

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097357.D
 Acq On : 4 Aug 2017 15:50
 Operator : SJ/JU
 Sample : I4542-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 04 16:57:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 16:25:29 2017
 Response via : Initial Calibration

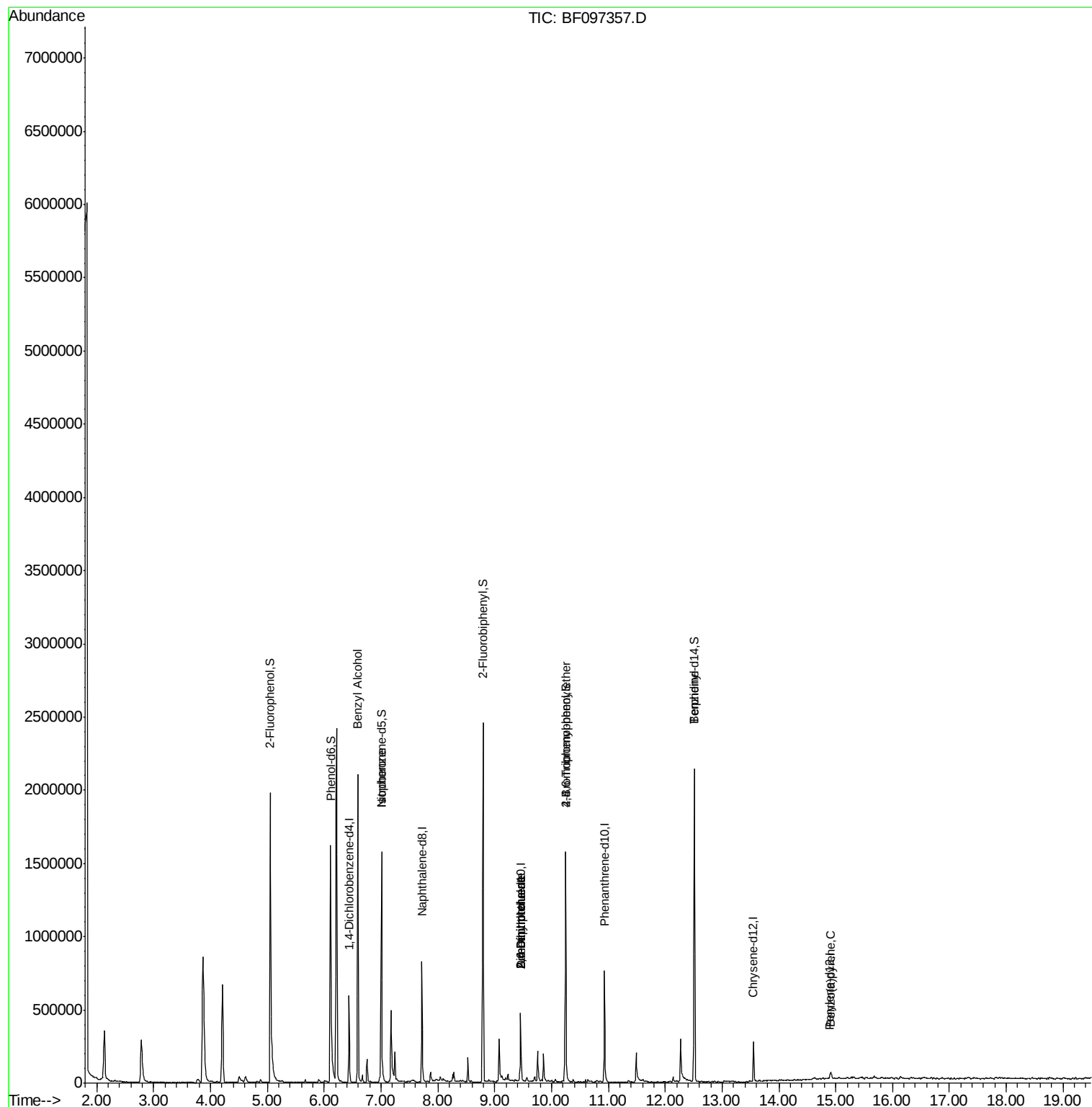
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	102098	20.00	ng	0.00
21) Naphthalene-d8	7.72	136	383503	20.00	ng	0.00
38) Acenaphthene-d10	9.46	164	79416	20.00	ng	-0.01
63) Phenanthrene-d10	10.93	188	222364	20.00	ng	0.00
75) Chrysene-d12	13.55	240	56631	20.00	ng	-0.01
86) Perylene-d12	14.89	264	1779	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	776941	114.72	ng	0.02
7) Phenol-d6	6.11	99	449698	58.16	ng	0.00
23) Nitrobenzene-d5	7.01	82	578472	88.49	ng	0.00
41) 2,4,6-Tribromophenol	10.25	330	201659	321.39	ng	0.00
44) 2-Fluorobiphenyl	8.80	172	982537	209.97	ng	0.00
78) Terphenyl-d14	12.52	244	574986	207.01	ng	0.00
Target Compounds						
15) Benzyl Alcohol	6.59	79	10016	2.046	ng	# 36
25) Isophorone	7.01	82	531115	41.485	ng	# 67
49) Dimethylphthalate	9.46	163	43151	7.155	ng	# 1
50) 2,6-Dinitrotoluene	9.46	165	10106	7.901	ng	# 38
56) 2,4-Dinitrotoluene	9.46	165	10106	6.873	ng	# 37
66) 4-Bromophenyl-phenylether	10.25	248	13160	5.930	ng	# 1
76) Benzidine	12.52	184	8115	3.862	ng	# 76
89) Benzo(a)pyrene	14.91	252	1158	11.832	ng	# 1

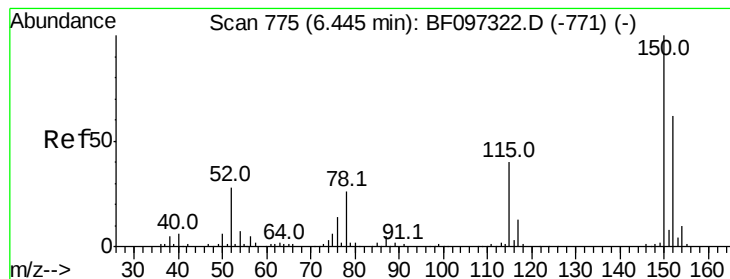
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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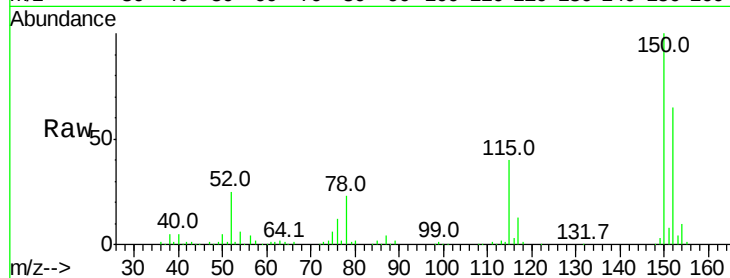


