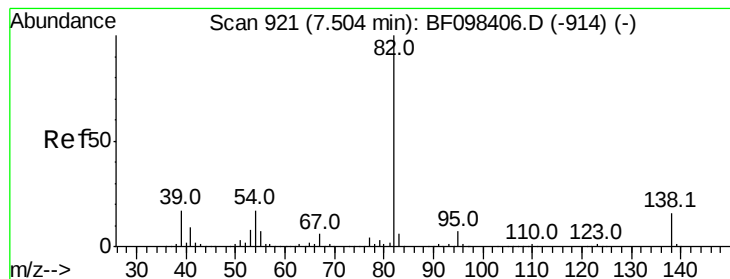


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 37.654 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.26 min

Lab File: BF098636.D

Acq: 19 Sep 2017 7:50

Instrument :

BNA_F

ClientSampled :

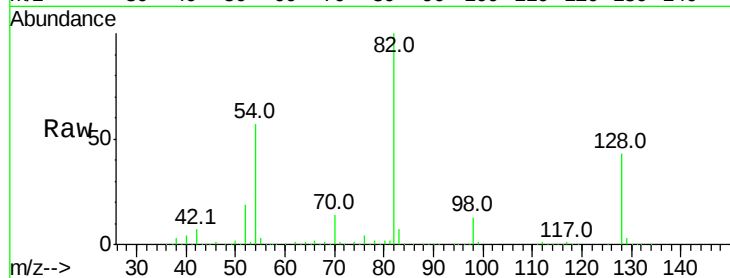
Tot Ion: 82 Resp: 639642

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

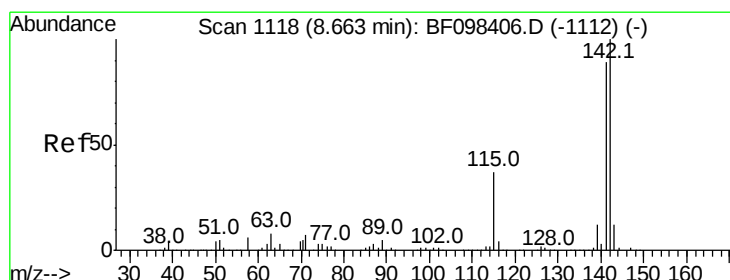
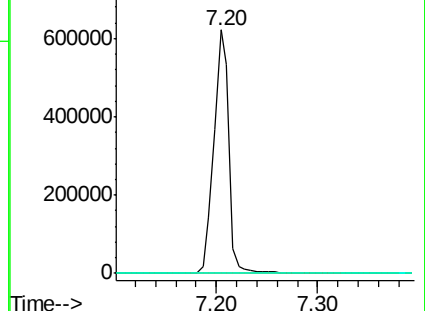
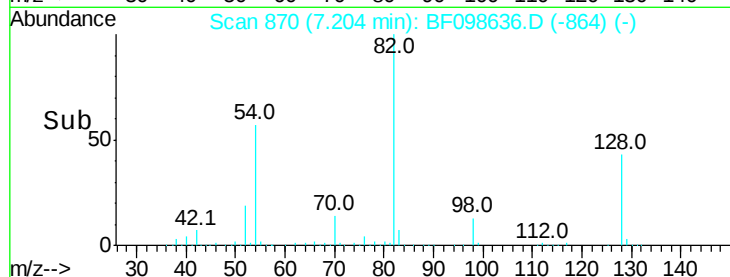
138 0.0 13.1 19.7#



