

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097364.D
 Acq On : 4 Aug 2017 19:10
 Operator : SJ/JU
 Sample : I4573-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WW

Quant Time: Aug 04 22:59:57 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 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.43	152	111200	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	362988	20.00	ng	-0.06
38) Acenaphthene-d10	9.47	164	148708	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	268804	20.00	ng	-0.05
75) Chrysene-d12	13.60	240	46028	20.00	ng	-0.03
86) Perylene-d12	14.90	264	205939	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.08	112	7391	1.00	ng	-0.02
7) Phenol-d6	6.15	99	27933	3.32	ng	-0.02
23) Nitrobenzene-d5	7.01	82	619248	100.08	ng	-0.06
41) 2,4,6-Tribromophenol	10.28	330	3050	2.60	ng	-0.04
44) 2-Fluorobiphenyl	8.80	172	878926	100.31	ng	-0.07
78) Terphenyl-d14	12.54	244	85998	38.09	ng	-0.05

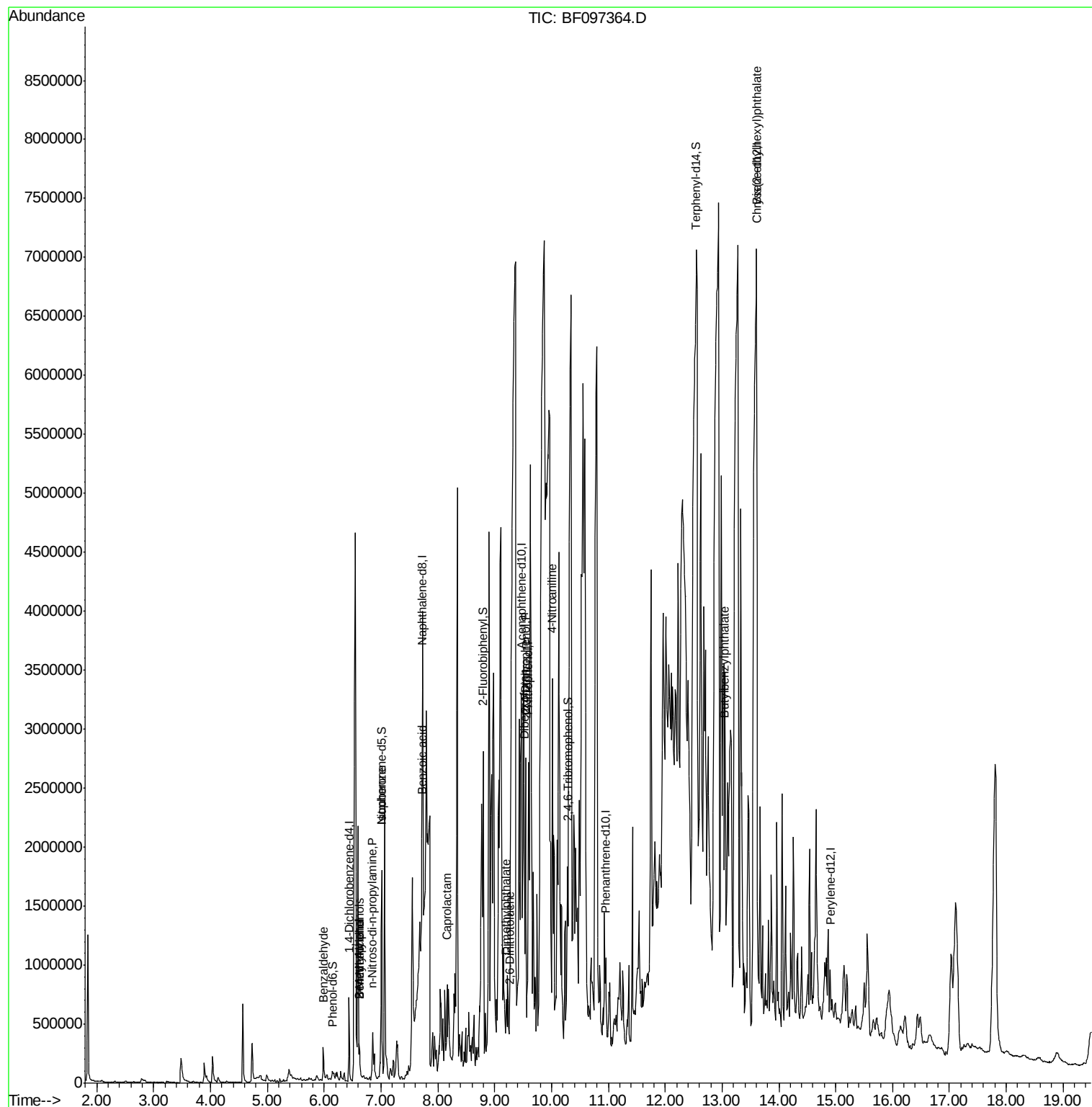
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	5.98	77	75060	15.06	ng	97
15) Benzyl Alcohol	6.62	79	67795	12.72	ng	94
17) 2-Methylphenol	6.62	107	32581	5.35	ng	# 10
19) n-Nitroso-di-n-propylamine	6.85	70	35366	6.38	ng	# 32
20) 3+4-Methylphenols	6.62	107	32580	4.10	ng	# 36
25) Isophorone	7.01	82	601908	49.67	ng	# 67
32) Benzoic acid	7.71	122	1541641	358.98	ng	96
35) Caprolactam	8.16	113	5794	3.65	ng	# 1
49) Dimethylphthalate	9.20	163	117369	10.39	ng	98
50) 2,6-Dinitrotoluene	9.25	165	7211	3.01	ng	# 31
53) 2,4-Dinitrophenol	9.55	184	2887	2.65	ng	# 23
54) Dibenzofuran	9.52	168	31872	2.83	ng	# 68
55) 4-Nitrophenol	9.60	139	6025	3.41	ng	92
61) 4-Nitroaniline	10.02	138	6998	2.48	ng	# 40
79) Butylbenzylphthalate	13.04	149	8075	4.21	ng	# 65
83) Bis(2-ethylhexyl)phthalate	13.62	149	20441	8.17	ng	# 98

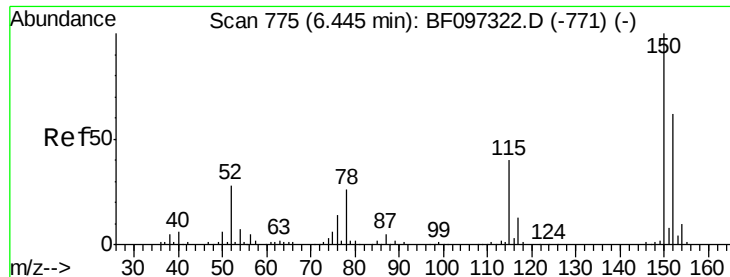
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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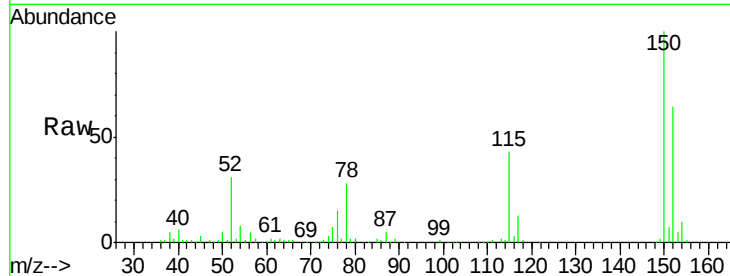


#1

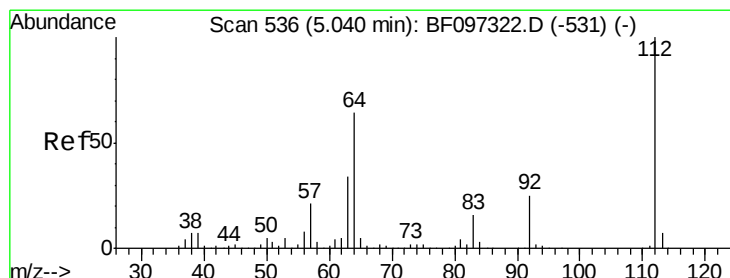
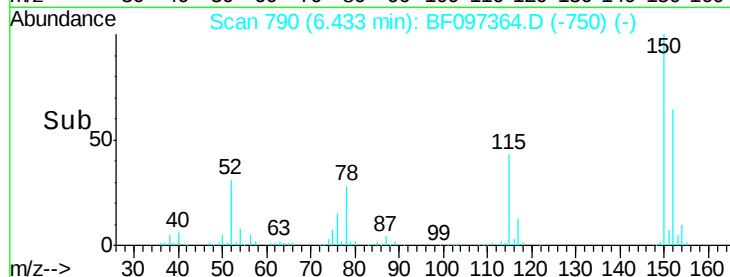
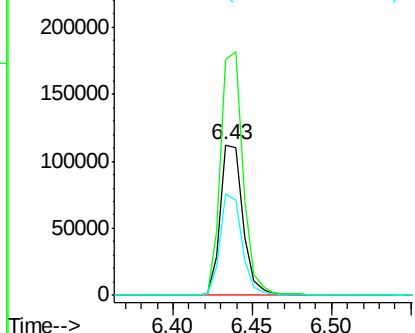
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.43 min Scan# 790
Delta R.T. -0.06 min
Lab File: BF097364.D
Acq: 4 Aug 2017 19:10