#1

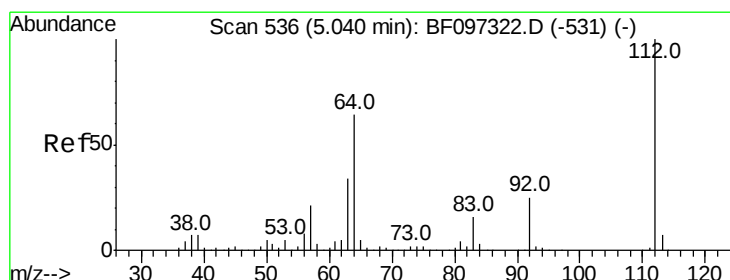
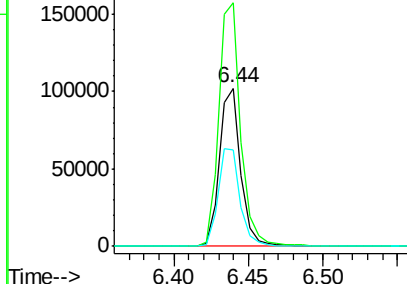
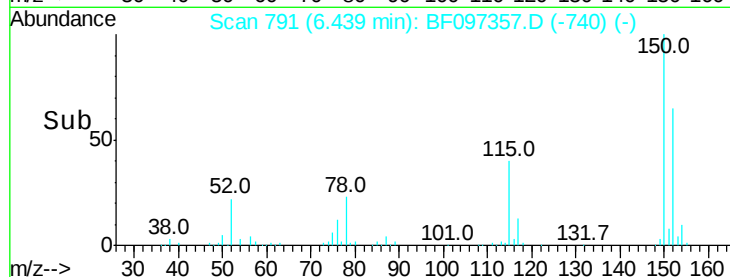
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF097357.D
Acq: 4 Aug 2017 15:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 102098
Ion Ratio Lower Upper
152 100
150 153.8 126.2 189.2
115 61.0 52.2 78.2



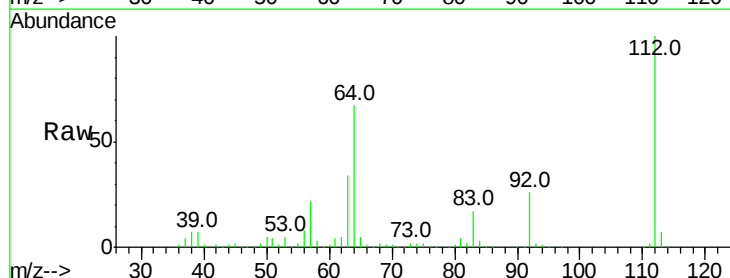
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



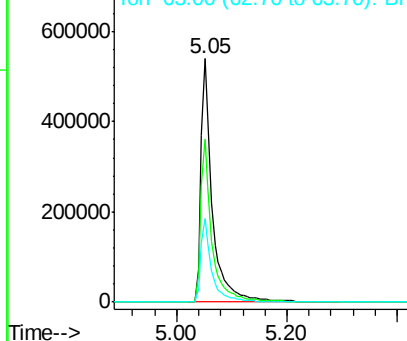
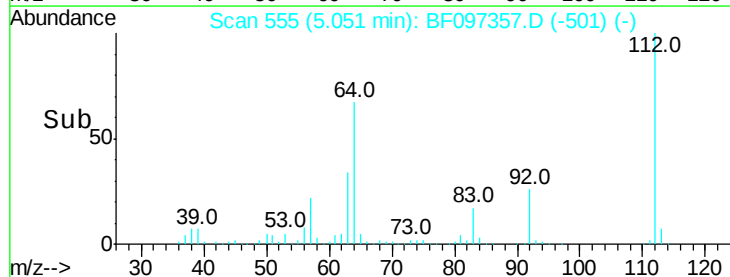
#5

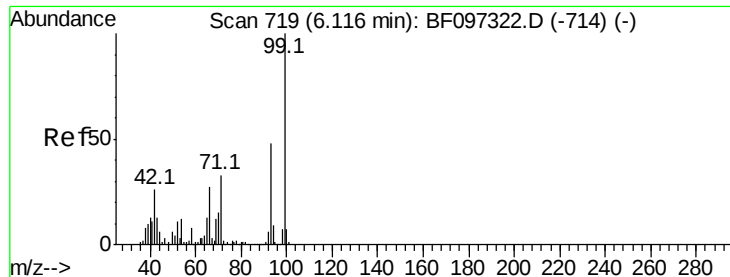
2-Fluorophenol
Concen: 114.716 ng
RT: 5.05 min Scan# 555
Delta R.T. 0.02 min
Lab File: BF097357.D
Acq: 4 Aug 2017 15:50

Tgt Ion:112 Resp: 776941
Ion Ratio Lower Upper
112 100
64 67.2 46.0 69.0
63 34.3 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: 58.162 ng

RT: 6.11 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF097357.D

Acq: 4 Aug 2017 15:50

Instrument :

BNA_F

ClientSampled :

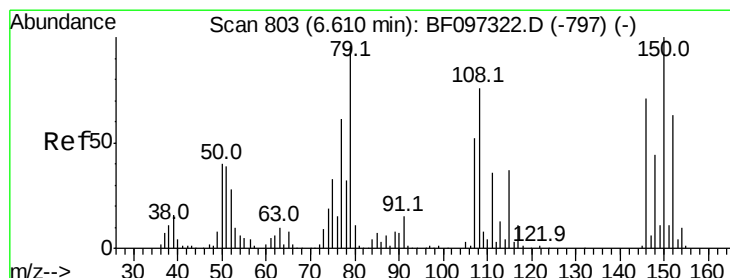
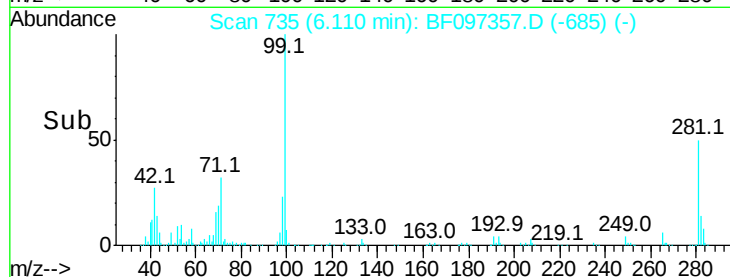
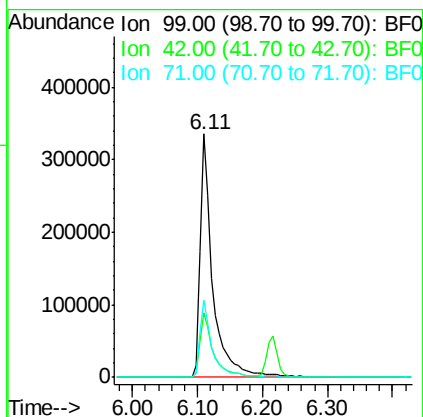
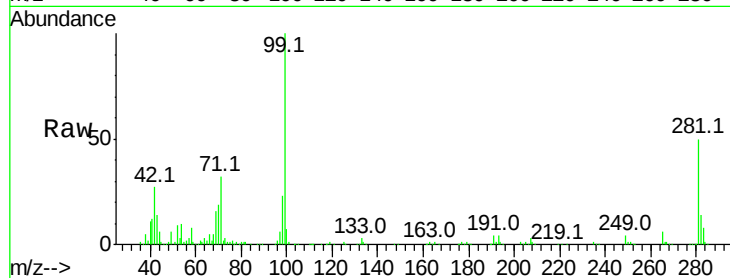
Tot Ion: 99 Resp: 449698