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



#37

2-Methylnaphthalene

Concen: 2.238 ng

RT: 8.73 min Scan# 1129

Delta R.T. 0.09 min

Lab File: BF098636.D

Acq: 19 Sep 2017 7:50

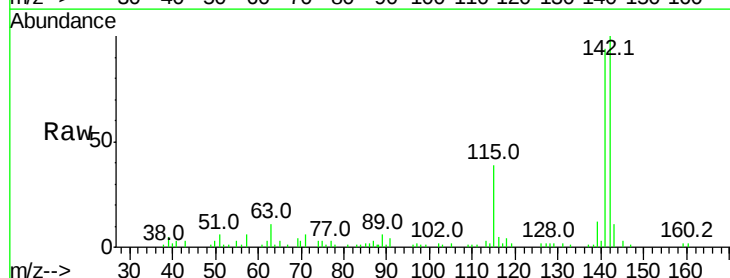
Tgt Ion: 142 Resp: 31373

Ion Ratio Lower Upper

142 100

141 93.5 71.3 106.9

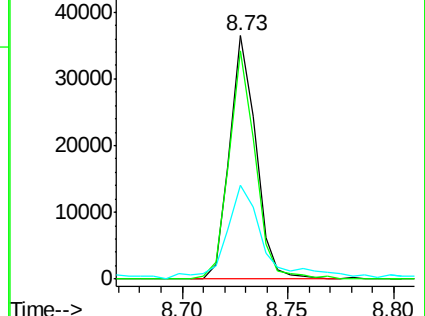
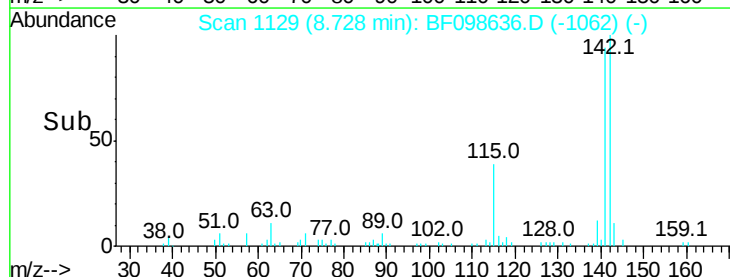
115 38.7 27.1 40.7

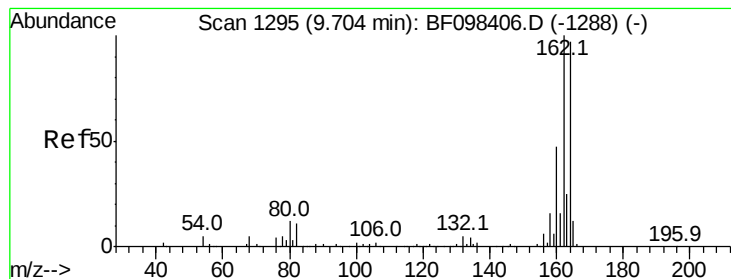


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.67 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BF098636.D

Acq: 19 Sep 2017 7:50

Instrument :

BNA_F

ClientSampleId :

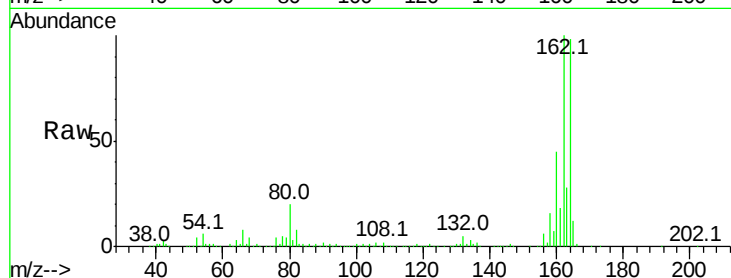
Tot Ion:164 Resp: 239450

Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

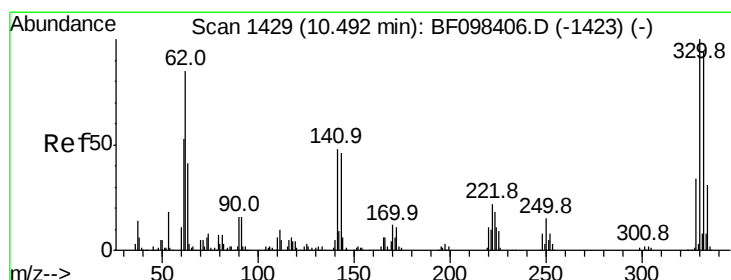
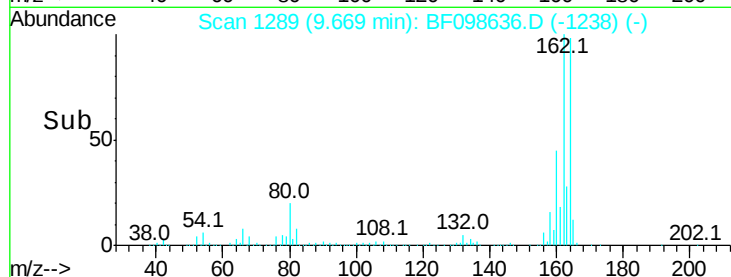
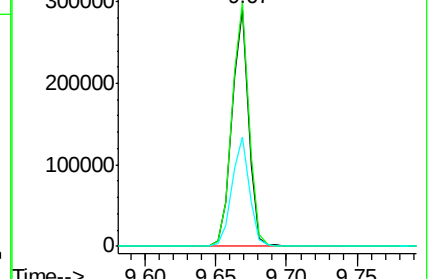
160 45.9 36.2 54.2