Instrument :
BNA_F
ClientSampleId :
EFF-WW

Tot Ion:152 Resp: 111200
Ion Ratio Lower Upper
152 100
150 156.9 126.2 189.2
115 67.1 52.2 78.2



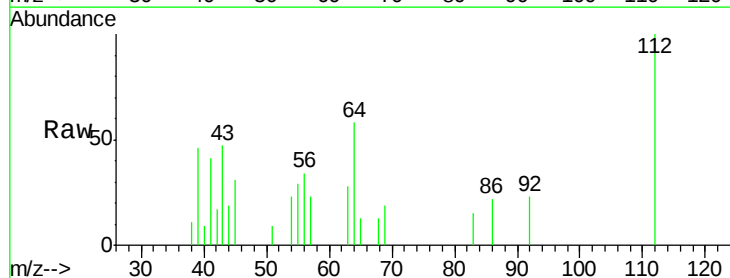
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



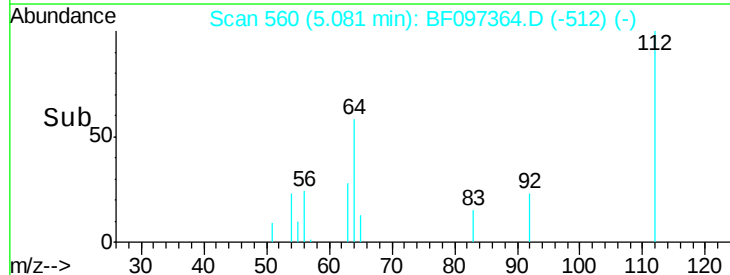
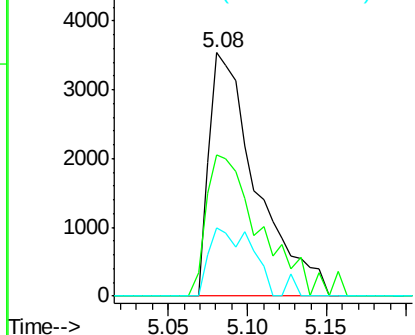
#5

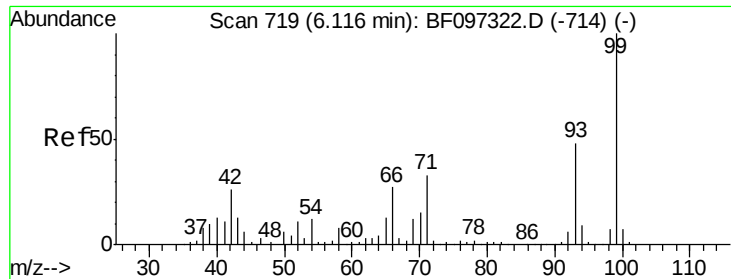
2-Fluorophenol
Concen: 1.00 ng
RT: 5.08 min Scan# 560
Delta R.T. -0.02 min
Lab File: BF097364.D
Acq: 4 Aug 2017 19:10

Tgt Ion:112 Resp: 7391
Ion Ratio Lower Upper
112 100
64 57.9 46.0 69.0
63 27.9 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: 3.32 ng

RT: 6.15 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF097364.D

Acq: 4 Aug 2017 19:10

Instrument :

BNA_F

ClientSampleId :

EFF-WW

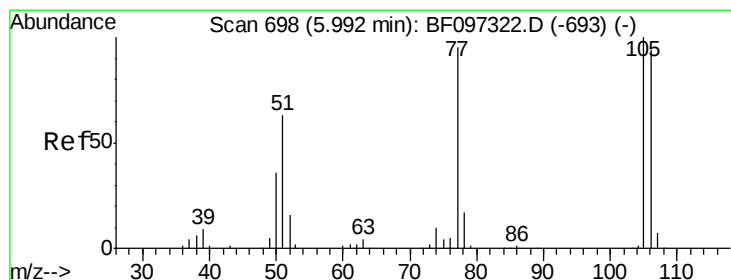
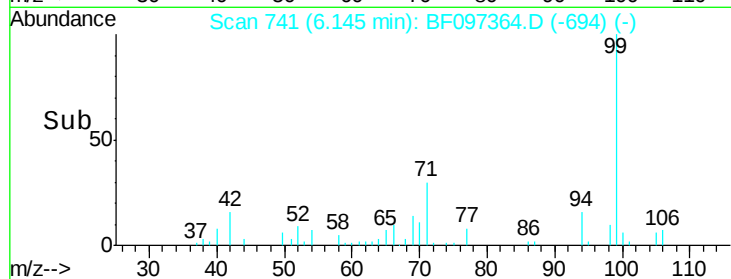
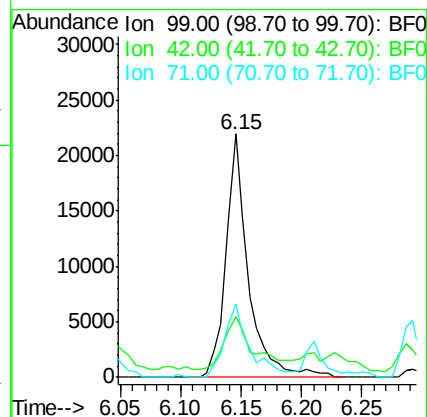
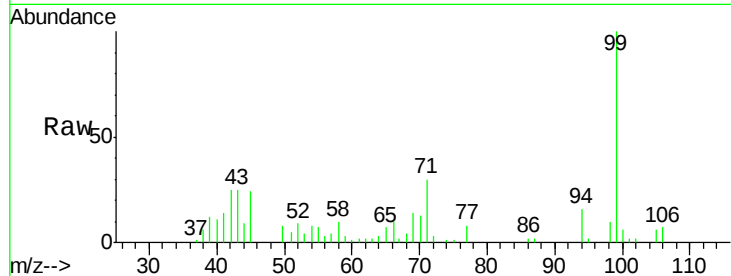
Tot Ion: 99 Resp: 27933

Ion Ratio Lower Upper

99 100

42 24.7 13.5 20.3#

71 30.1 24.5 36.7



#9

Benzaldehyde

Concen: 15.06 ng

RT: 5.98 min Scan# 713

Delta R.T. -0.06 min

Lab File: BF097364.D

Acq: 4 Aug 2017 19:10

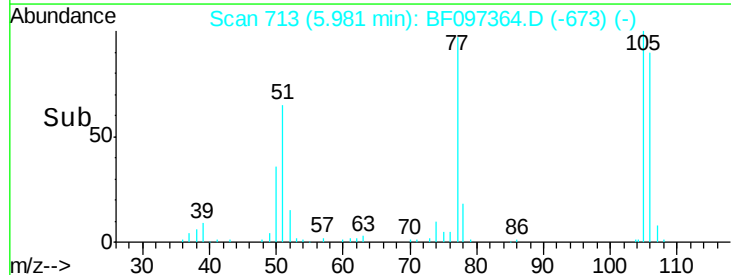
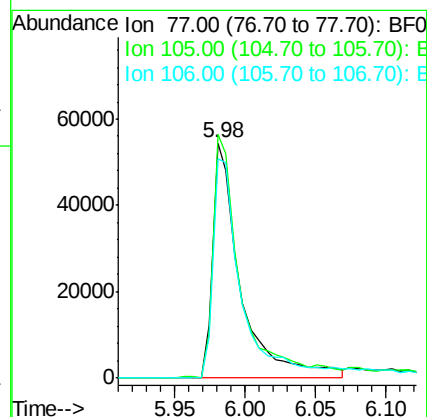
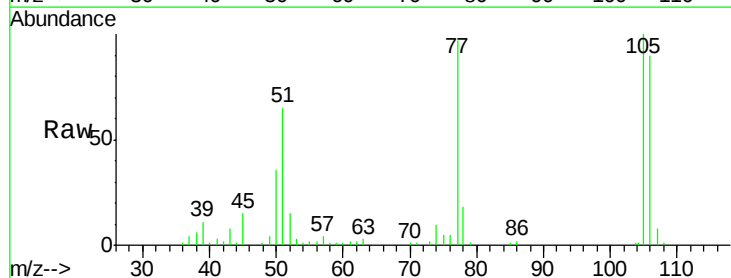
Tgt Ion: 77 Resp: 75060