Ion Ratio Lower Upper

99 100

42 26.7 13.5 20.3#

71 31.7 24.5 36.7



#15

Benzyl Alcohol

Concen: 2.046 ng

RT: 6.59 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF097357.D

Acq: 4 Aug 2017 15:50

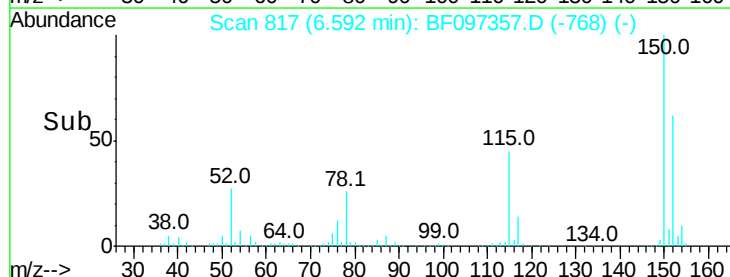
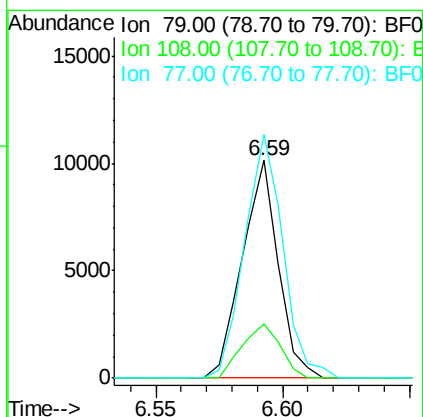
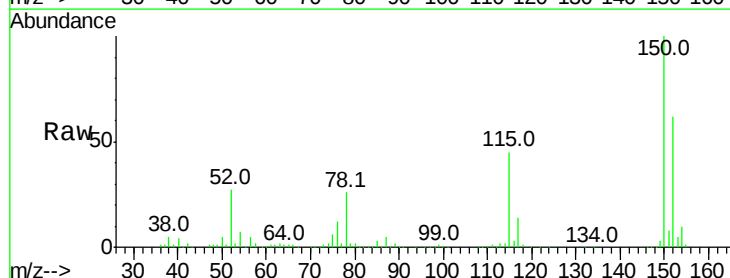
Tgt Ion: 79 Resp: 10016

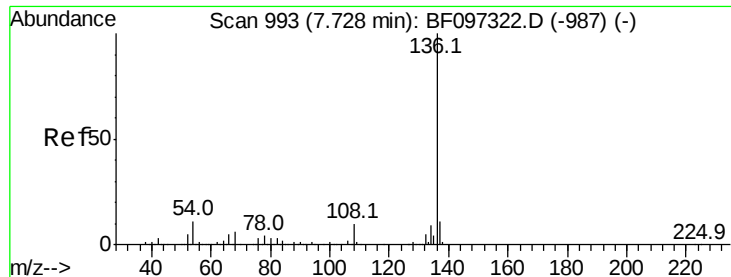
Ion Ratio Lower Upper

79 100

108 24.7 63.4 95.0#

77 112.0 49.2 73.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.72 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF097357.D

Acq: 4 Aug 2017 15:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 383503

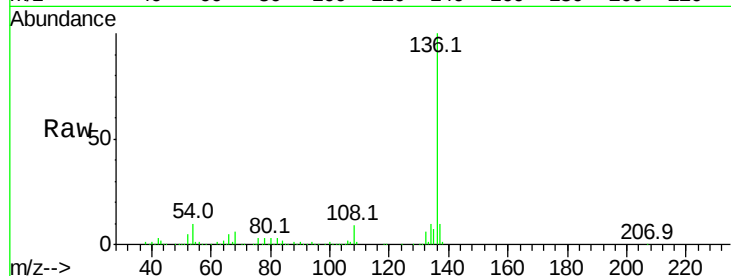
Ion Ratio Lower Upper

136 100

137 10.3 8.5 12.7

54 9.7 4.9 7.3#

68 5.6 4.1 6.1

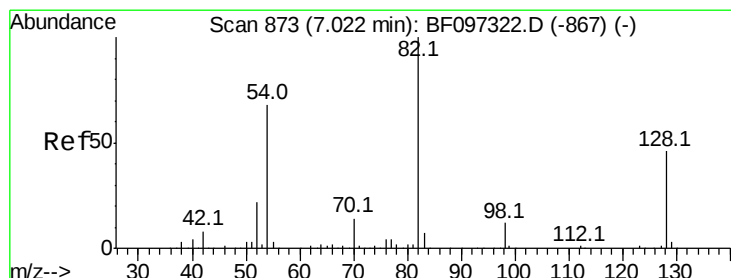
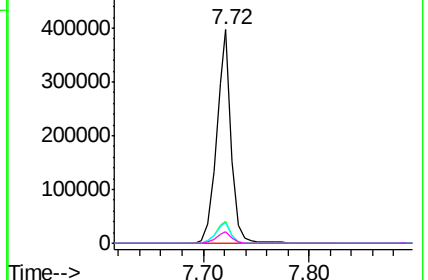
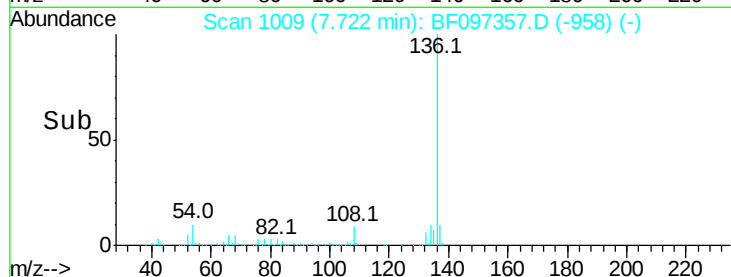


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.488 ng

RT: 7.01 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF097357.D

Acq: 4 Aug 2017 15:50

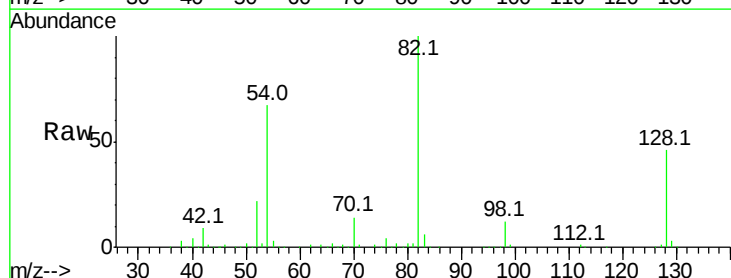
Tgt Ion: 82 Resp: 578472

Ion Ratio Lower Upper

82 100

128 46.5 34.0 51.0

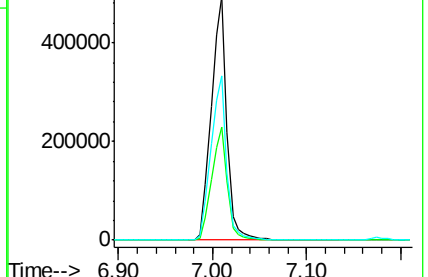
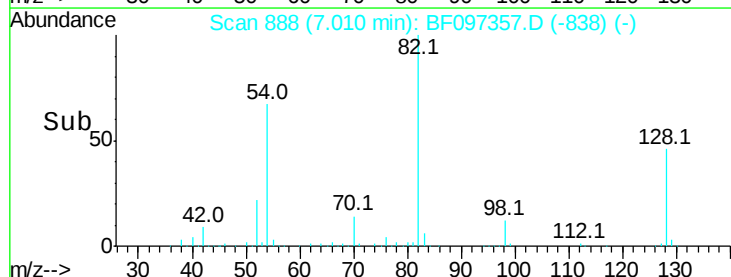
54 67.4 42.2 63.2#

