

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098190.D
 Acq On : 31 Aug 2017 8:27
 Operator : SJ/JU
 Sample : I4987-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 08:52:45 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

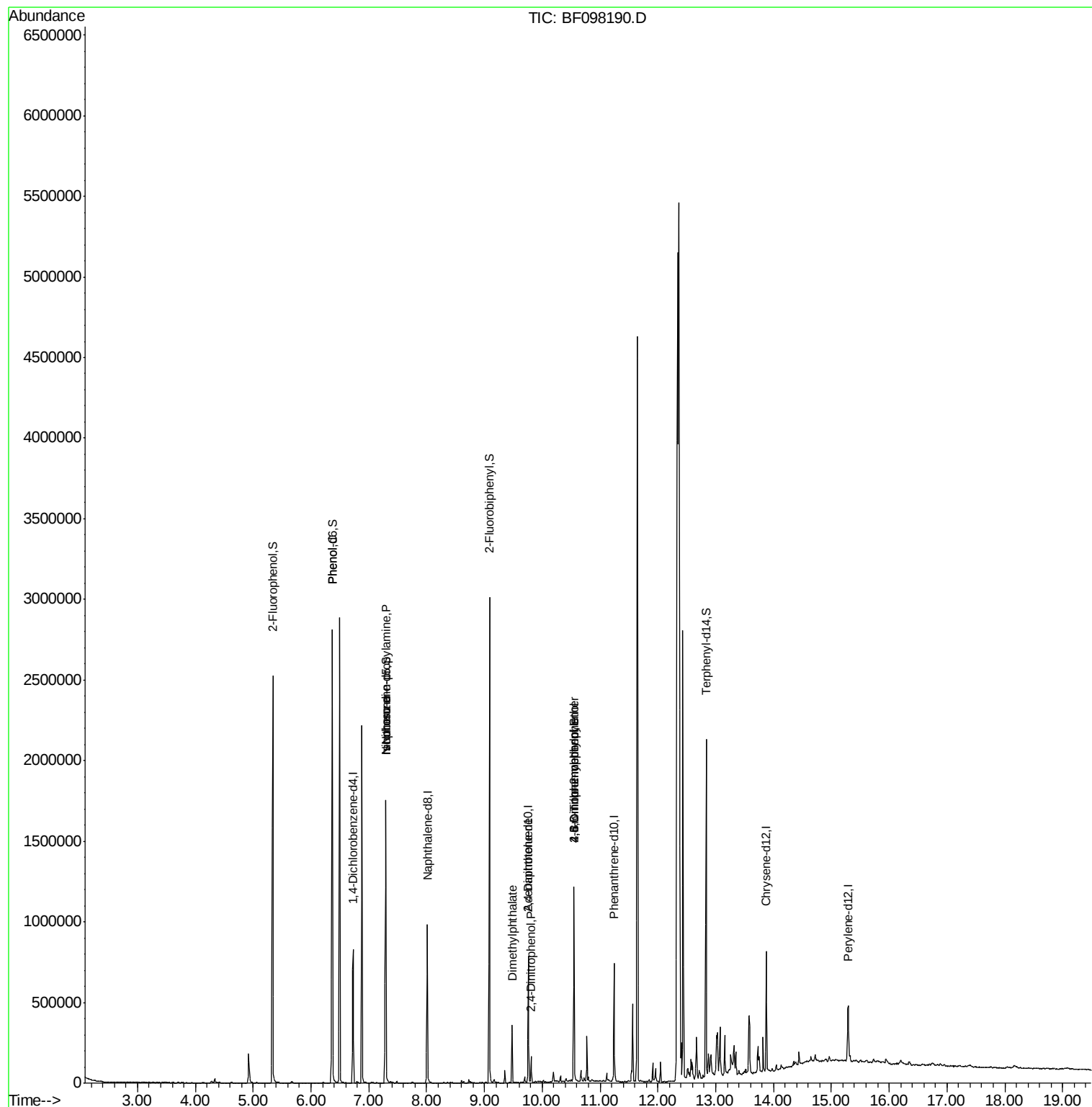
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	116046	20.00	ng	-0.02
21) Naphthalene-d8	8.01	136	422198	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	154322	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	258376	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	229514	20.00	ng	-0.02
86) Perylene-d12	15.29	264	152047	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	838138	109.86	ng	-0.01
7) Phenol-d6	6.37	99	1106767	106.77	ng	-0.02
23) Nitrobenzene-d5	7.29	82	626353	80.59	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	134170	100.20	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	858440	81.73	ng	-0.02
78) Terphenyl-d14	12.83	244	654065	59.43	ng	-0.02
Target Compounds						
10) Phenol	6.37	94	32408	2.673	ng	80
19) n-Nitroso-di-n-propylamine	7.29	70	82478	11.623	ng	# 72
25) Isophorone	7.29	82	615056	38.060	ng	# 67
49) Dimethylphthalate	9.48	163	134350	11.910	ng	98
53) 2,4-Dinitrophenol	9.81	184	156	10.269	ng	# 4
56) 2,4-Dinitrotoluene	9.76	165	19866	7.030	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.55	198	217	8.468	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	8953	3.337	ng	# 1

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

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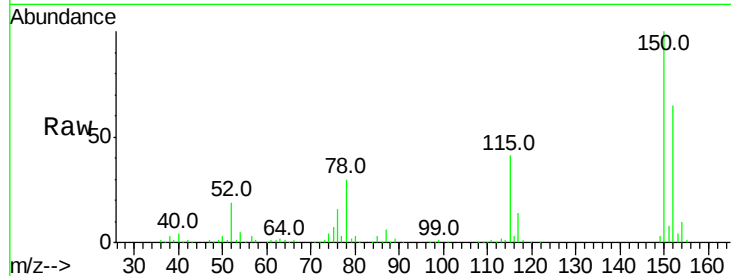


#1

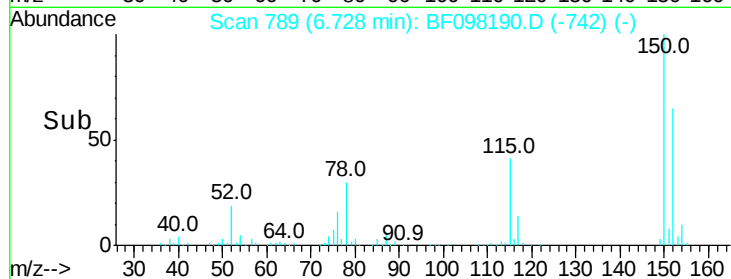
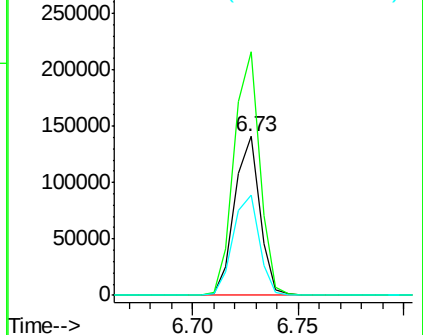
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF098190.D
Acq: 31 Aug 2017 8:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	126.2	189.2
115	62.7	52.2	78.2