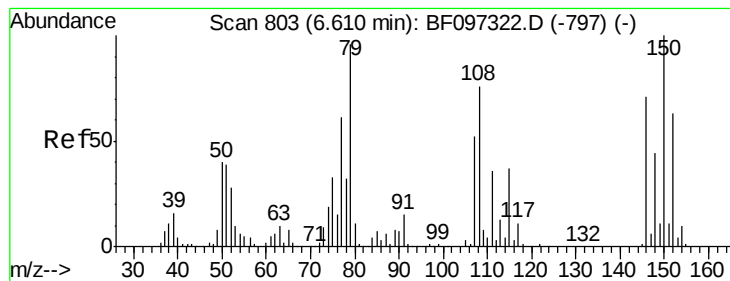
Ion Ratio Lower Upper

77 100

105 103.6 83.8 123.8

106 93.5 79.1 119.1





#15

Benzyl Alcohol

Concen: 12.72 ng

RT: 6.62 min Scan# 821

Delta R.T. -0.05 min

Lab File: BF097364.D

Acq: 4 Aug 2017 19:10

Instrument :

BNA_F

ClientSampleId :

EFF-WW

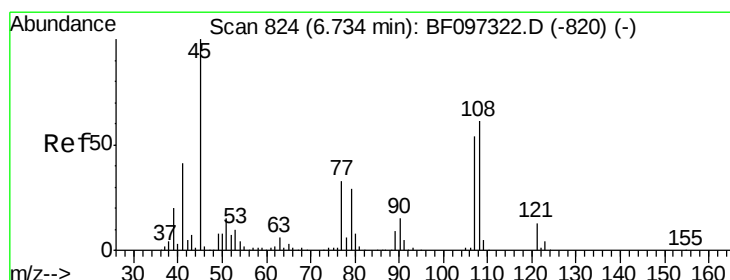
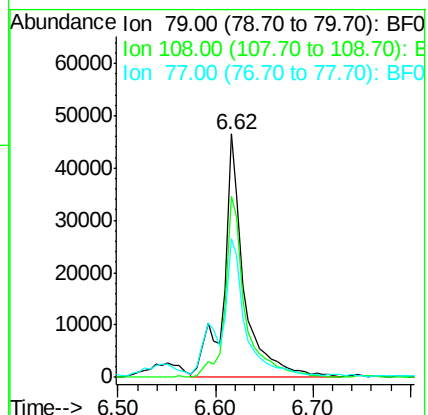
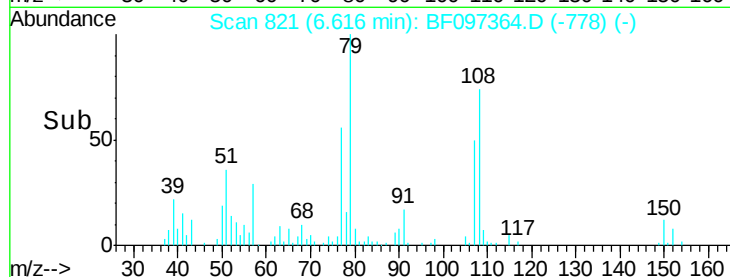
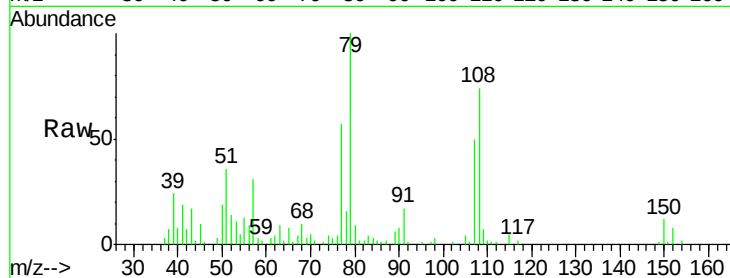
Tot Ion: 79 Resp: 67795

Ion Ratio Lower Upper

79 100

108 74.5 63.4 95.0

77 57.0 49.2 73.8



#17

2-Methylphenol

Concen: 5.35 ng

RT: 6.62 min Scan# 821

Delta R.T. -0.17 min

Lab File: BF097364.D

Acq: 4 Aug 2017 19:10

Tgt Ion: 107 Resp: 32581

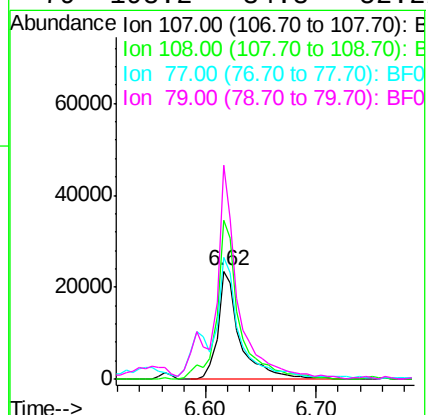
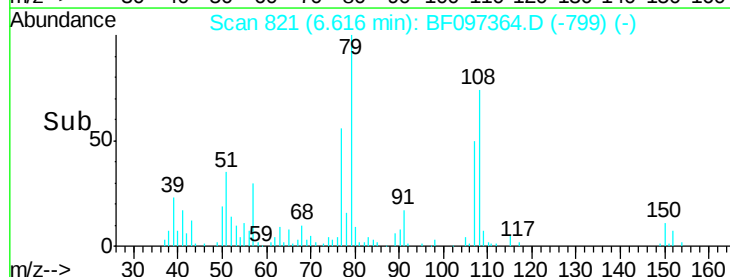
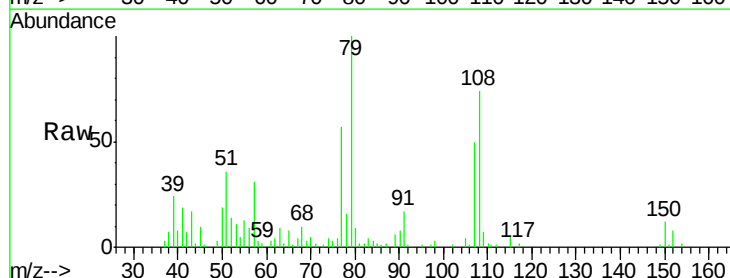
Ion Ratio Lower Upper

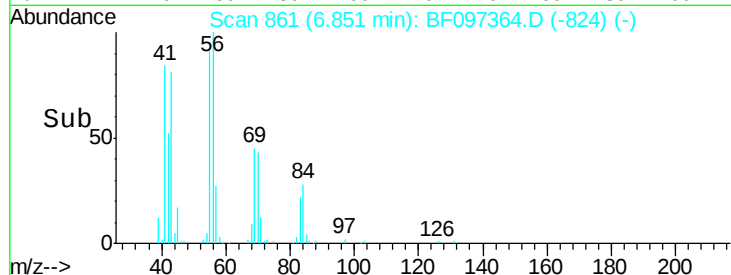
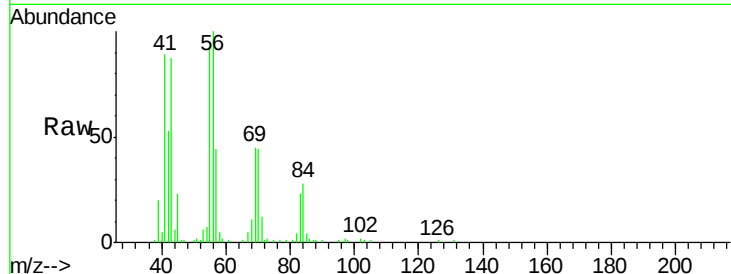
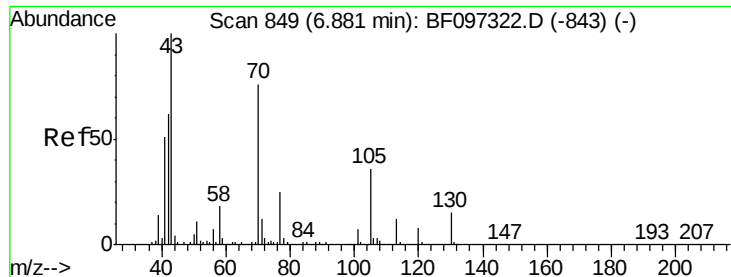
107 100