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: 108.718 ng

RT: 10.46 min Scan# 1424

Delta R.T. 0.00 min

Lab File: BF098636.D

Acq: 19 Sep 2017 7:50

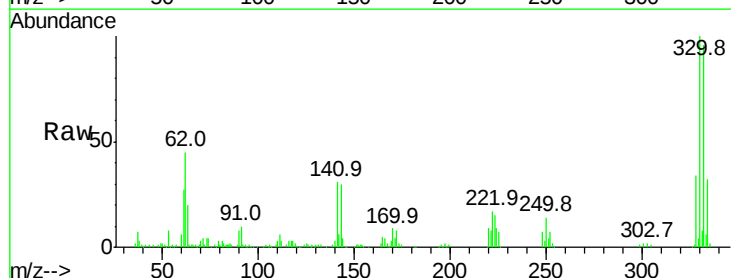
Tgt Ion:330 Resp: 173746

Ion Ratio Lower Upper

330 100

332 96.9 76.6 115.0

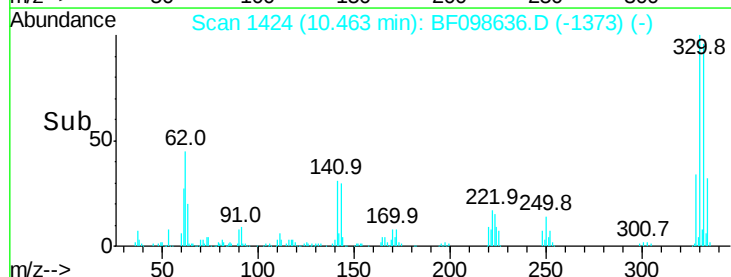
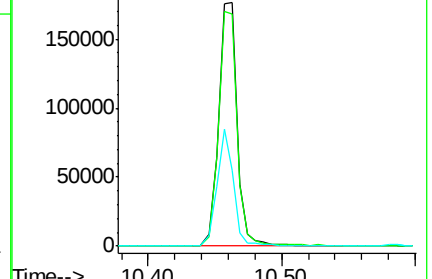
141 43.0 31.4 47.2

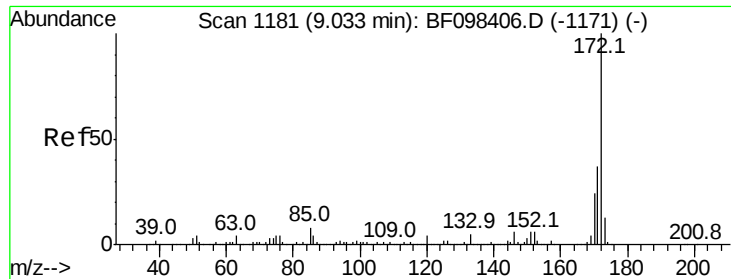


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

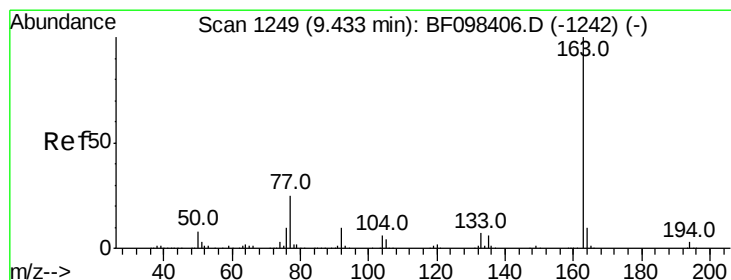
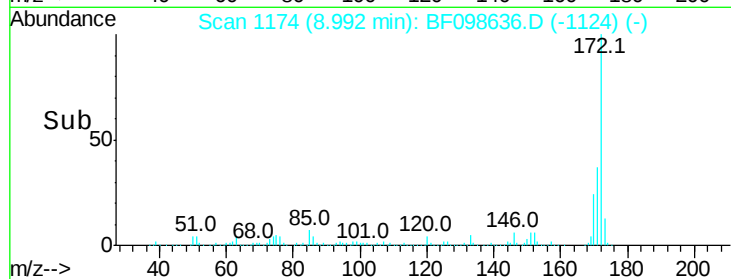
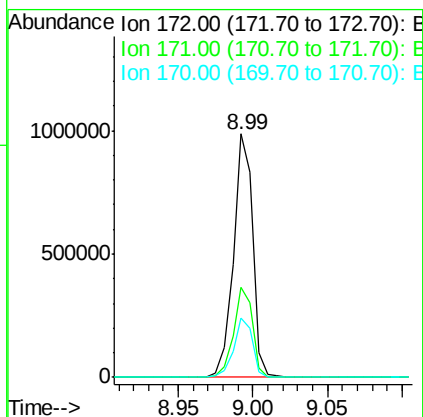
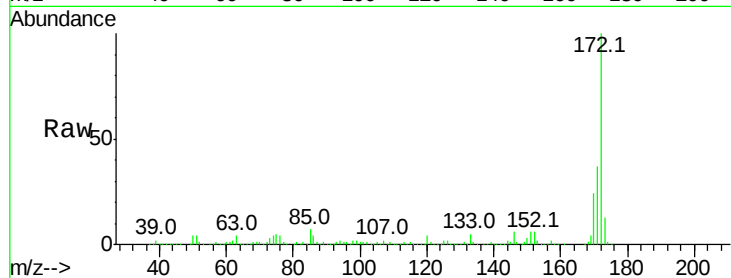