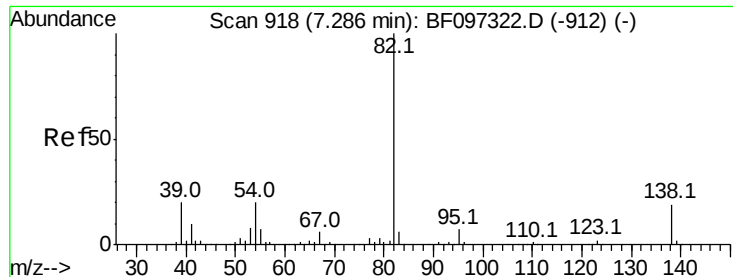


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 41.485 ng

RT: 7.01 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF097357.D

Acq: 4 Aug 2017 15:50

Instrument :

BNA_F

ClientSampled :

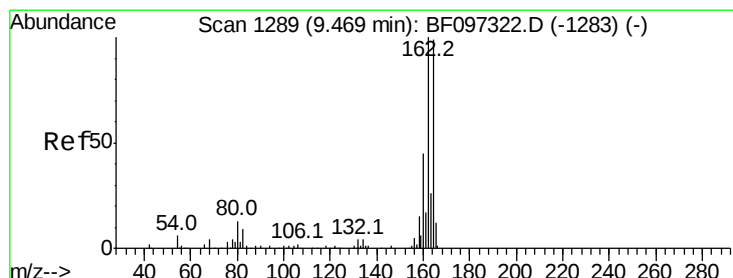
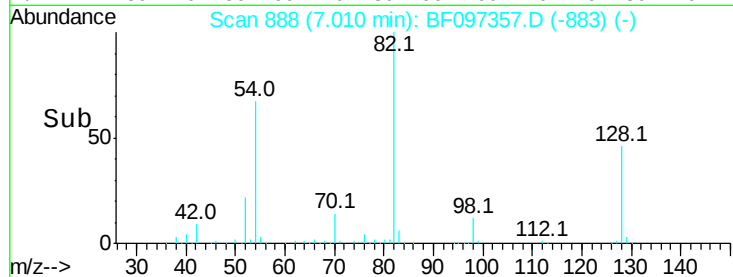
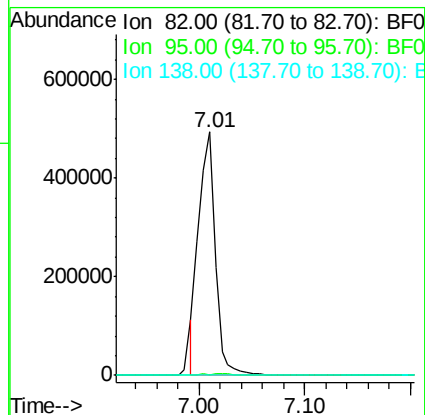
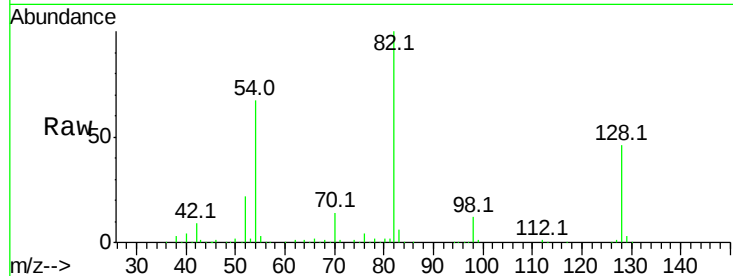
Tot Ion: 82 Resp: 531115

Ion Ratio Lower Upper

82 100

95 0.4 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.46 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF097357.D

Acq: 4 Aug 2017 15:50

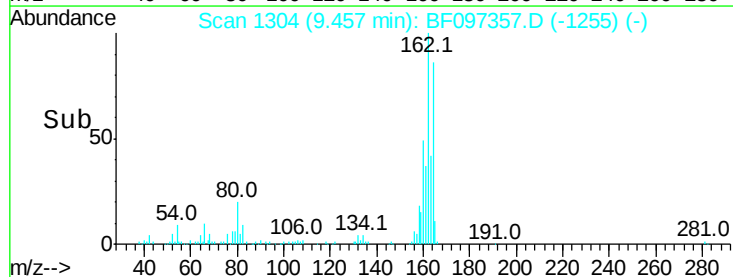
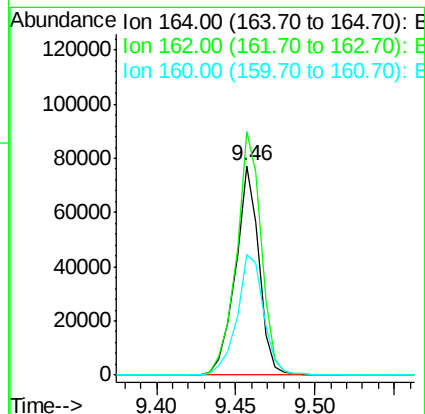
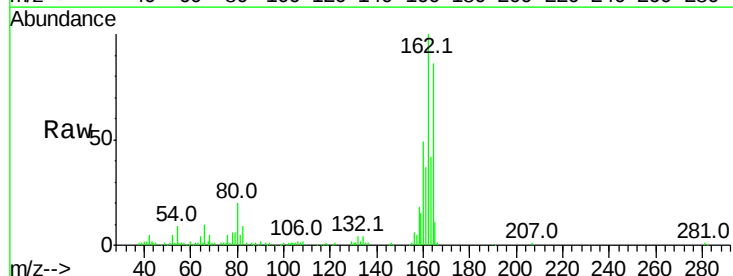
Tgt Ion:164 Resp: 79416