108 147.6 93.4 140.0#

77 113.0 35.8 53.6#

79 198.2 34.8 52.2#

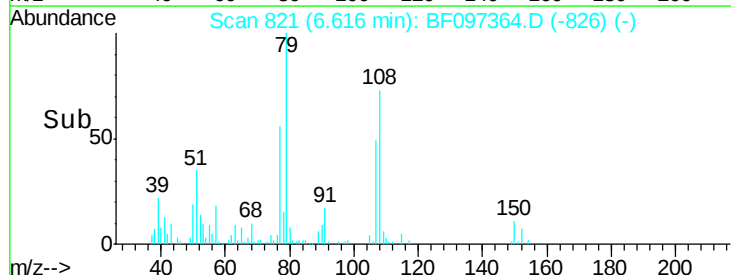
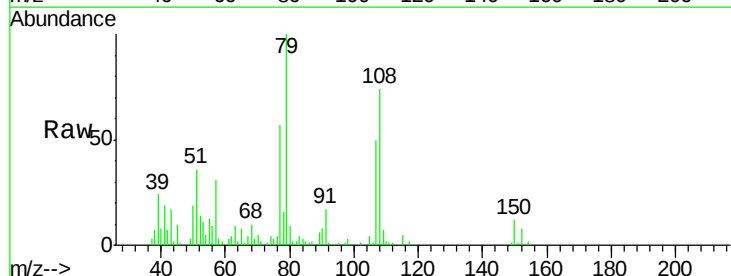
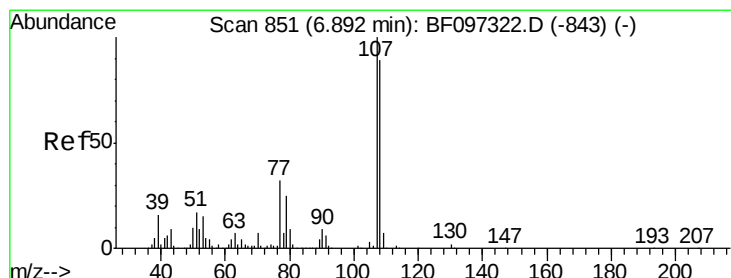
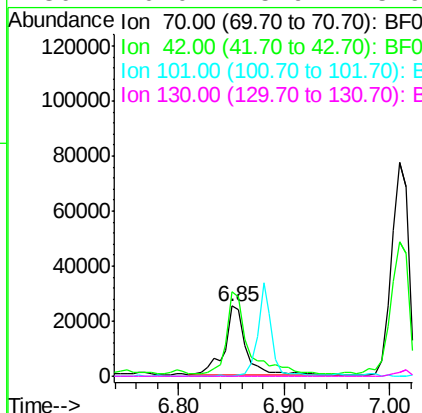




#19
n-Nitroso-di-n-propylamine
Concen: 6.38 ng
RT: 6.85 min Scan# 861
Delta R.T. -0.08 min
Lab File: BF097364.D
Acq: 4 Aug 2017 19:10

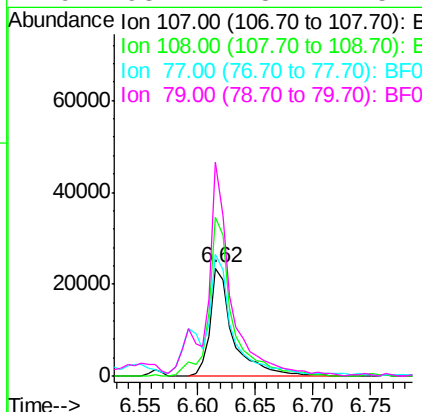
Instrument :
BNA_F
ClientSampleId :
EFF-WW

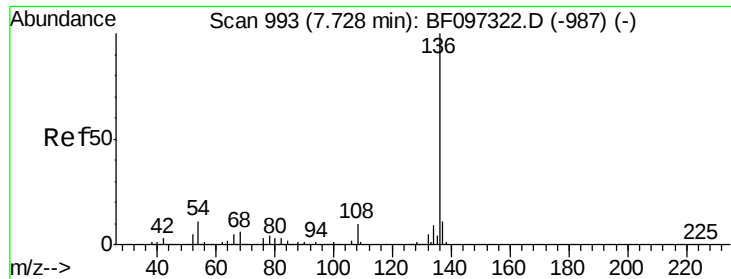
Tot Ion: 70 Resp: 35366
Ion Ratio Lower Upper
70 100
42 120.7 47.2 70.8#
101 0.0 7.2 10.8#
130 0.0 15.9 23.9#



#20
3+4-Methylphenols
Concen: 4.10 ng
RT: 6.62 min Scan# 821
Delta R.T. -0.33 min
Lab File: BF097364.D
Acq: 4 Aug 2017 19:10

Tgt Ion:107 Resp: 32580
Ion Ratio Lower Upper
107 100
108 147.6 71.0 111.0#
77 113.0 90.5 130.5
79 198.2 8.4 48.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.72 min Scan# 1009

Delta R.T. -0.06 min

Lab File: BF097364.D

Acq: 4 Aug 2017 19:10

Instrument :

BNA_F

ClientSampleId :

EFF-WW

Tot Ion:136 Resp: 362988

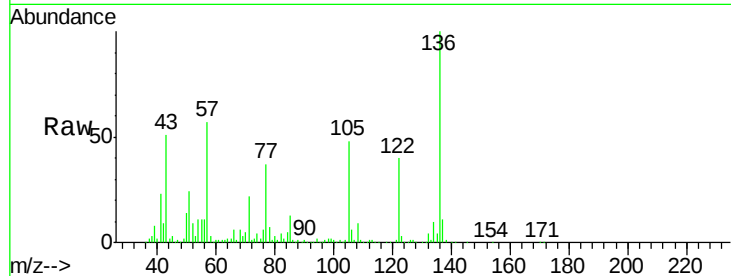
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 11.4 4.9 7.3#

68 5.9 4.1 6.1

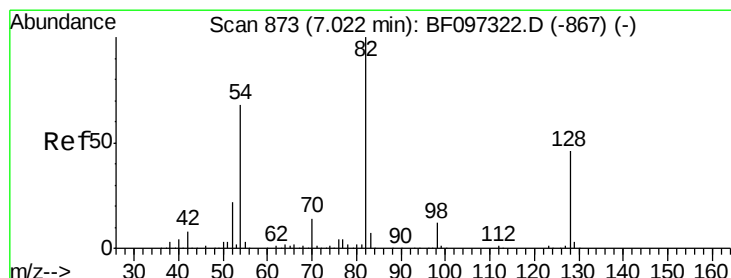
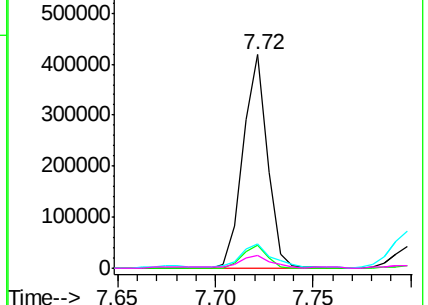
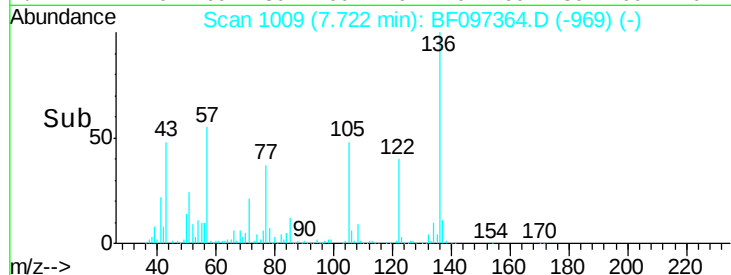