#44
2-Fluorobiphenyl
Concen: 63.429 ng
RT: 8.99 min Scan# 1174
Delta R.T. -0.01 min
Lab File: BF098636.D
Acq: 19 Sep 2017 7:50

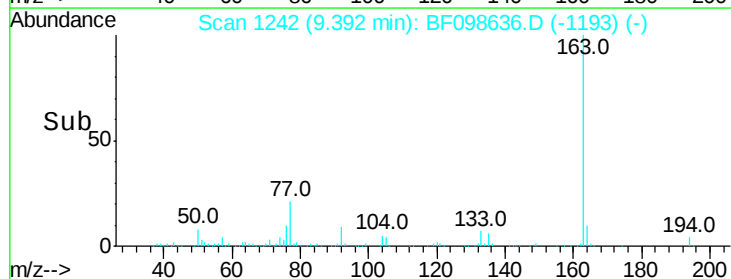
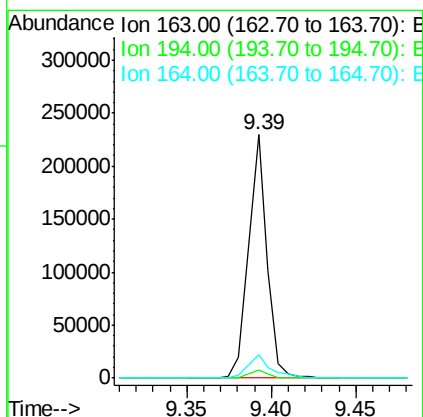
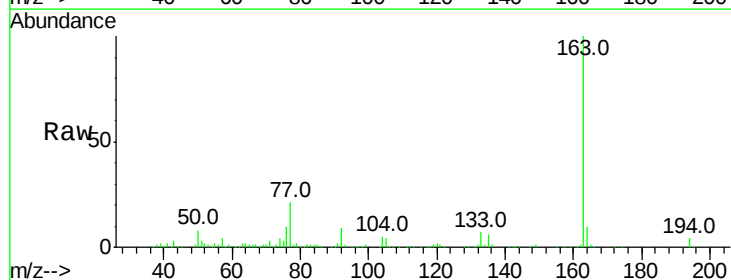
Instrument :
BNA_F
ClientSampleId :

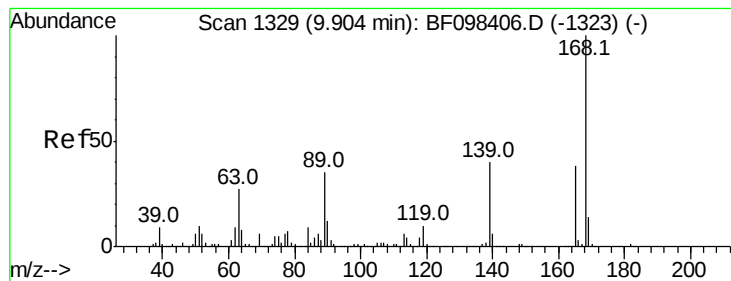
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	24.2	19.8	29.8



#49
Dimethylphthalate
Concen: 9.525 ng
RT: 9.39 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BF098636.D
Acq: 19 Sep 2017 7:50

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.8	8.4	12.6





#56

2,4-Dinitrotoluene

Concen: 6.519 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.21 min

Lab File: BF098636.D

Acq: 19 Sep 2017 7:50

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 30173

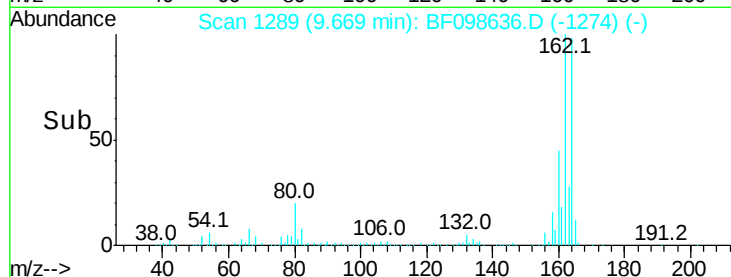
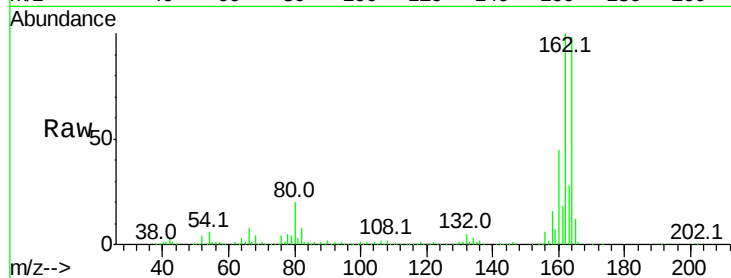
Ion Ratio Lower Upper