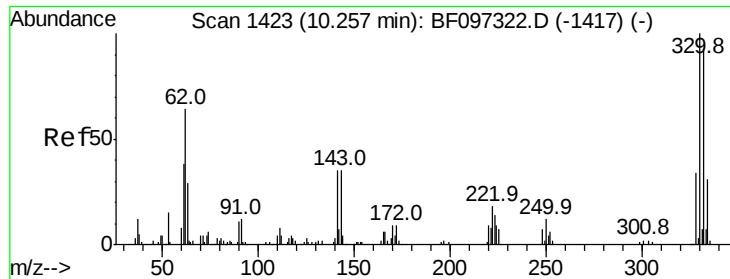
Ion Ratio Lower Upper

164 100

162 116.4 82.6 123.8

160 57.5 36.2 54.2#

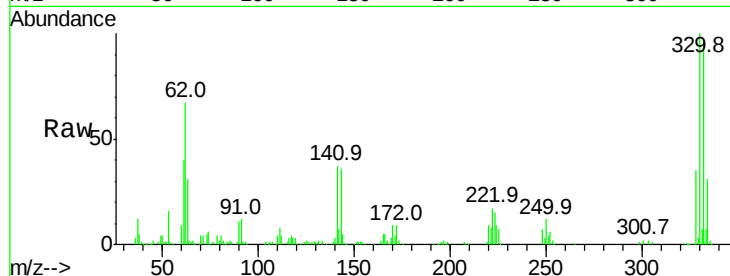




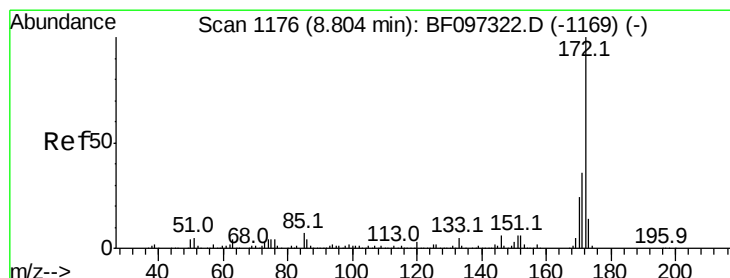
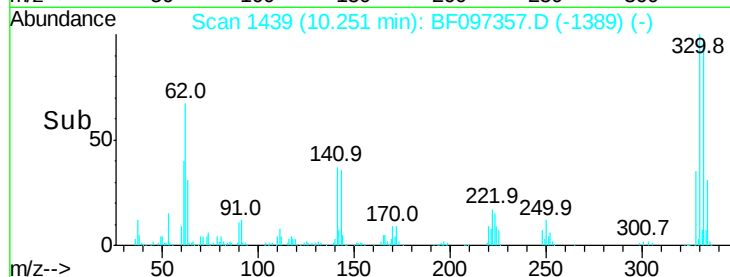
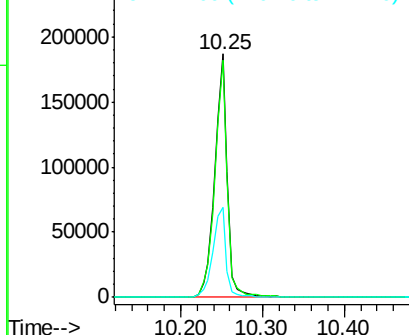
#41
 2,4,6-Tribromophenol
 Concen: 321.388 ng
 RT: 10.25 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF097357.D
 Acq: 4 Aug 2017 15:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	115.0
141	38.3	31.4	47.2

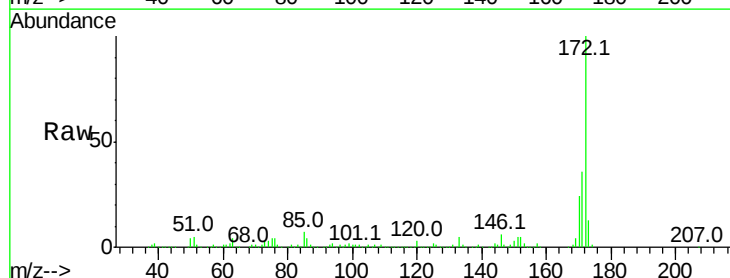


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

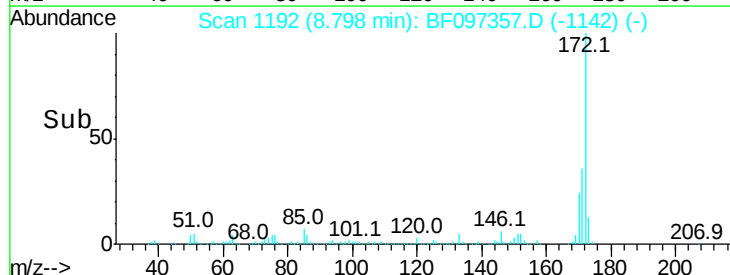
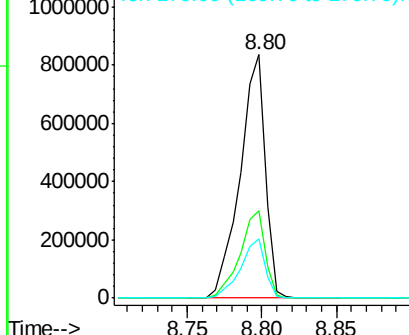


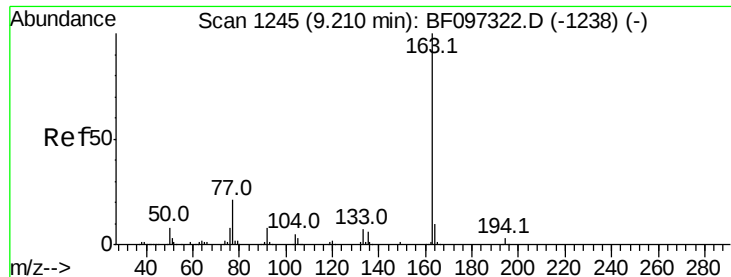
#44
 2-Fluorobiphenyl
 Concen: 209.965 ng
 RT: 8.80 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF097357.D
 Acq: 4 Aug 2017 15:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	24.3	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: 7.155 ng

RT: 9.46 min Scan# 1305

Delta R.T. 0.25 min

Lab File: BF097357.D

Acq: 4 Aug 2017 15:50

Instrument :

BNA_F

ClientSampleId :

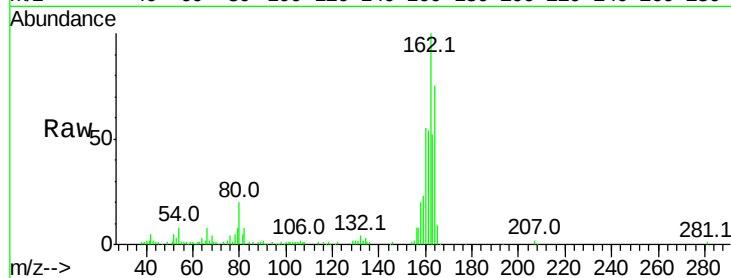
Tot Ion:163 Resp: 43151

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

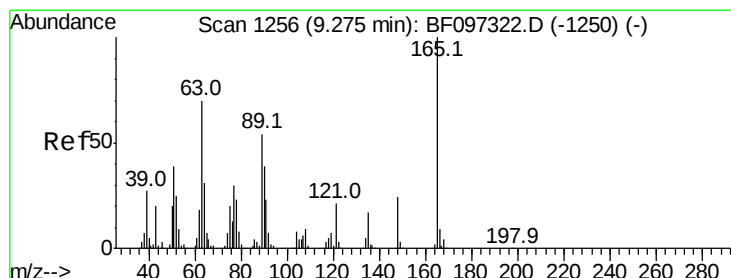
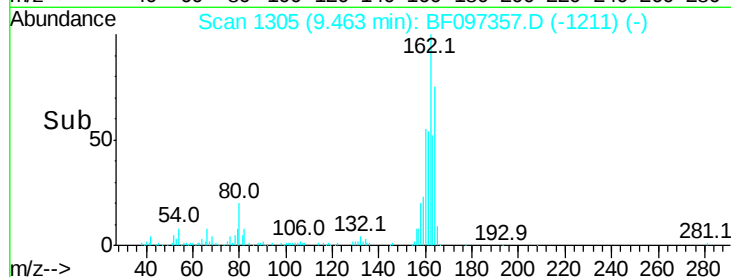
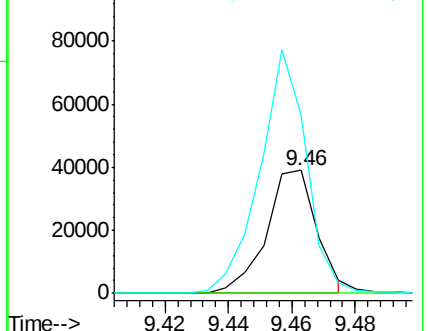
164 144.6 8.4 12.6#