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.08 ng

RT: 7.01 min Scan# 888

Delta R.T. -0.06 min

Lab File: BF097364.D

Acq: 4 Aug 2017 19:10

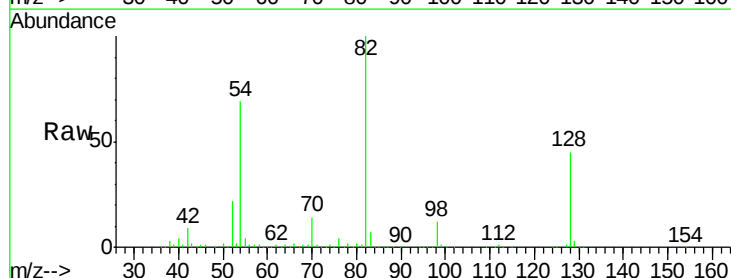
Tgt Ion: 82 Resp: 619248

Ion Ratio Lower Upper

82 100

128 44.7 34.0 51.0

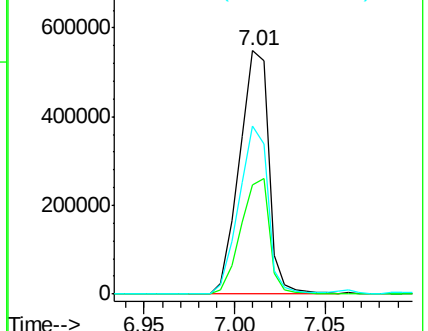
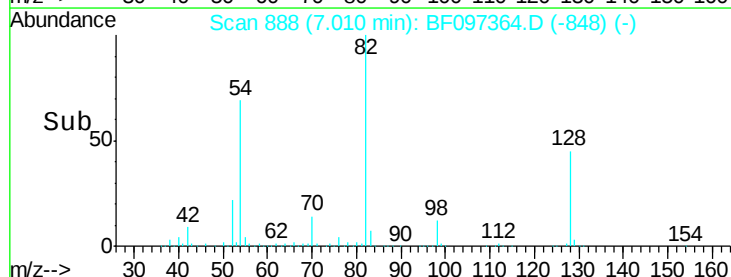
54 69.1 42.2 63.2#

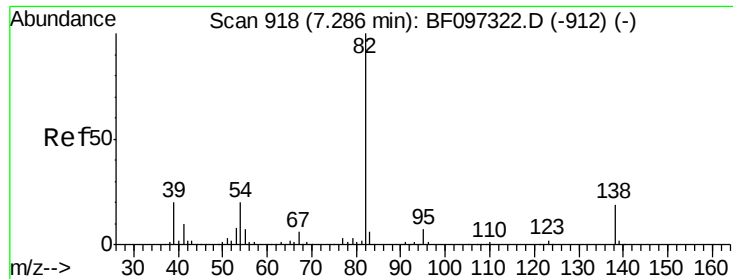


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

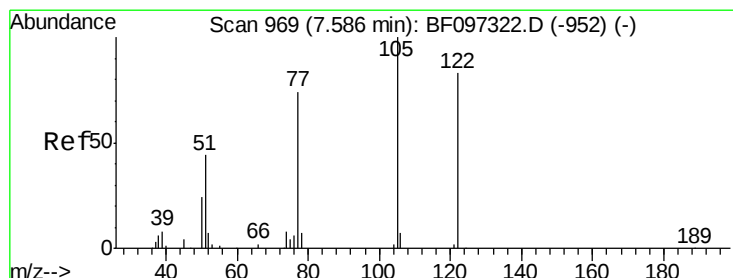
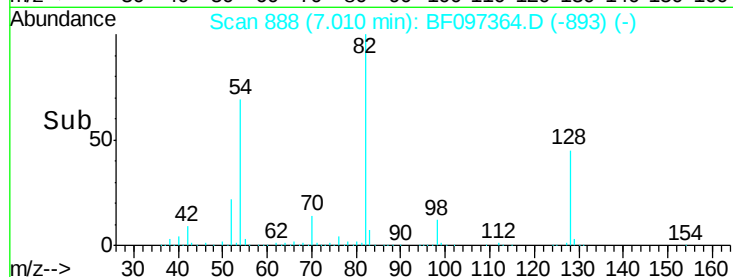
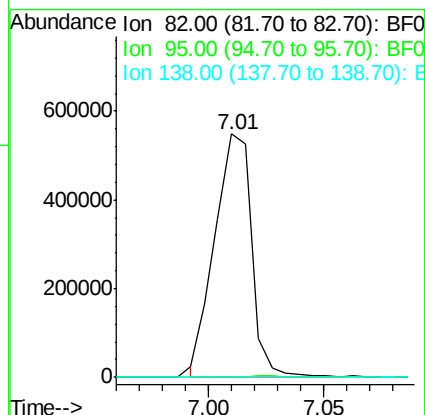
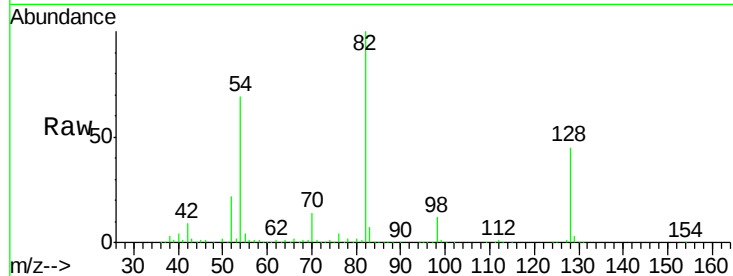




#25
Isophorone
Concen: 49.67 ng
RT: 7.01 min Scan# 888
Delta R.T. -0.33 min
Lab File: BF097364.D
Acq: 4 Aug 2017 19:10

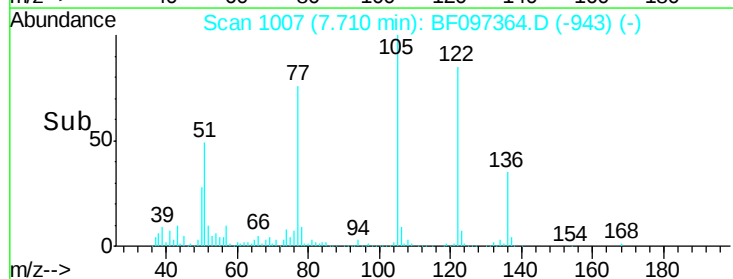
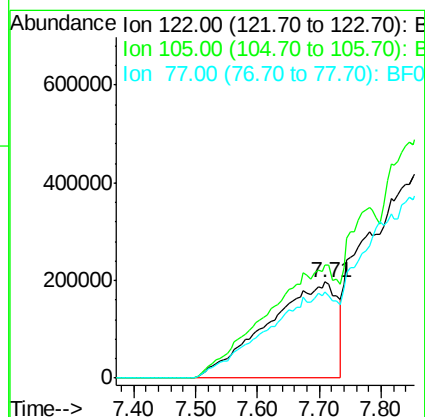
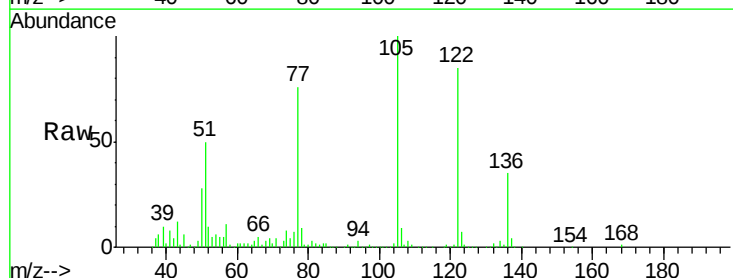
Instrument :
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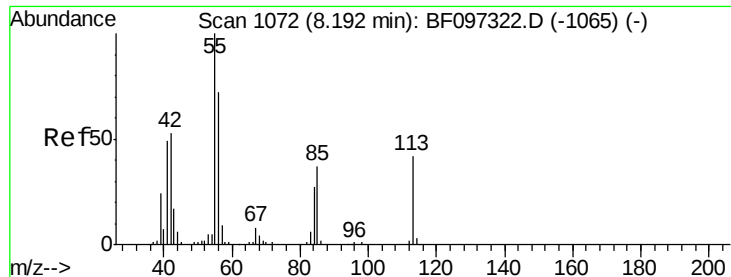
Tot Ion: 82 Resp: 601908
Ion Ratio Lower Upper
82 100
95 0.1 5.3 7.9#
138 0.0 13.1 19.7#



#32
Benzoic acid
Concen: 358.98 ng
RT: 7.71 min Scan# 1007
Delta R.T. 0.08 min
Lab File: BF097364.D
Acq: 4 Aug 2017 19:10