165 100

63 1.9 25.4 38.0#

89 2.2 46.4 69.6#

182 0.0 1.8 2.6#

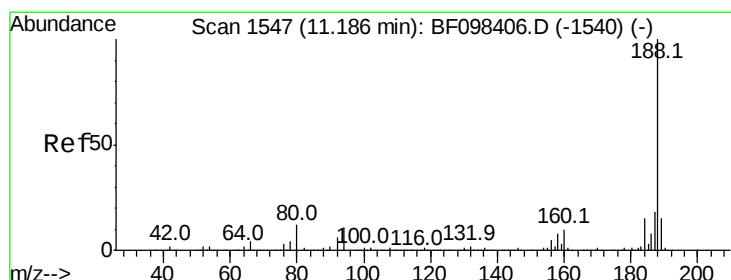
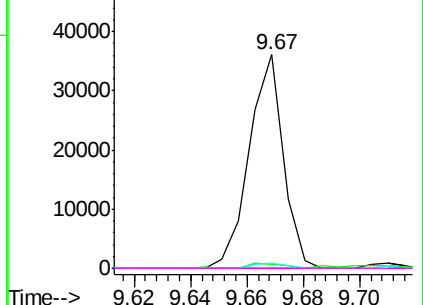


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.15 min Scan# 1541

Delta R.T. 0.00 min

Lab File: BF098636.D

Acq: 19 Sep 2017 7:50

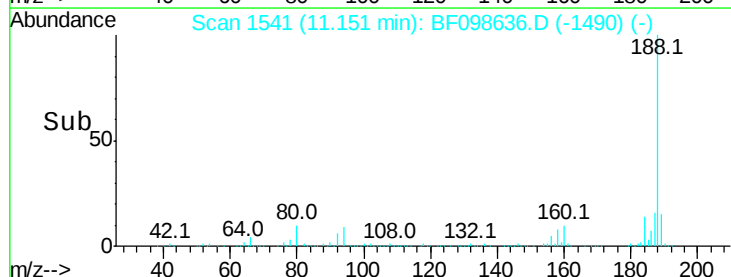
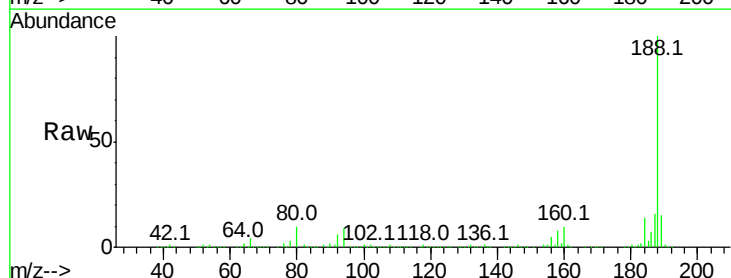
Tgt Ion:188 Resp: 361256