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: 7.901 ng

RT: 9.46 min Scan# 1304

Delta R.T. 0.18 min

Lab File: BF097357.D

Acq: 4 Aug 2017 15:50

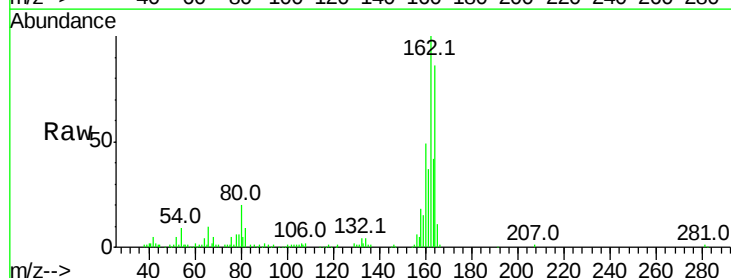
Tgt Ion:165 Resp: 10106

Ion Ratio Lower Upper

165 100

63 4.7 34.3 51.5#

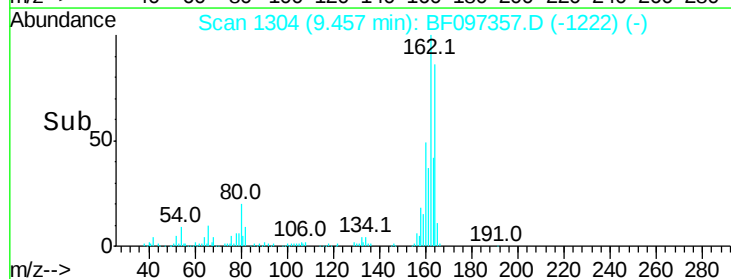
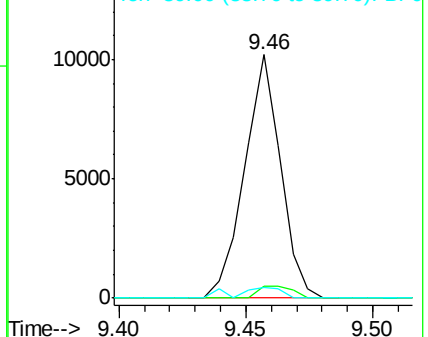
89 4.3 37.1 55.7#

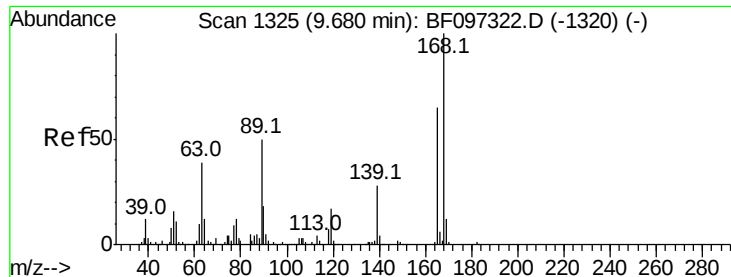


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

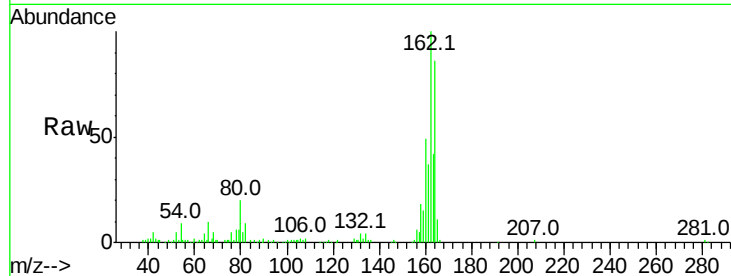




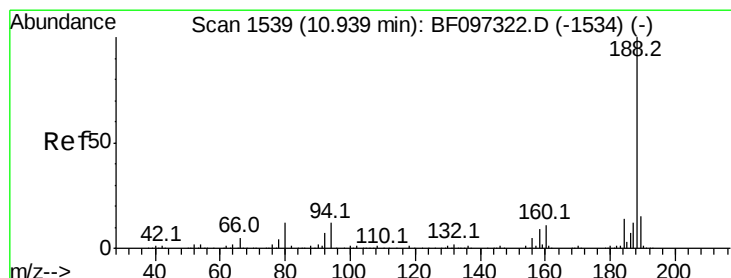
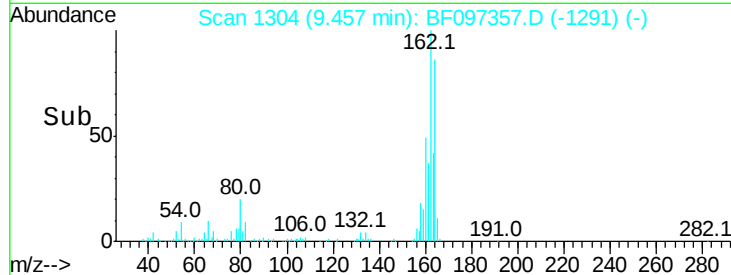
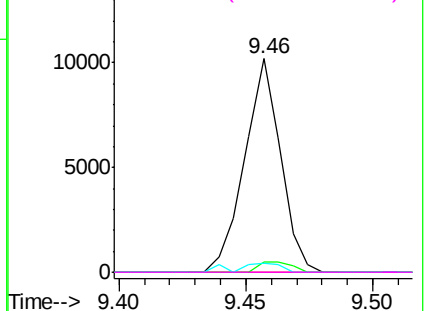
#56
 2,4-Dinitrotoluene
 Concen: 6.873 ng
 RT: 9.46 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF097357.D
 Acq: 4 Aug 2017 15:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 10106
 Ion Ratio Lower Upper
 165 100
 63 4.7 25.4 38.0#
 89 4.3 46.4 69.6#
 182 0.0 1.8 2.6#

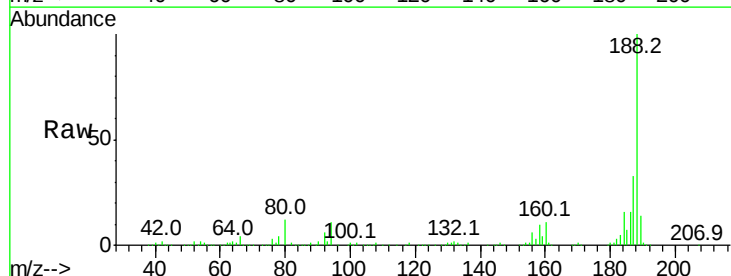


Abundance Ion 165.00 (164.70 to 165.70): E

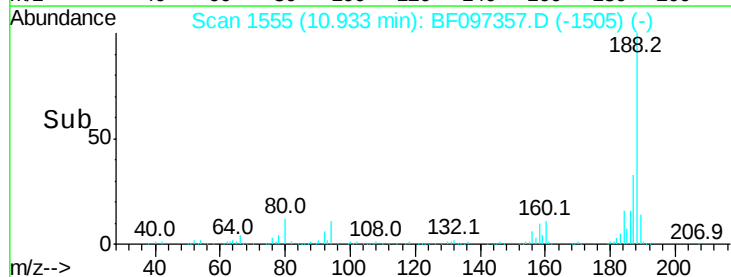
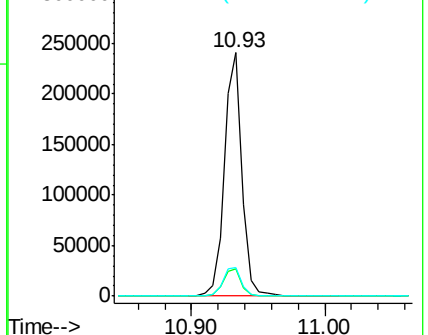