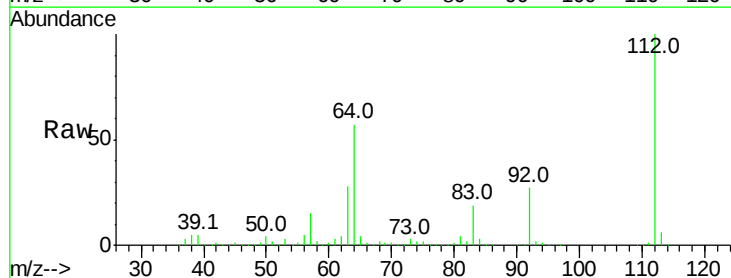
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



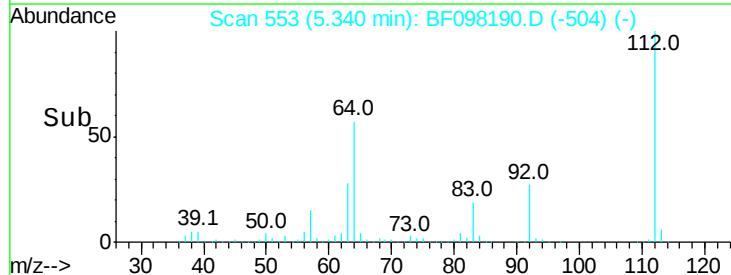
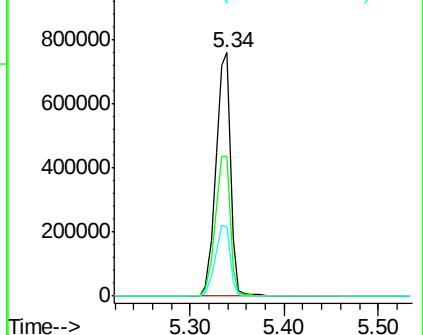
#5

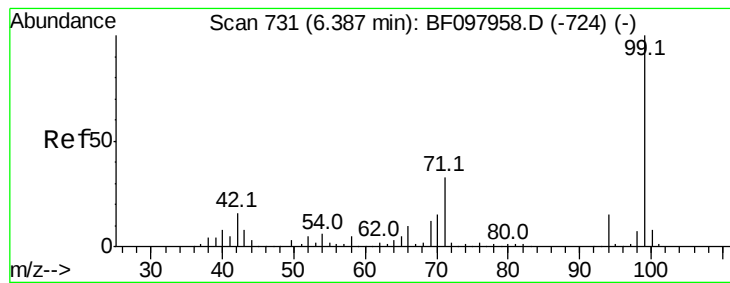
2-Fluorophenol
Concen: 109.859 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF098190.D
Acq: 31 Aug 2017 8:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	46.0	69.0
63	28.4	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: 106.770 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098190.D

Acq: 31 Aug 2017 8:27

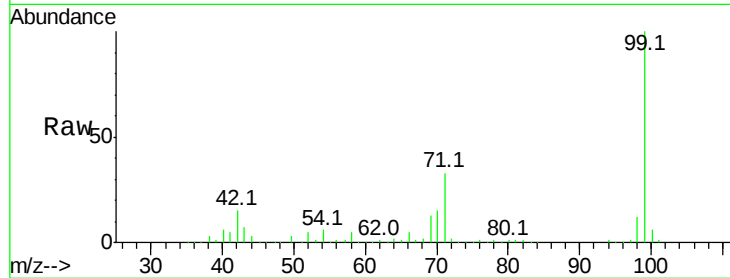
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1106767

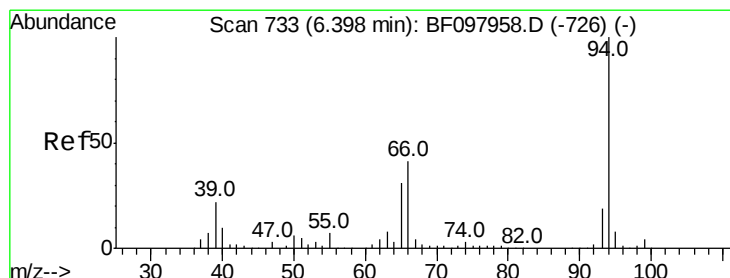
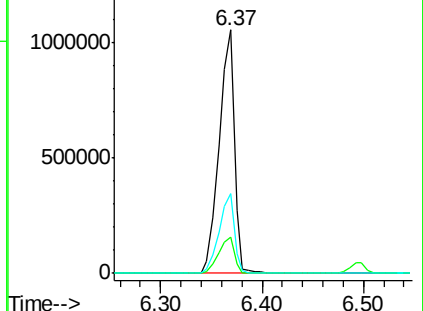
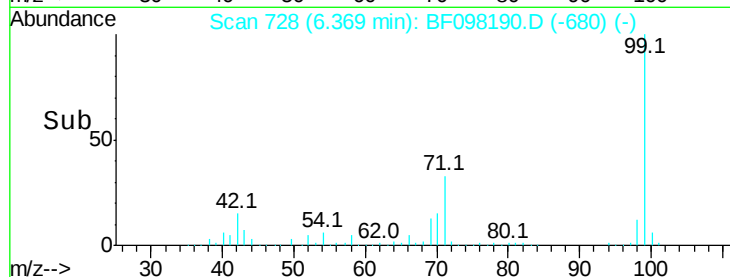
Ion	Ratio	Lower	Upper
99	100		
42	14.8	13.5	20.3
71	32.7	24.5	36.7



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



#10

Phenol

Concen: 2.673 ng

RT: 6.37 min Scan# 729

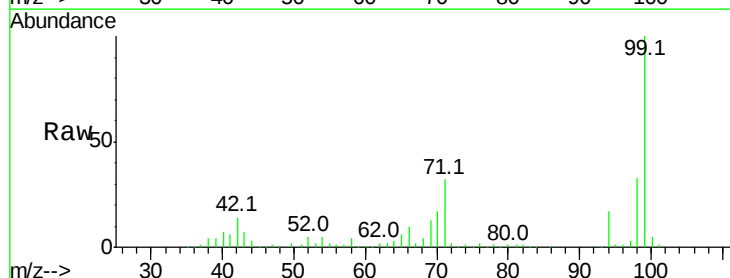
Delta R.T. -0.02 min

Lab File: BF098190.D

Acq: 31 Aug 2017 8:27

Tgt Ion: 94 Resp: 32408

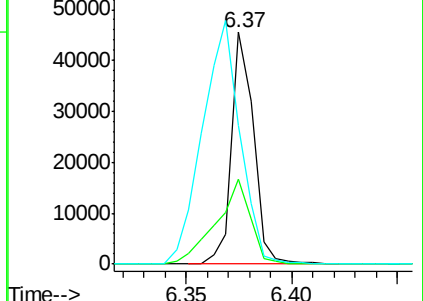
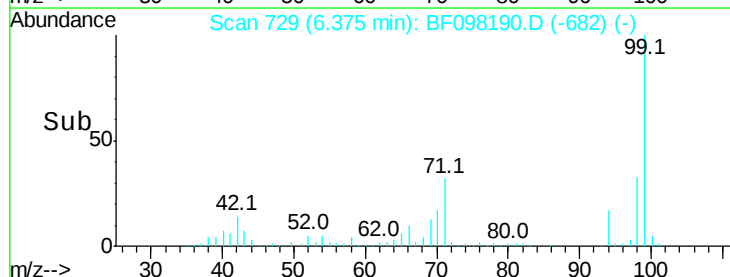
Ion	Ratio	Lower	Upper
94	100		
65	36.6	9.9	49.9
66	59.6	23.1	63.1