Tgt Ion:122 Resp: 1541641
Ion Ratio Lower Upper
122 100
105 118.3 103.3 143.3
77 90.5 73.7 113.7





#35

Caprolactam

Concen: 3.65 ng

RT: 8.16 min Scan# 1084

Delta R.T. -0.09 min

Lab File: BF097364.D

Acq: 4 Aug 2017 19:10

Instrument :

BNA_F

ClientSampleId :

EFF-WW

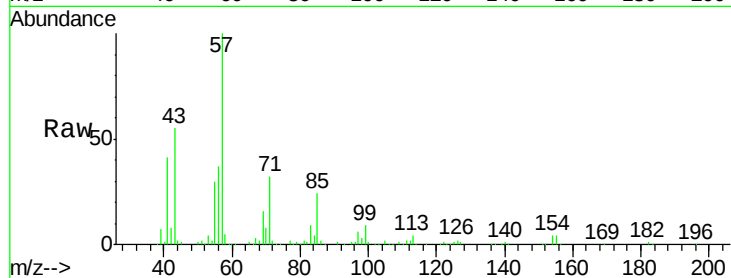
Tot Ion:113 Resp: 5794

Ion Ratio Lower Upper

113 100

55 794.9 150.2 190.2#

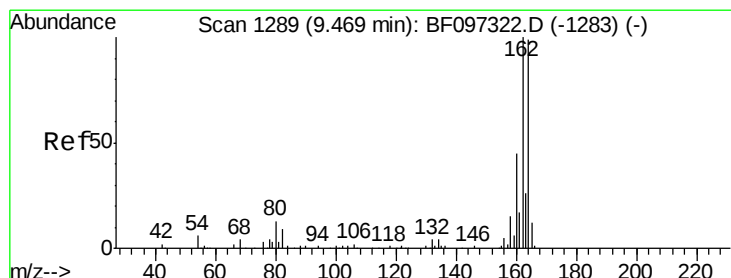
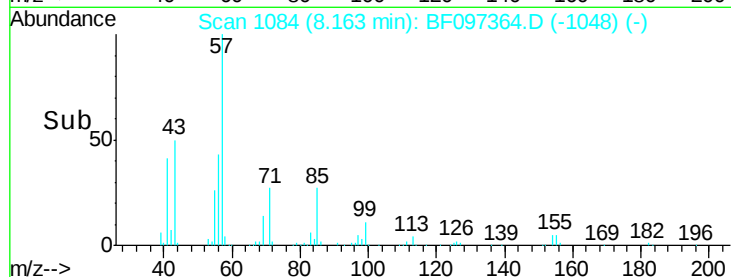
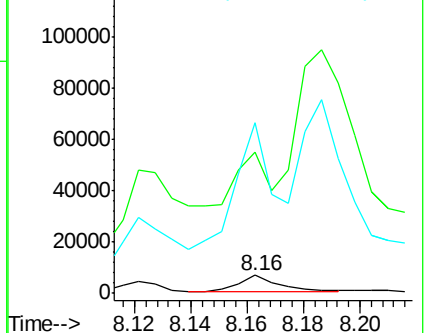
56 956.7 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.47 min Scan# 1306

Delta R.T. -0.06 min

Lab File: BF097364.D

Acq: 4 Aug 2017 19:10

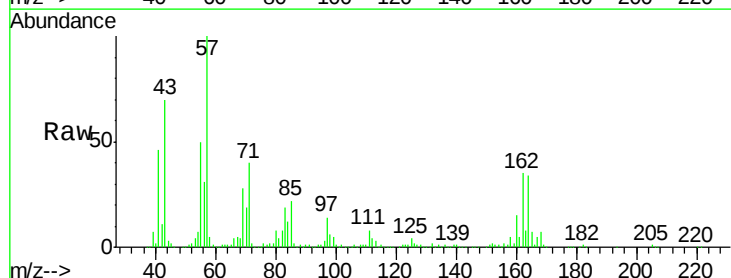
Tgt Ion:164 Resp: 148708

Ion Ratio Lower Upper

164 100

162 102.4 82.6 123.8

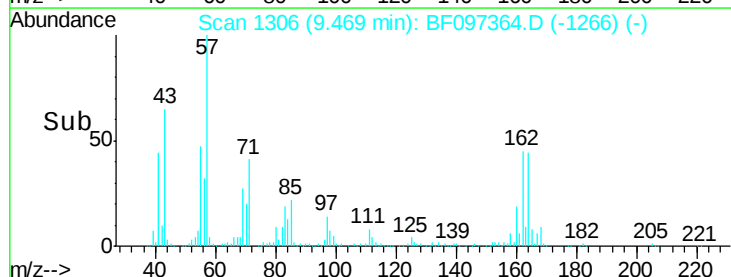
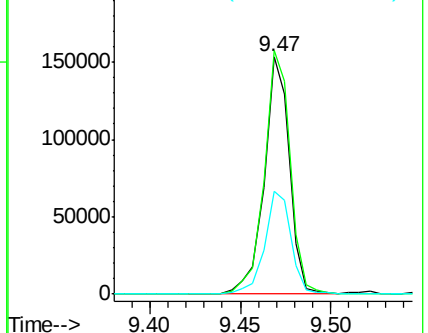
160 43.0 36.2 54.2

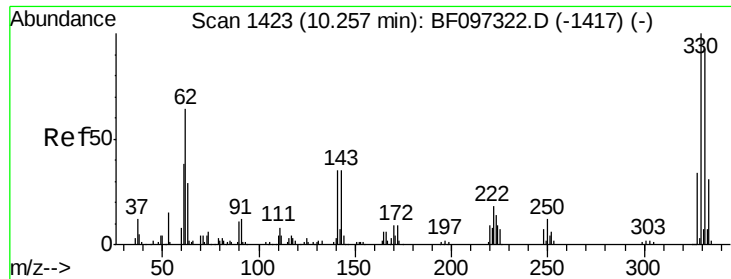


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

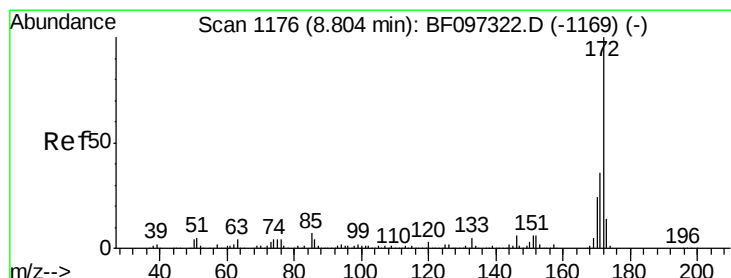
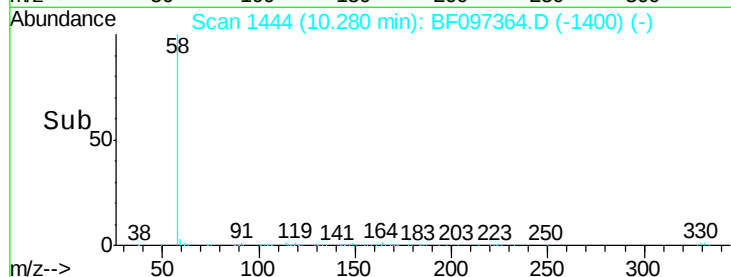
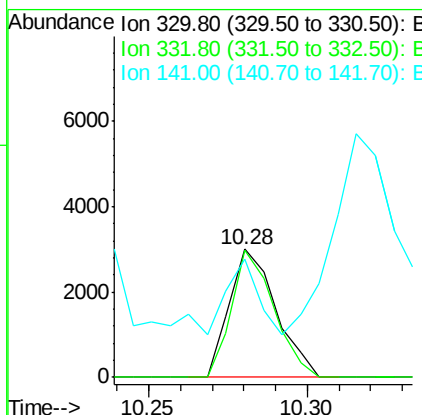
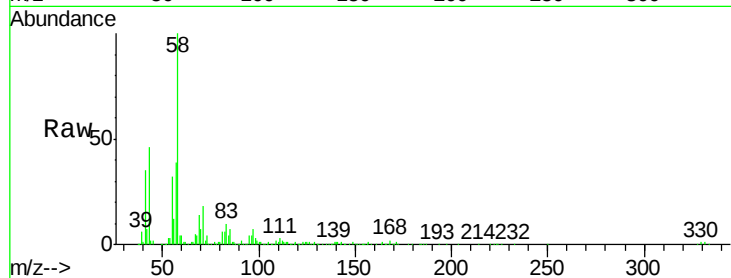