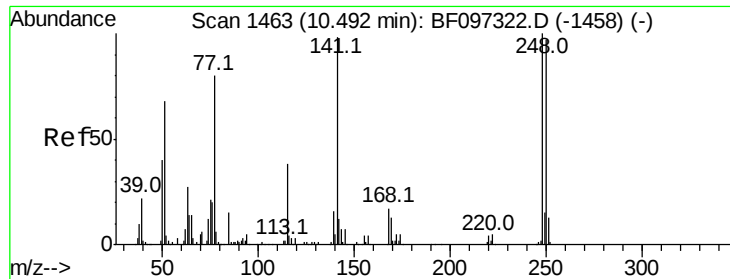
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.93 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF097357.D
 Acq: 4 Aug 2017 15:50

Tgt Ion:188 Resp: 222364
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.4 14.2
 80 11.7 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

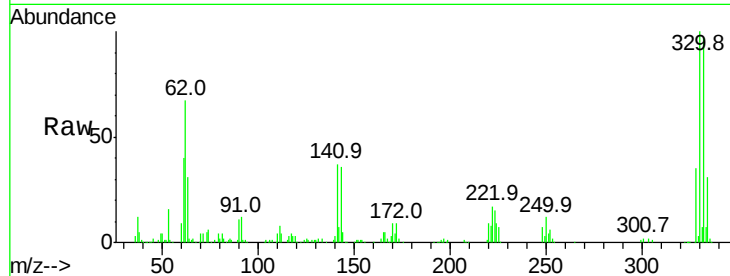




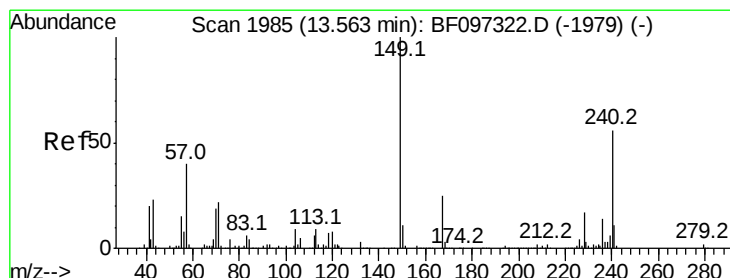
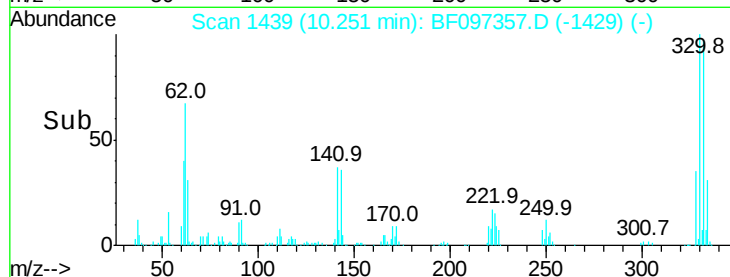
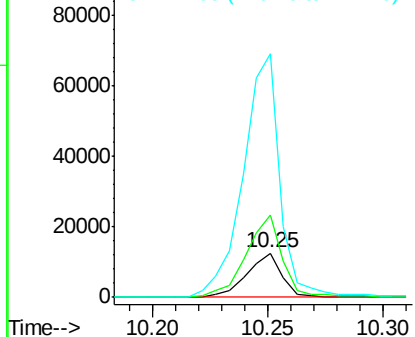
#66
 4-Bromophenyl-phenylether
 Concen: 5.930 ng
 RT: 10.25 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF097357.D
 Acq: 4 Aug 2017 15:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13160
 Ion Ratio Lower Upper
 248 100
 250 186.9 76.8 115.2#
 141 552.0 68.6 103.0#

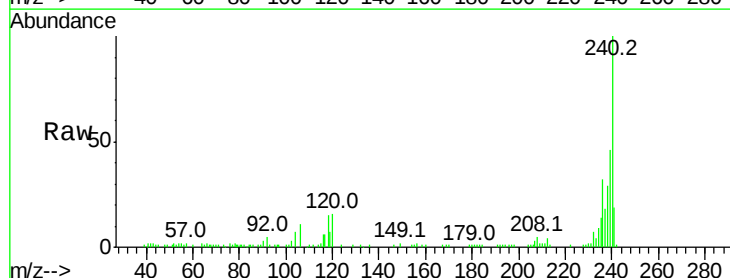


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

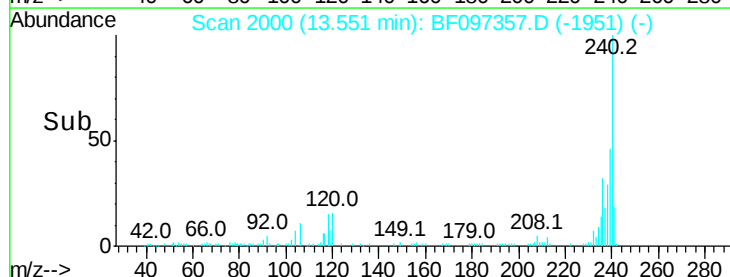
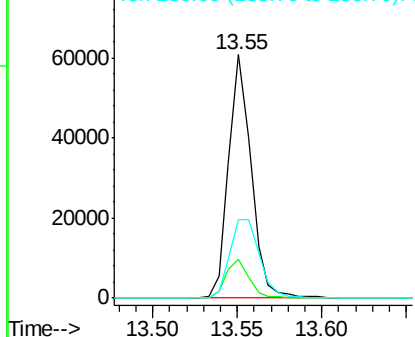


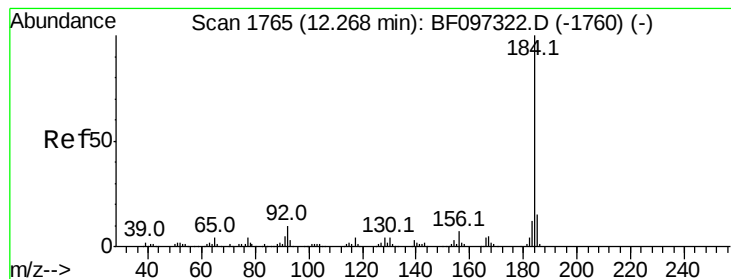
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.55 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF097357.D
 Acq: 4 Aug 2017 15:50

Tgt Ion:240 Resp: 56631
 Ion Ratio Lower Upper
 240 100
 120 15.8 5.8 8.8#
 236 32.1 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





#76

Benzidine

Concen: 3.862 ng

RT: 12.52 min Scan# 1824

Delta R.T. 0.25 min

Lab File: BF097357.D

Acq: 4 Aug 2017 15:50

Instrument :

BNA_F

ClientSampled :