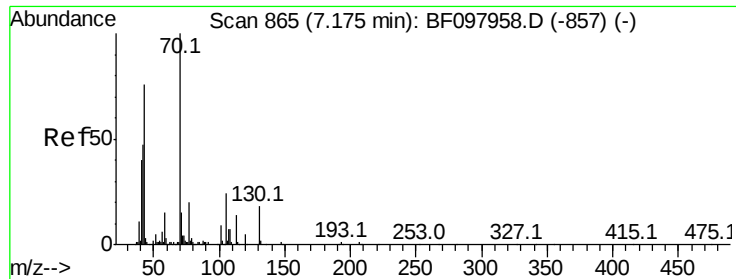


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 11.623 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.12 min

Lab File: BF098190.D

Acq: 31 Aug 2017 8:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 82478

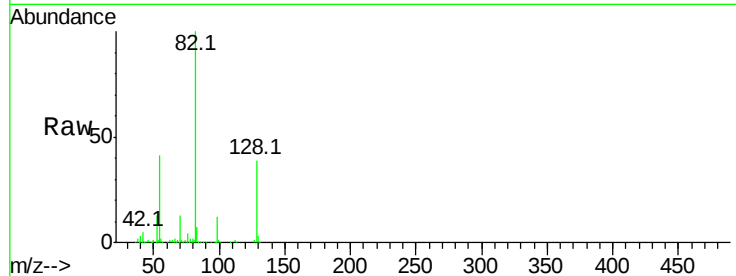
Ion Ratio Lower Upper

70 100

42 40.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

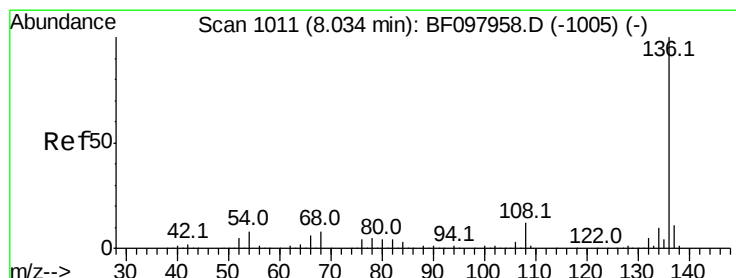
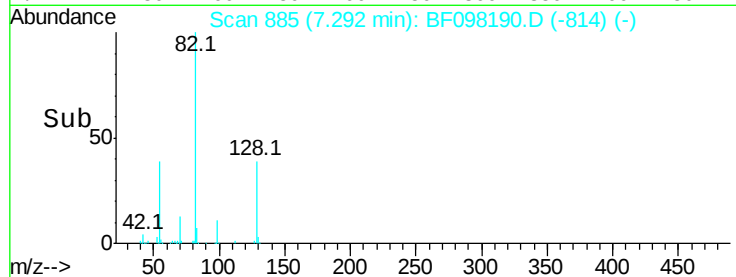
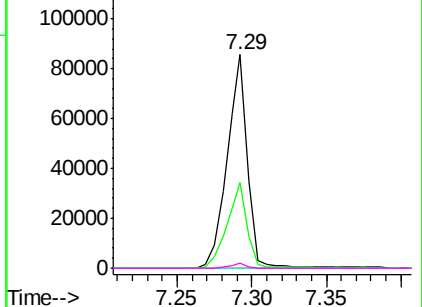


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BF098190.D

Acq: 31 Aug 2017 8:27

Tgt Ion: 136 Resp: 422198

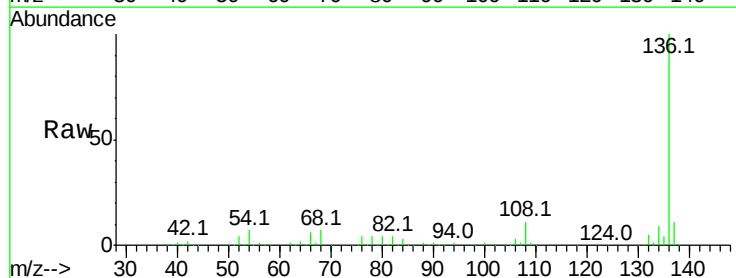
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.5 4.9 7.3#

68 7.2 4.1 6.1#

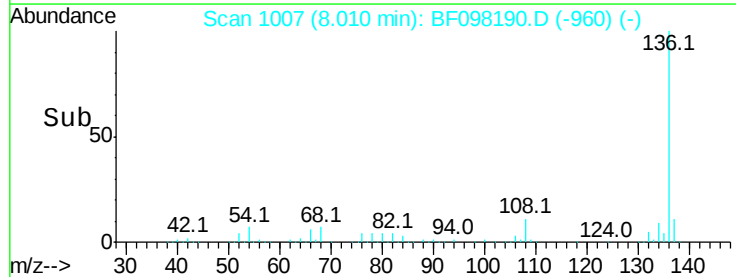
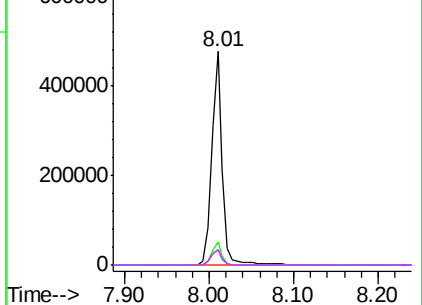


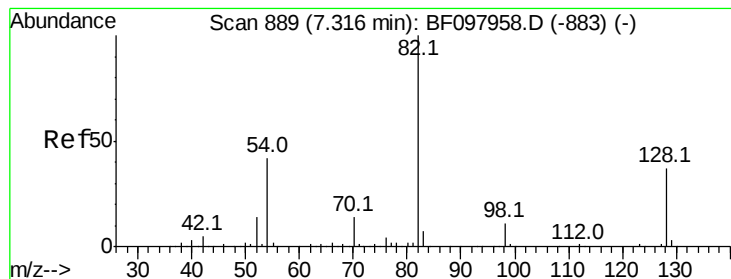
Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.593 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.03 min

Lab File: BF098190.D

Acq: 31 Aug 2017 8:27

Instrument :

BNA_F

ClientSampleId :