#41
 2,4,6-Tribromophenol
 Concen: 2.60 ng
 RT: 10.28 min Scan# 1444
 Delta R.T. -0.04 min
 Lab File: BF097364.D
 Acq: 4 Aug 2017 19:10

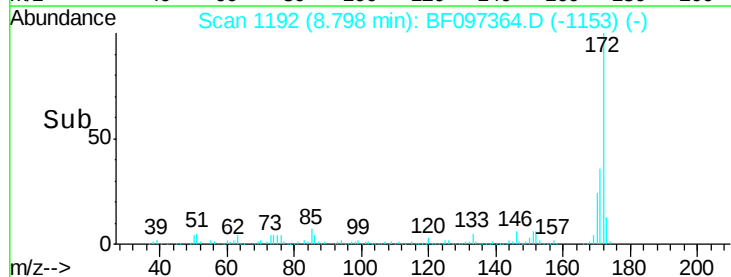
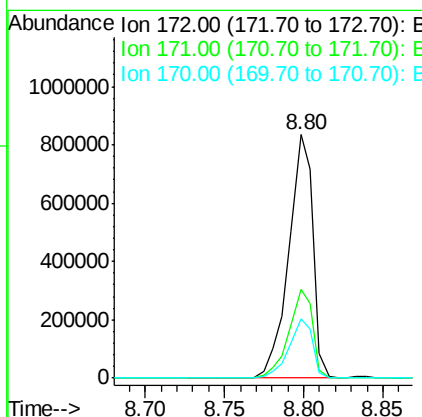
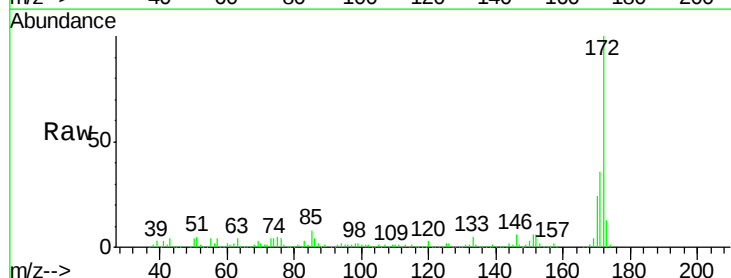
Instrument :
 BNA_F
 ClientSampleId :
 EFF-WW

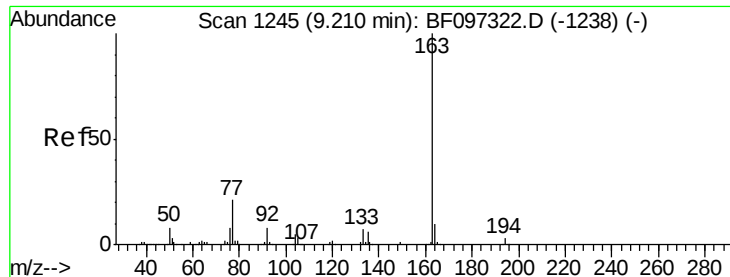
Tot Ion:330 Resp: 3050
 Ion Ratio Lower Upper
 330 100
 332 90.2 76.6 115.0
 141 39.8 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 100.31 ng
 RT: 8.80 min Scan# 1192
 Delta R.T. -0.07 min
 Lab File: BF097364.D
 Acq: 4 Aug 2017 19:10

Tgt Ion:172 Resp: 878926
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 24.2 19.8 29.8

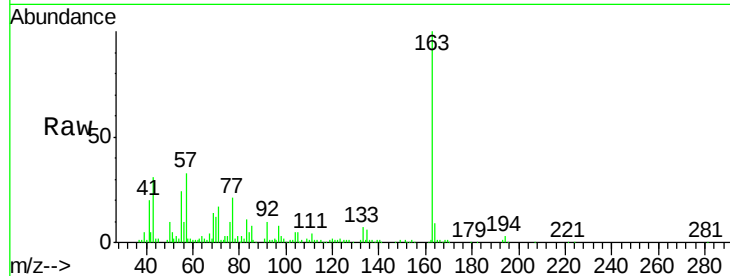




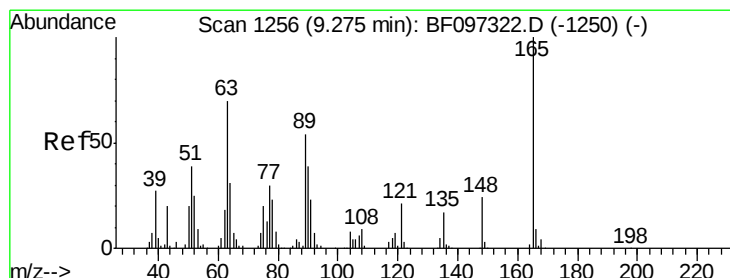
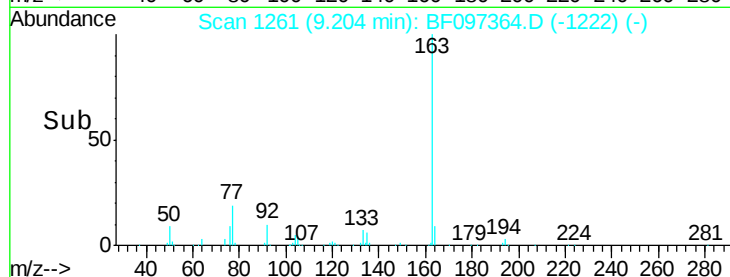
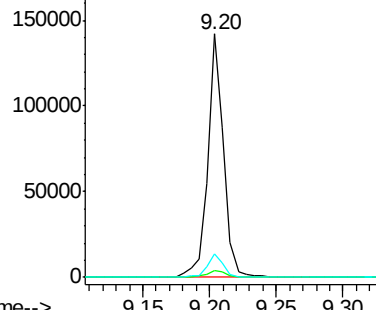
#49
Dimethylphthalate
Concen: 10.39 ng
RT: 9.20 min Scan# 1261
Delta R.T. -0.07 min
Lab File: BF097364.D
Acq: 4 Aug 2017 19:10

Instrument :
BNA_F
ClientSampleId :
EFF-WW

Tot Ion:163 Resp: 117369
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 9.5 8.4 12.6

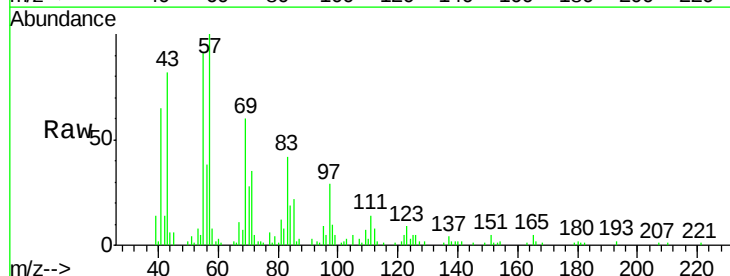


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

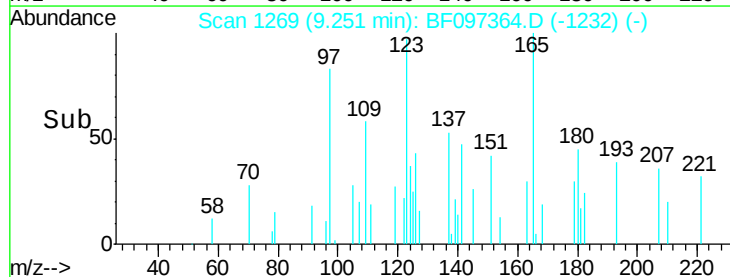
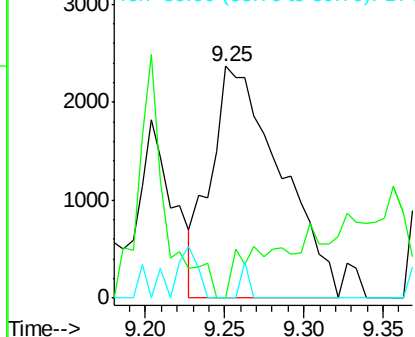