Ion Ratio Lower Upper

188 100

94 8.9 9.4 14.2#

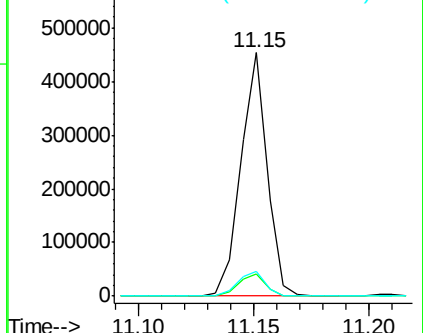
80 10.4 10.2 15.2

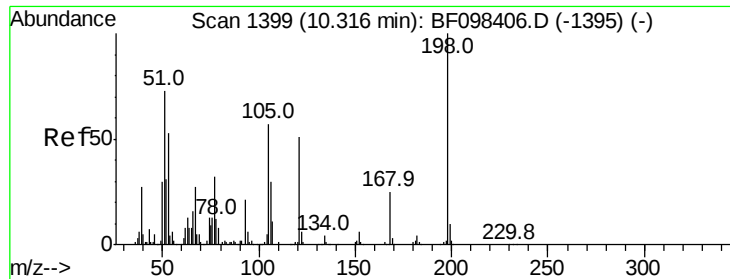


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

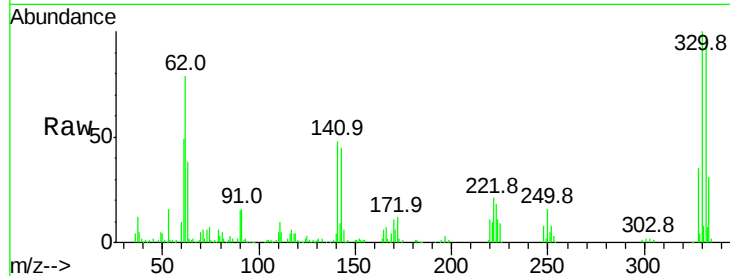




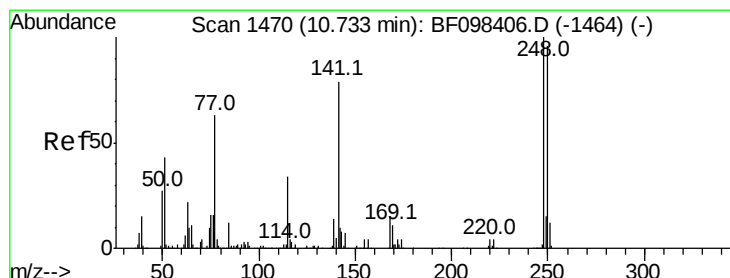
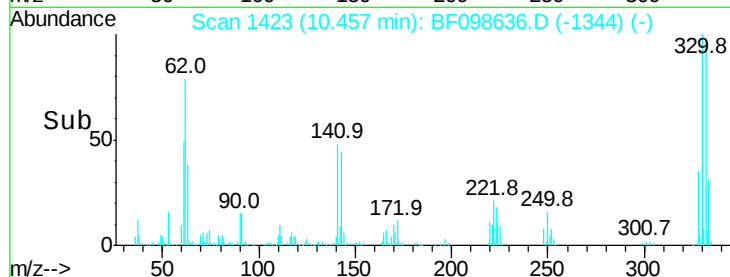
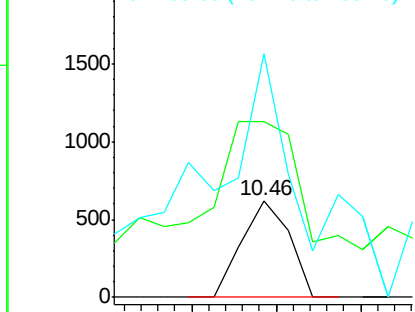
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.161 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. 0.16 min
 Lab File: BF098636.D
 Acq: 19 Sep 2017 7:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 487
 Ion Ratio Lower Upper
 198 100
 51 182.4 53.2 93.2#
 105 252.3 45.8 85.8#

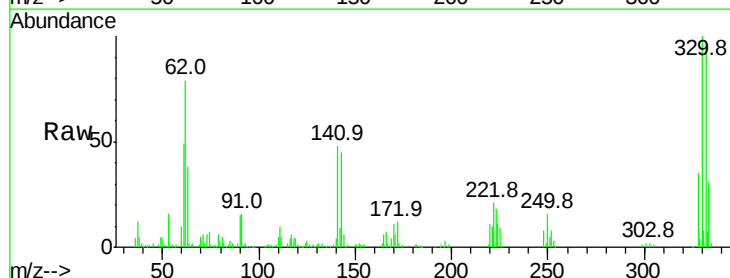


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

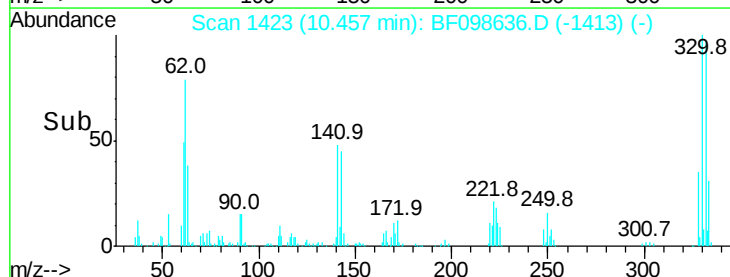
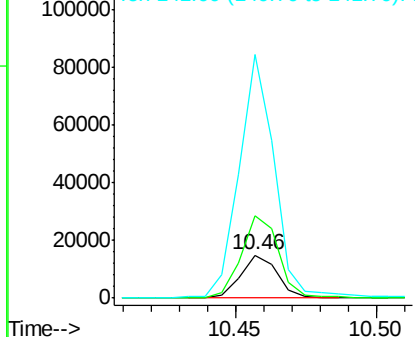


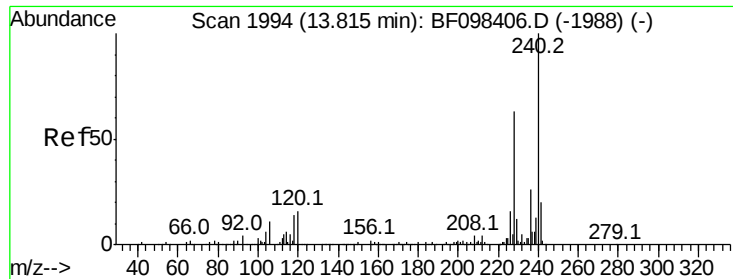
#66
 4-Bromophenyl-phenylether
 Concen: 3.902 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.24 min
 Lab File: BF098636.D
 Acq: 19 Sep 2017 7:50