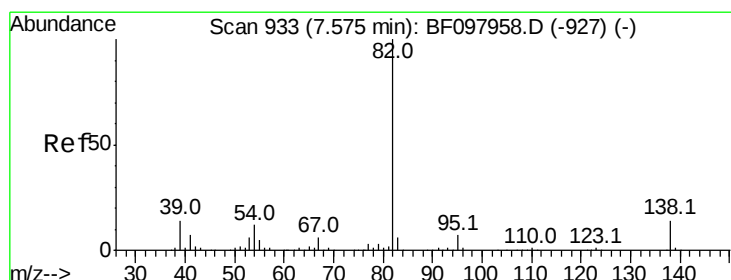
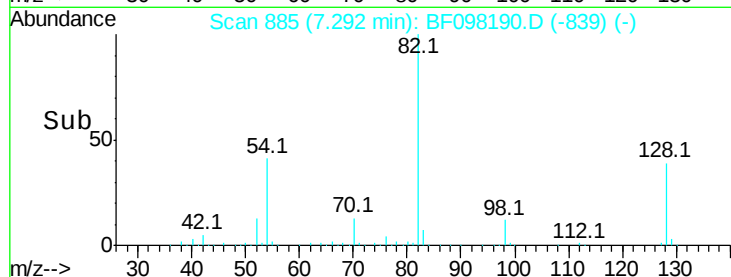
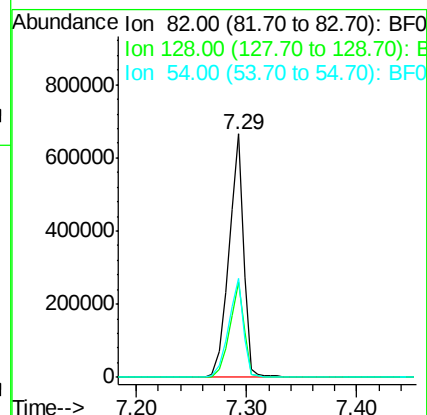
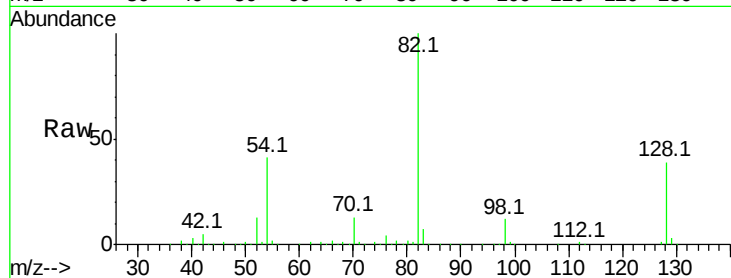
Tot Ion: 82 Resp: 626353

Ion Ratio Lower Upper

82 100

128 39.3 34.0 51.0

54 40.8 42.2 63.2#



#25

Isophorone

Concen: 38.060 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.29 min

Lab File: BF098190.D

Acq: 31 Aug 2017 8:27

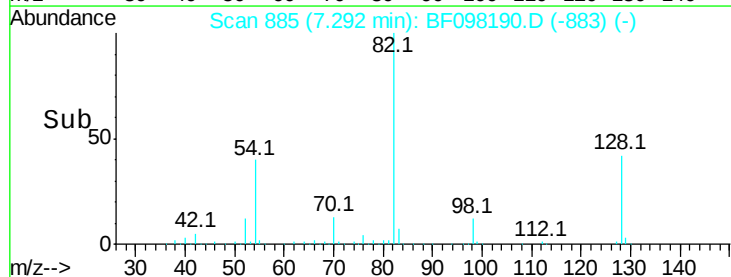
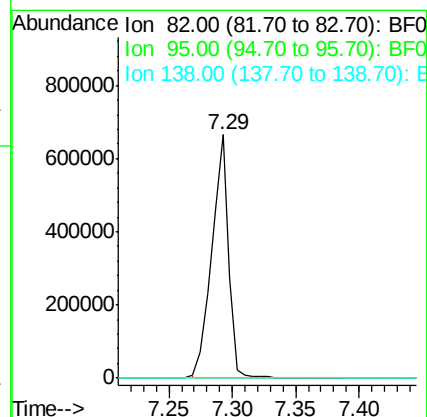
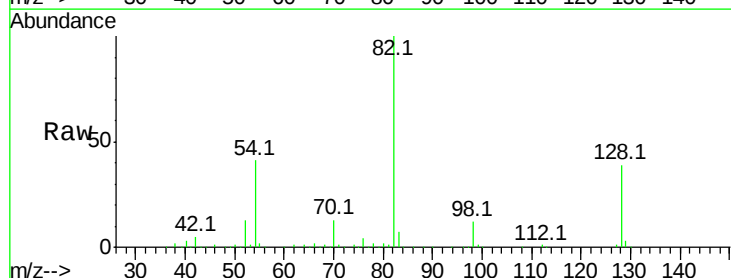
Tgt Ion: 82 Resp: 615056

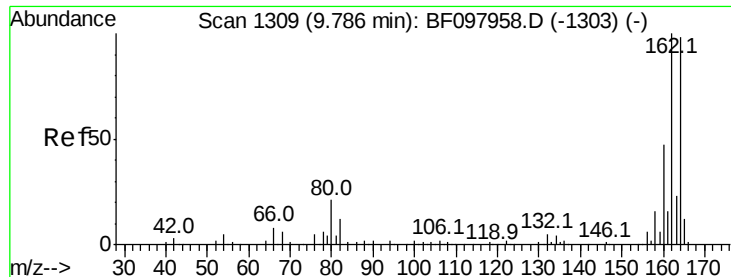
Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#

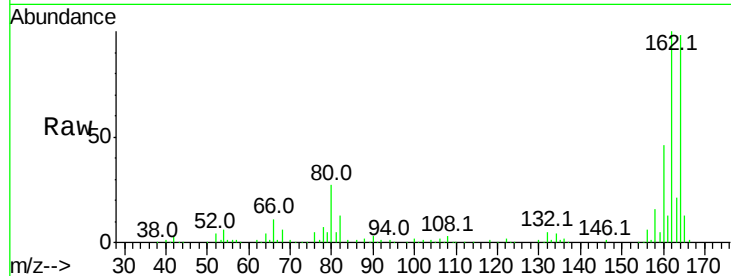




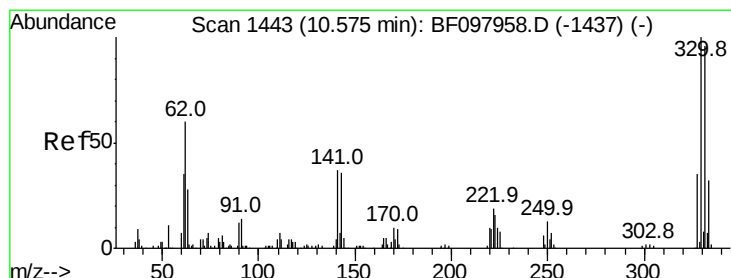
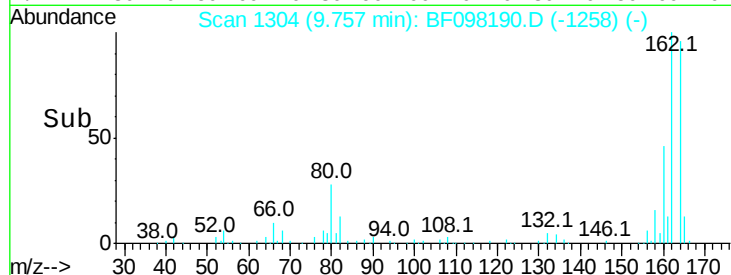
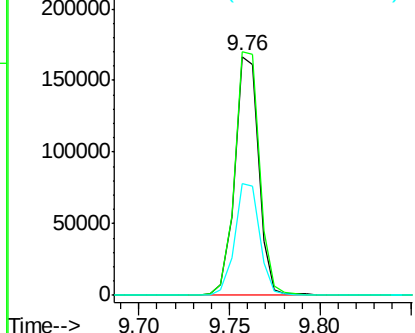
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.03 min
 Lab File: BF098190.D
 Acq: 31 Aug 2017 8:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 154322
 Ion Ratio Lower Upper
 164 100
 162 102.0 82.6 123.8
 160 47.0 36.2 54.2