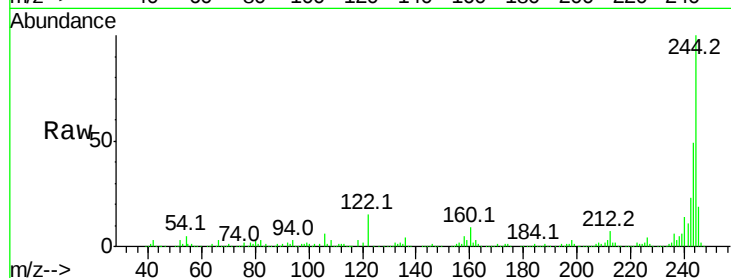
Tot Ion:184 Resp: 8115

Ion Ratio Lower Upper

184 100

185 23.5 15.5 23.3#

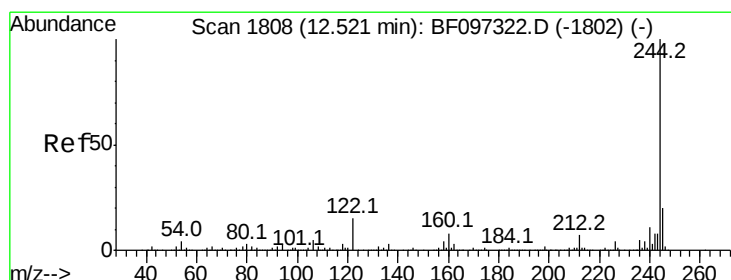
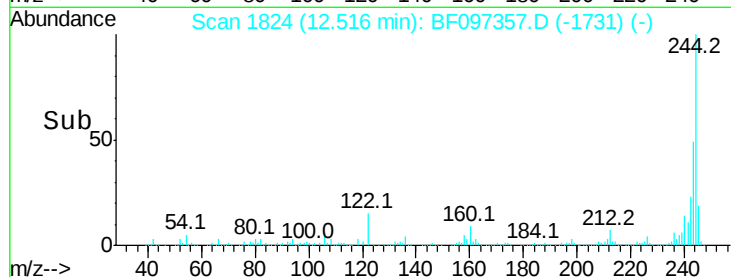
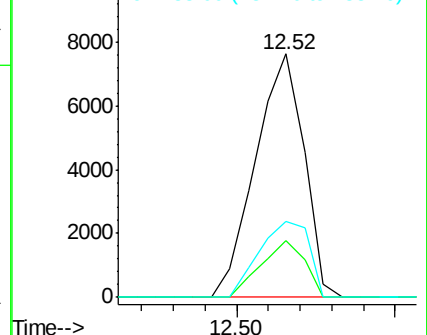
183 31.3 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 207.009 ng

RT: 12.52 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF097357.D

Acq: 4 Aug 2017 15:50

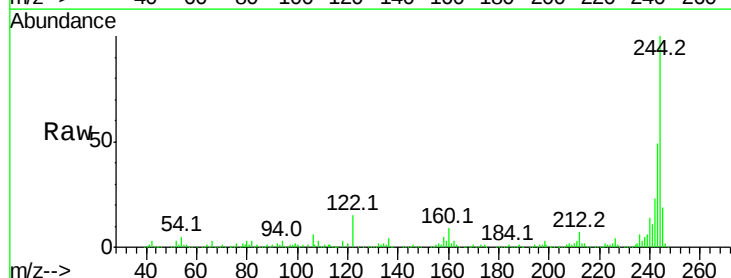
Tgt Ion:244 Resp: 574986

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

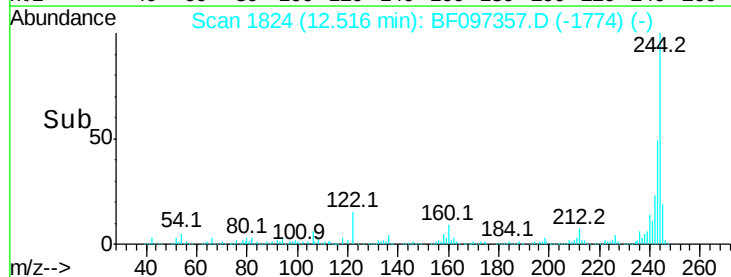
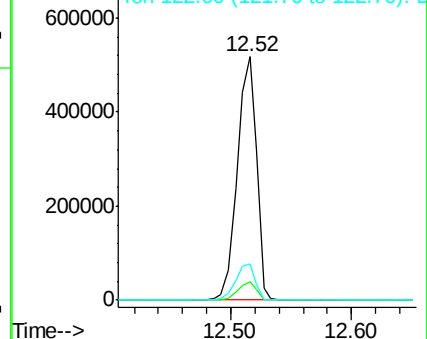
122 14.8 10.3 15.5

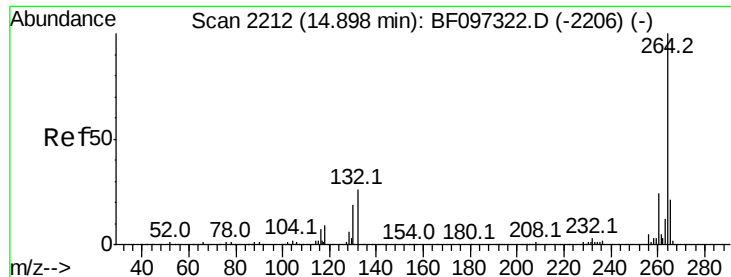


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

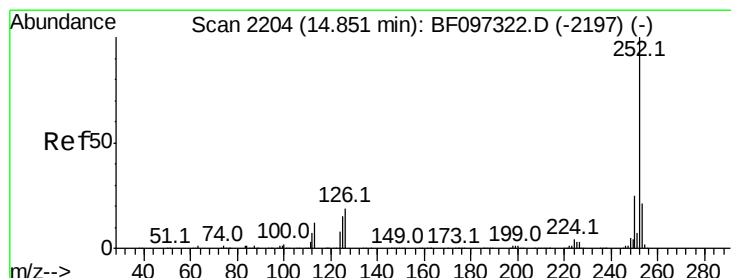
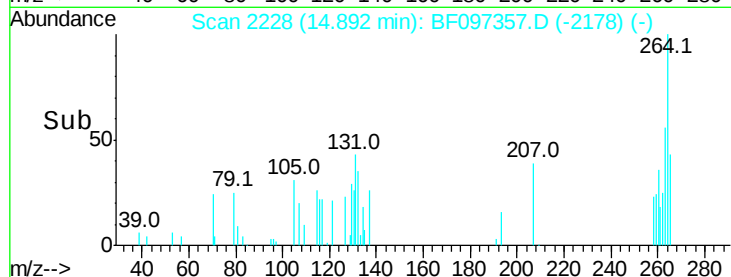
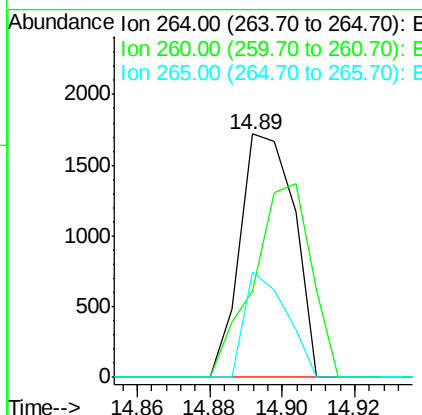
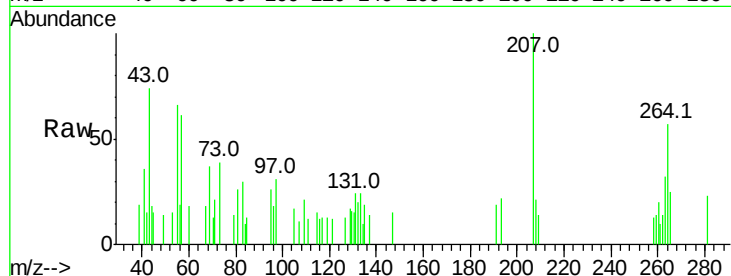




#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.89 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BF097357.D
Acq: 4 Aug 2017 15:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 1779
Ion Ratio Lower Upper
264 100
260 35.6 19.5 29.3#
265 43.5 17.2 25.8#



#89
Benzo(a)pyrene
Concen: 11.832 ng
RT: 14.91 min Scan# 2231
Delta R.T. 0.06 min
Lab File: BF097357.D
Acq: 4 Aug 2017 15:50

Tgt Ion:252 Resp: 1158
Ion Ratio Lower Upper
252 100
253 190.3 17.5 26.3#
125 129.3 11.0 16.4#