Tgt Ion:248 Resp: 13380
 Ion Ratio Lower Upper
 248 100
 250 193.1 76.8 115.2#
 141 568.6 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: 13.79 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BF098636.D

Acq: 19 Sep 2017 7:50

Instrument :

BNA_F

ClientSampleId :

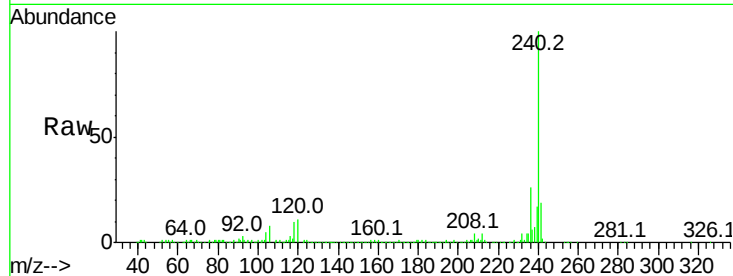
Tot Ion:240 Resp: 251060

Ion Ratio Lower Upper

240 100

120 11.3 5.8 8.8#

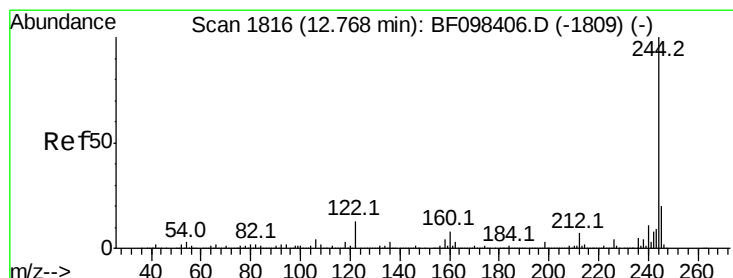
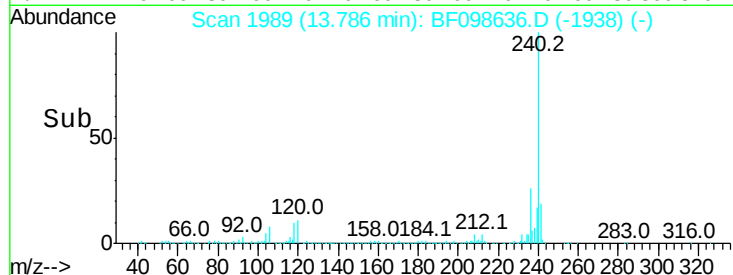
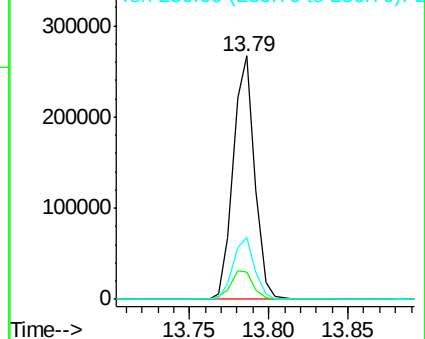
236 25.6 20.5 30.7



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: 52.595 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.00 min

Lab File: BF098636.D

Acq: 19 Sep 2017 7:50

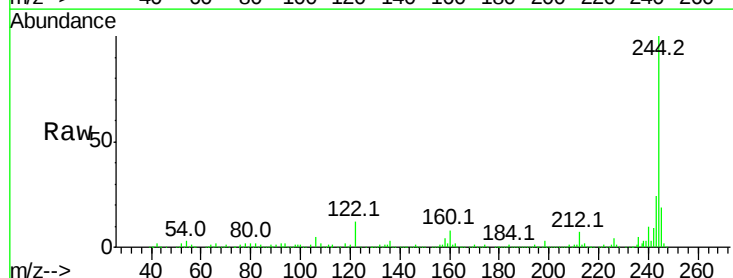
Tgt Ion:244 Resp: 611759

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

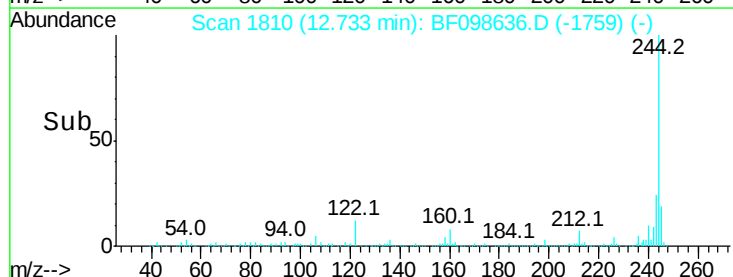
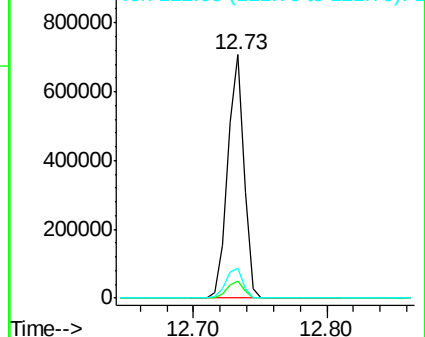
122 12.1 10.3 15.5