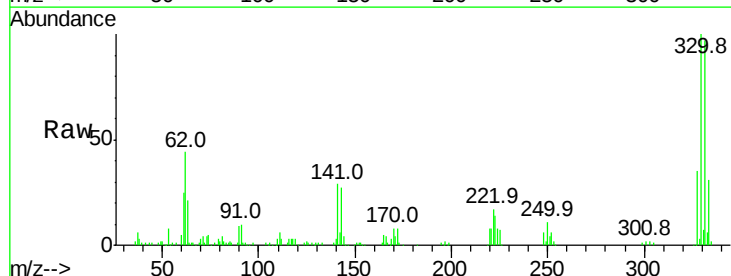


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

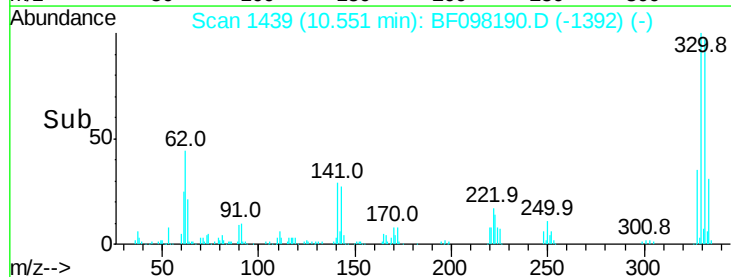
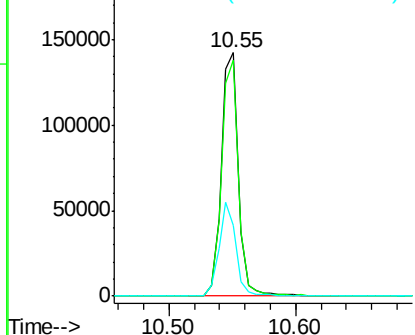


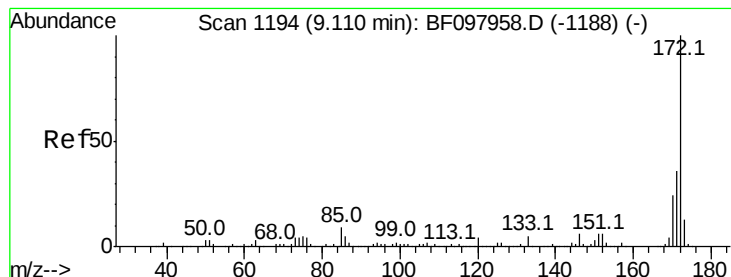
#41
 2,4,6-Tribromophenol
 Concen: 100.202 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF098190.D
 Acq: 31 Aug 2017 8:27

Tgt Ion:330 Resp: 134170
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.6 115.0
 141 38.4 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: 81.727 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.02 min

Lab File: BF098190.D

Acq: 31 Aug 2017 8:27

Instrument :

BNA_F

ClientSampled :

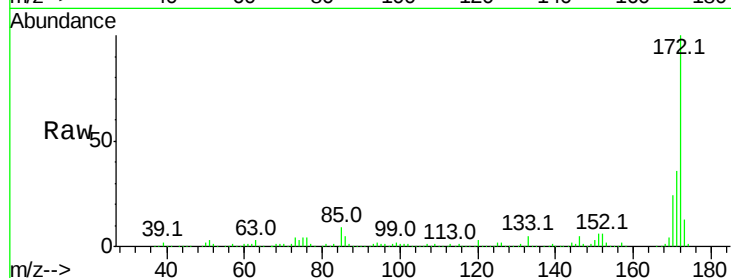
Tot Ion:172 Resp: 858440

Ion Ratio Lower Upper

172 100

171 35.7 29.6 44.4

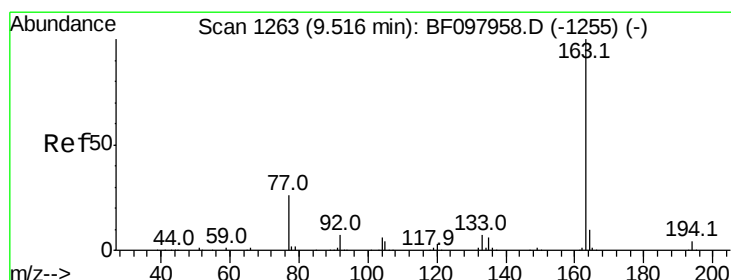
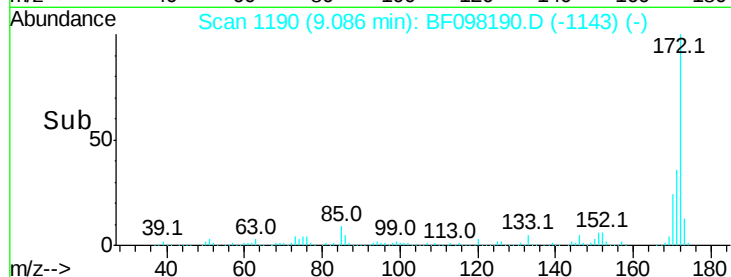
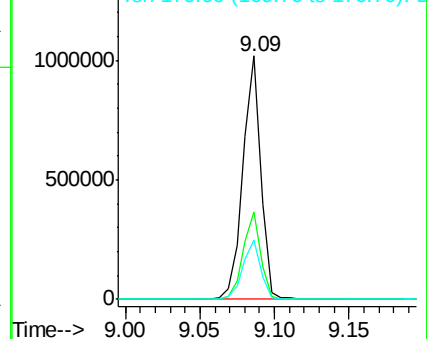
170 24.4 19.8 29.8



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: 11.910 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.04 min

Lab File: BF098190.D

Acq: 31 Aug 2017 8:27

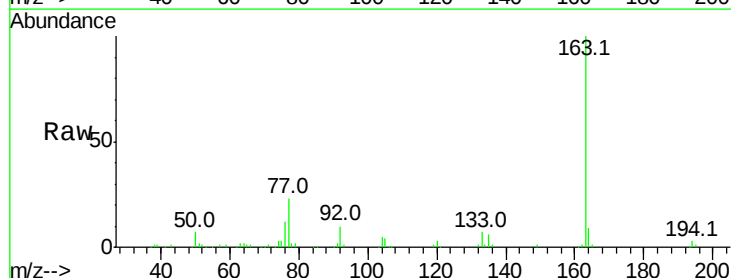
Tgt Ion:163 Resp: 134350

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

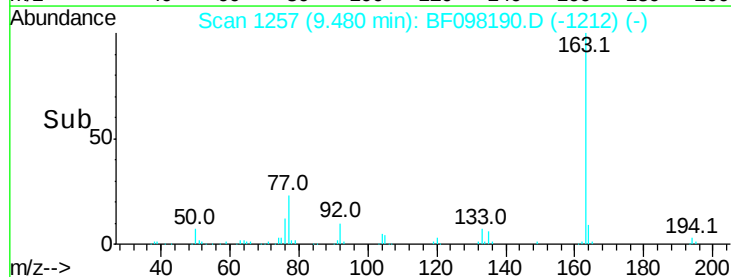
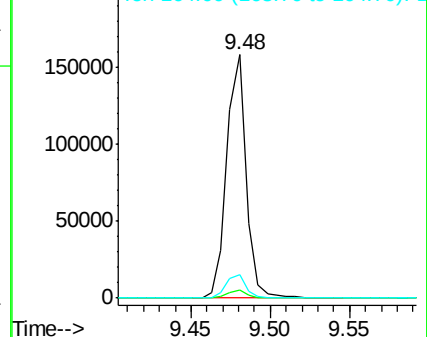
164 9.4 8.4 12.6

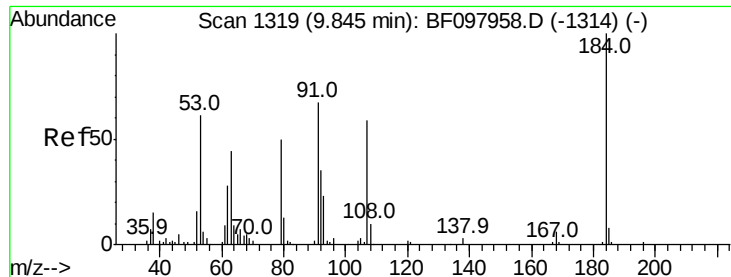


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#53

2,4-Dinitrophenol

Concen: 10.269 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.04 min

Lab File: BF098190.D

Acq: 31 Aug 2017 8:27

Instrument :

BNA_F

ClientSampleId :

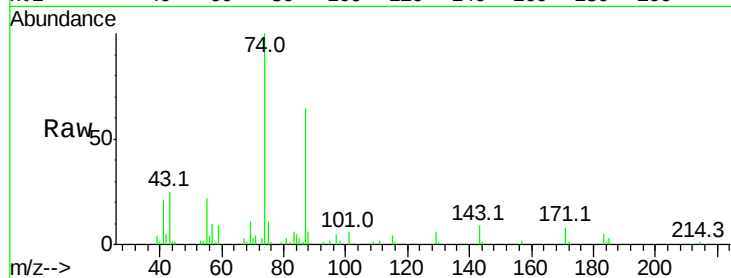
Tot Ion:184 Resp: 156

Ion Ratio Lower Upper

184 100

63 0.0 62.7 94.1#

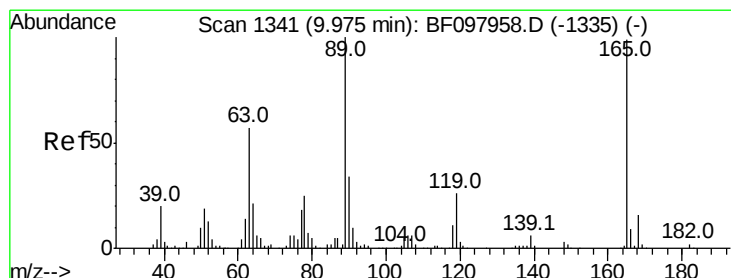
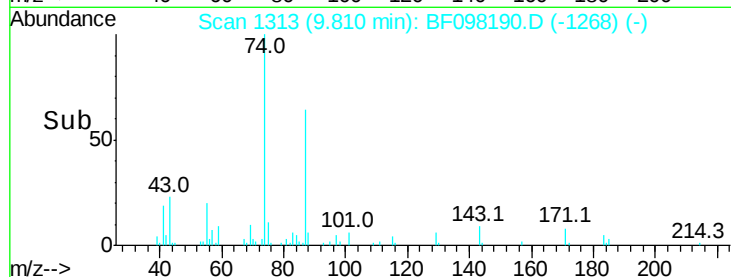
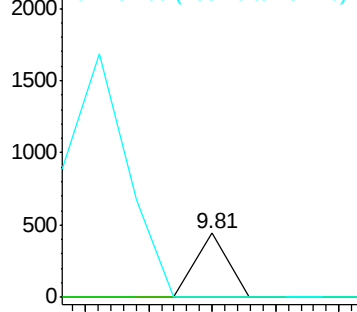
154 0.0 81.1 121.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#56

2,4-Dinitrotoluene

Concen: 7.030 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.22 min

Lab File: BF098190.D

Acq: 31 Aug 2017 8:27

Tgt Ion:165 Resp: 19866

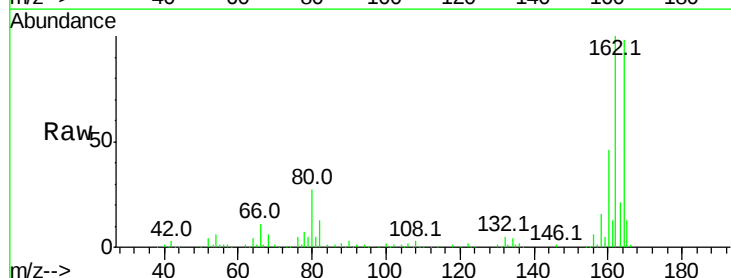
Ion Ratio Lower Upper

165 100

63 1.6 25.4 38.0#

89 1.8 46.4 69.6#

182 0.0 1.8 2.6#

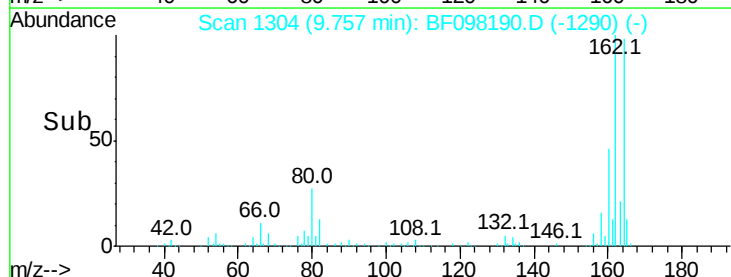
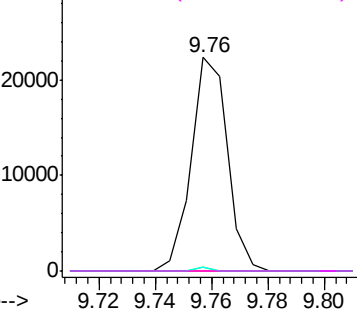


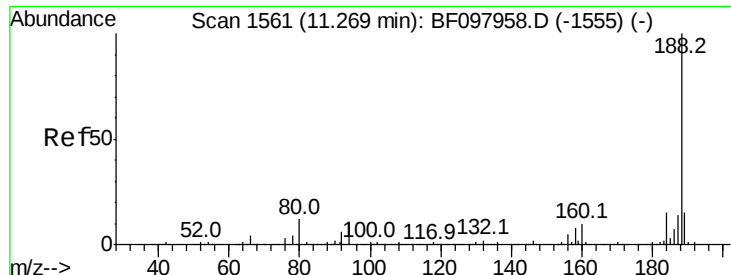
Abundance Ion 165.00 (164.70 to 165.70): E