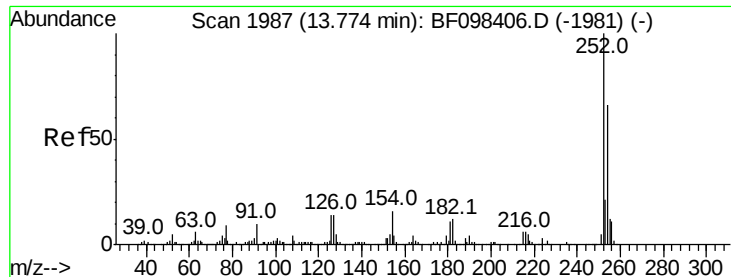


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

3,3'-Dichlorobenzidine

Concen: 2.925 ng

RT: 13.53 min Scan# 1946

Delta R.T. -0.21 min

Lab File: BF098636.D

Acq: 19 Sep 2017 7:50

Instrument :

BNA_F

ClientSampleId :

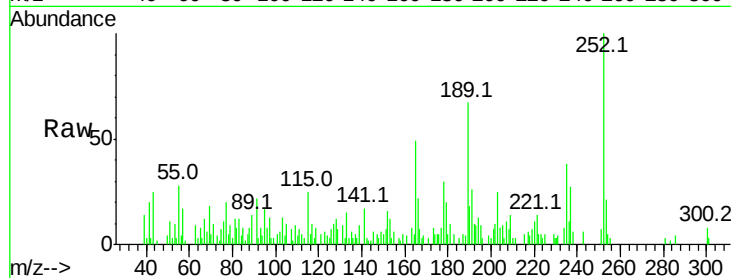
Tot Ion:252 Resp: 16734

Ion Ratio Lower Upper

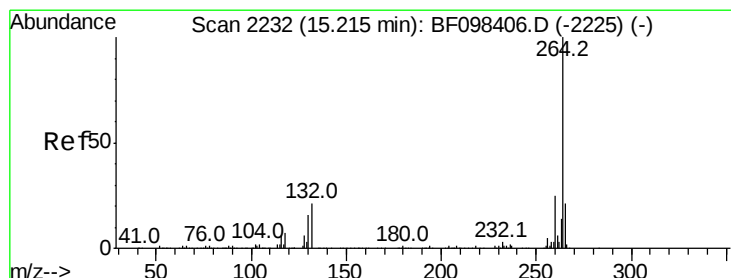
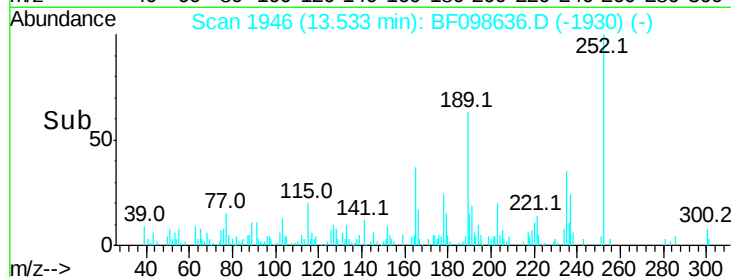
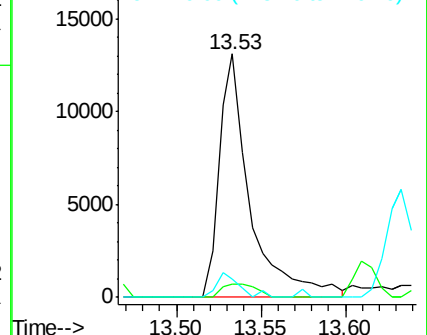
252 100

254 5.3 51.5 77.3#

126 7.4 15.8 23.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.18 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BF098636.D

Acq: 19 Sep 2017 7:50

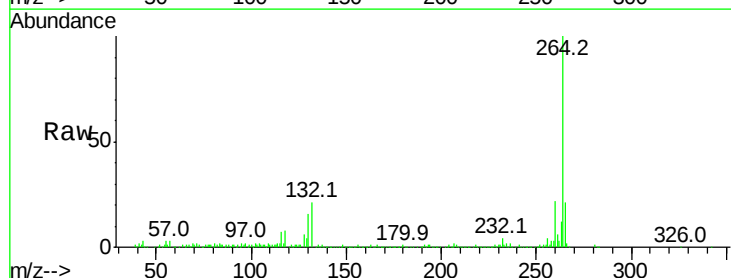
Tgt Ion:264 Resp: 226883

Ion Ratio Lower Upper

264 100

260 22.3 19.5 29.3

265 21.1 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