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

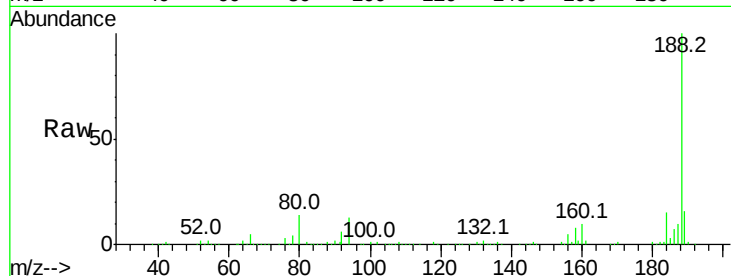




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.02 min
 Lab File: BF098190.D
 Acq: 31 Aug 2017 8:27

Instrument :
 BNA_F
 ClientSampleId :

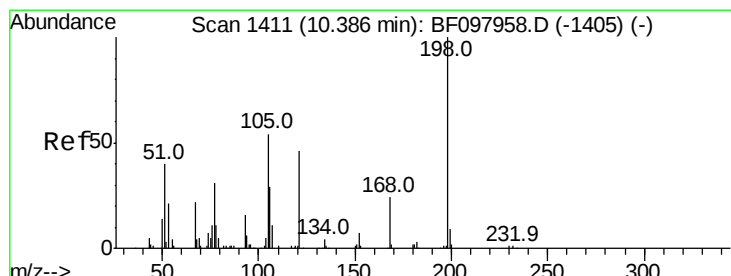
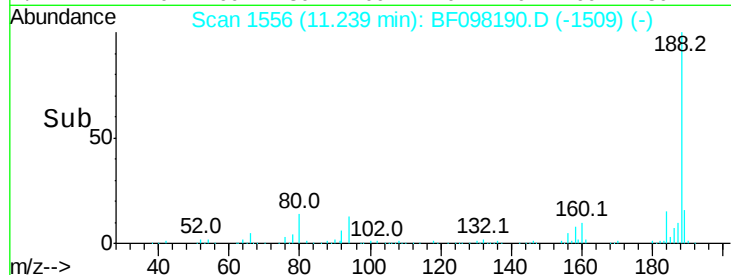
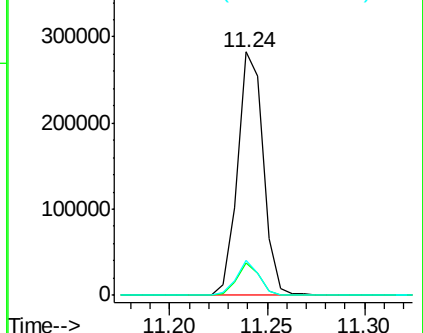
Tot Ion	Ratio	Lower	Upper
188	100		
94	13.1	9.4	14.2
80	14.2	10.2	15.2



Abundance Ion 188.00 (187.70 to 188.70): E

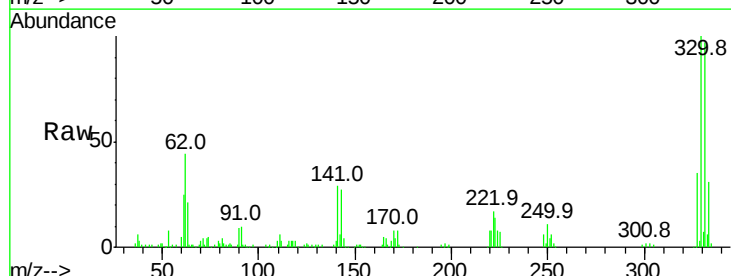
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.468 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.17 min
 Lab File: BF098190.D
 Acq: 31 Aug 2017 8:27

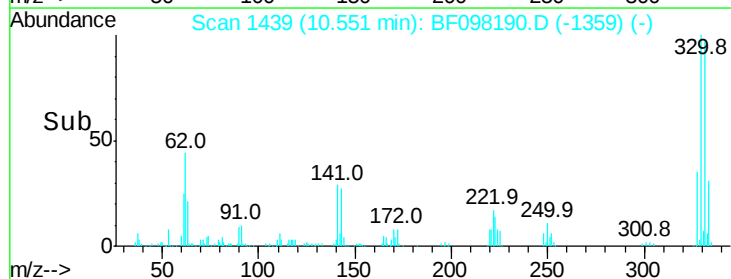
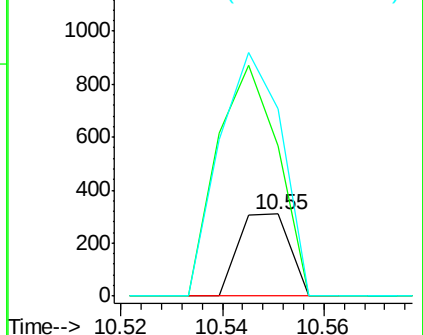
Tgt Ion	Ratio	Lower	Upper
198	100		
51	183.5	53.2	93.2#
105	227.7	45.8	85.8#

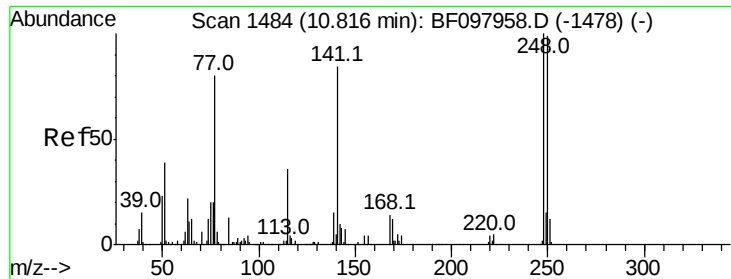


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

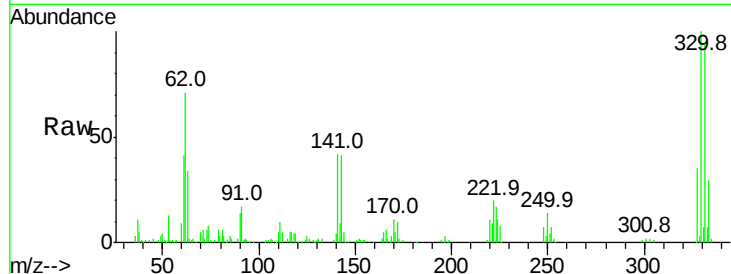




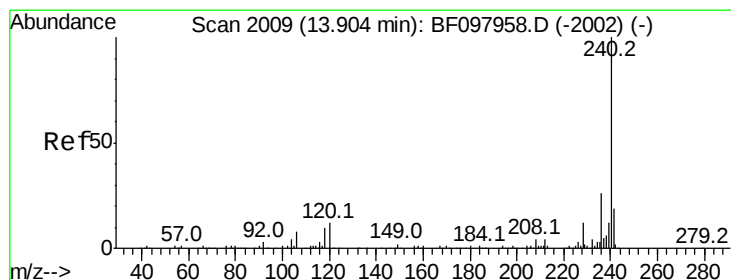
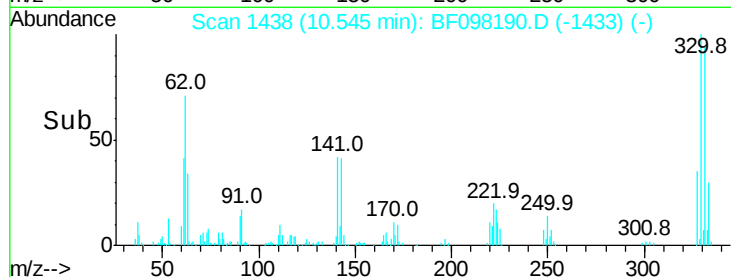
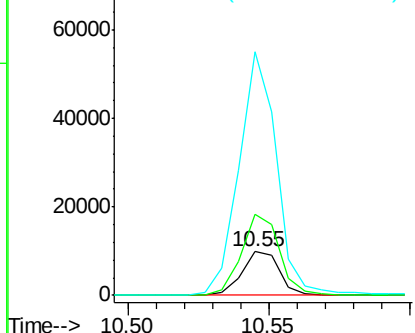
#66
 4-Bromophenyl-phenylether
 Concen: 3.337 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.27 min
 Lab File: BF098190.D
 Acq: 31 Aug 2017 8:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8953
 Ion Ratio Lower Upper
 248 100
 250 187.2 76.8 115.2#
 141 561.4 68.6 103.0#

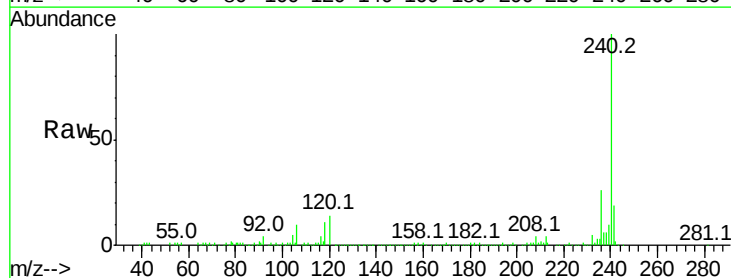


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

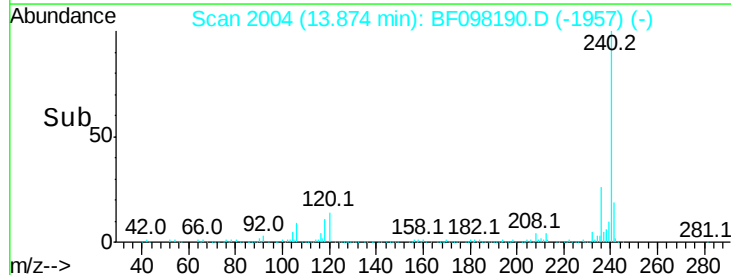
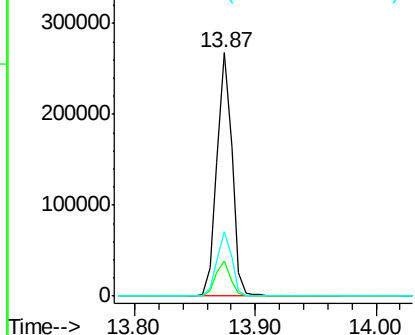


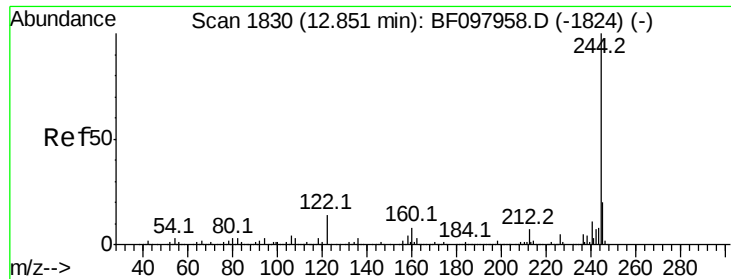
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.02 min
 Lab File: BF098190.D
 Acq: 31 Aug 2017 8:27

Tgt Ion:240 Resp: 229514
 Ion Ratio Lower Upper
 240 100
 120 14.2 5.8 8.8#
 236 26.4 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: 59.428 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF098190.D

Acq: 31 Aug 2017 8:27

Instrument :

BNA_F

ClientSampleId :

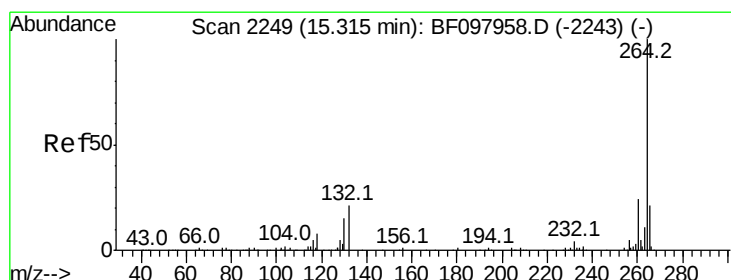
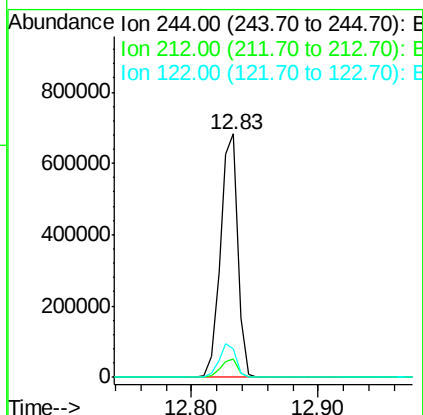
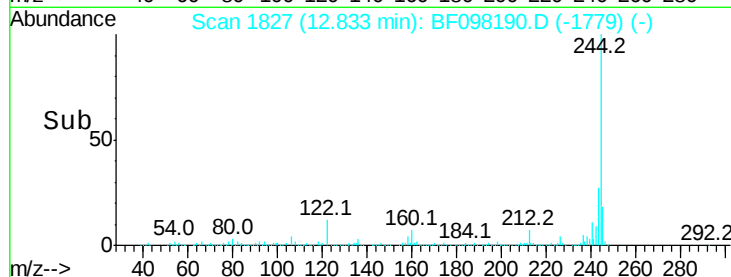
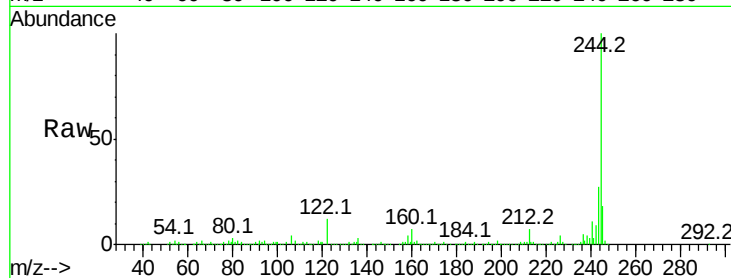
Tot Ion:244 Resp: 654065

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 12.0 10.3 15.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BF098190.D

Acq: 31 Aug 2017 8:27

Tgt Ion:264 Resp: 152047

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 21.3 17.2 25.8