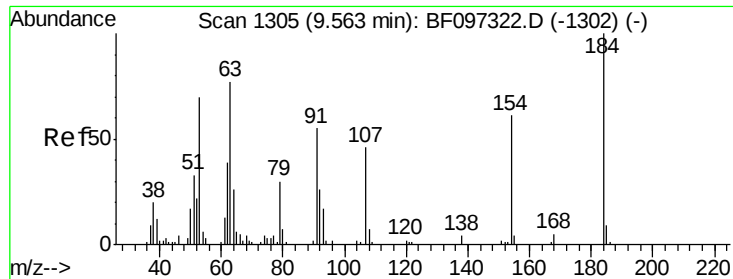
#50
2,6-Dinitrotoluene
Concen: 3.01 ng
RT: 9.25 min Scan# 1269
Delta R.T. -0.08 min
Lab File: BF097364.D
Acq: 4 Aug 2017 19:10

Tgt Ion:165 Resp: 7211
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 0.0 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

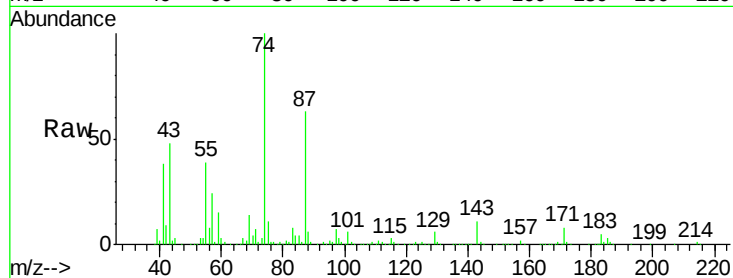




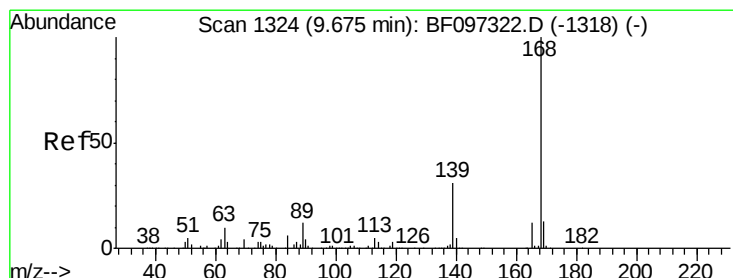
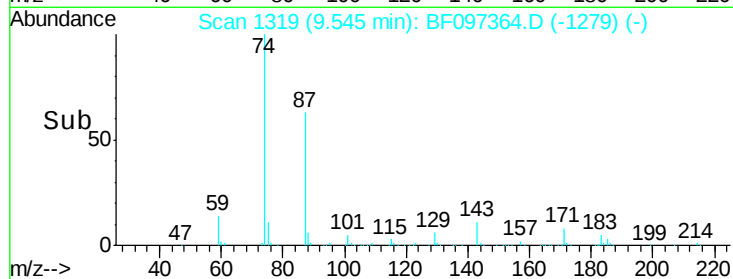
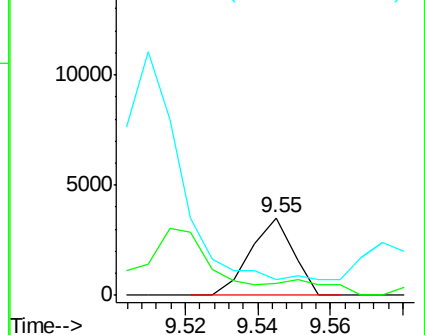
#53
 2,4-Dinitrophenol
 Concen: 2.65 ng
 RT: 9.55 min Scan# 1319
 Delta R.T. -0.06 min
 Lab File: BF097364.D
 Acq: 4 Aug 2017 19:10

Instrument :
 BNA_F
 ClientSampled :
 EFF-WW

Tot Ion:184 Resp: 2887
 Ion Ratio Lower Upper
 184 100
 63 15.4 62.7 94.1#
 154 20.9 81.1 121.7#

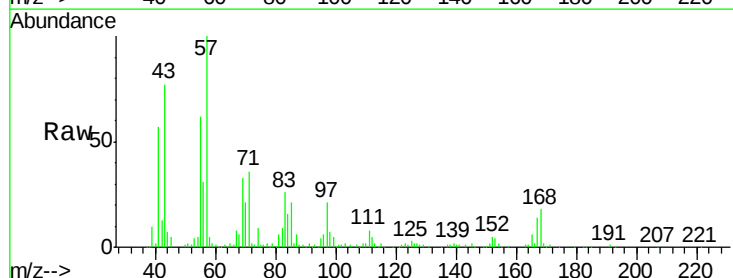


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

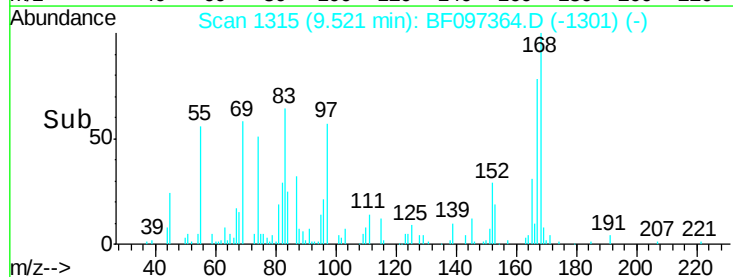
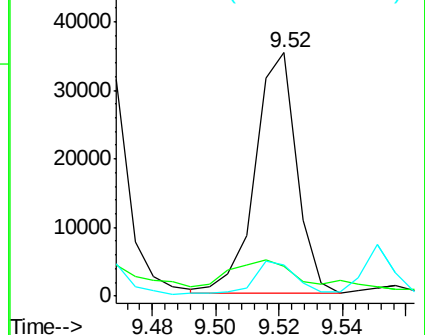


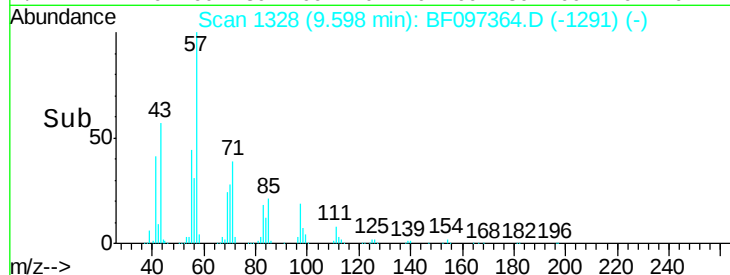
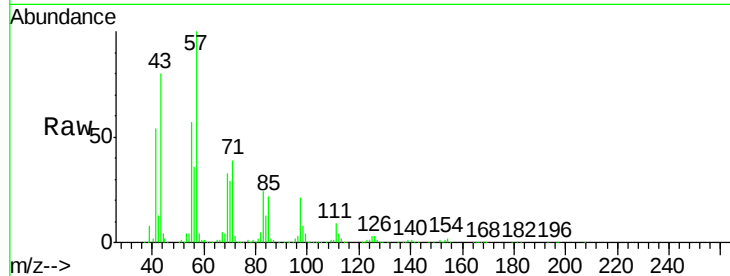
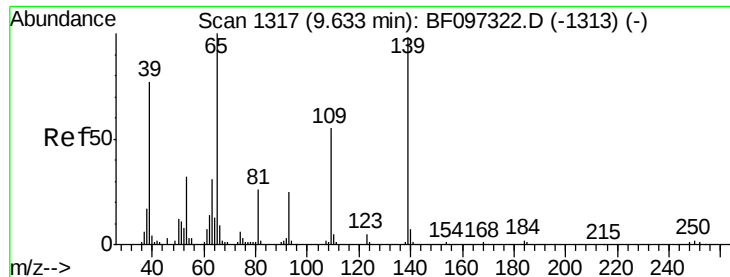
#54
 Dibenzofuran
 Concen: 2.83 ng
 RT: 9.52 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF097364.D
 Acq: 4 Aug 2017 19:10

Tgt Ion:168 Resp: 31872
 Ion Ratio Lower Upper
 168 100
 139 12.1 30.6 45.8#
 169 13.0 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E

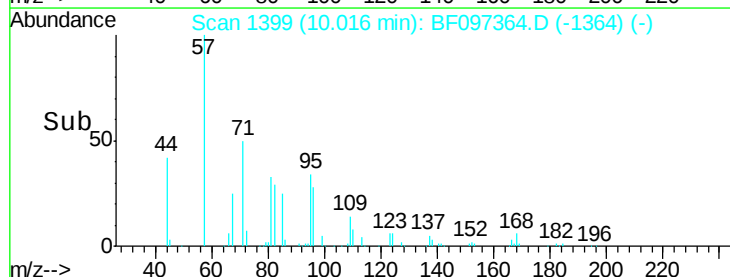
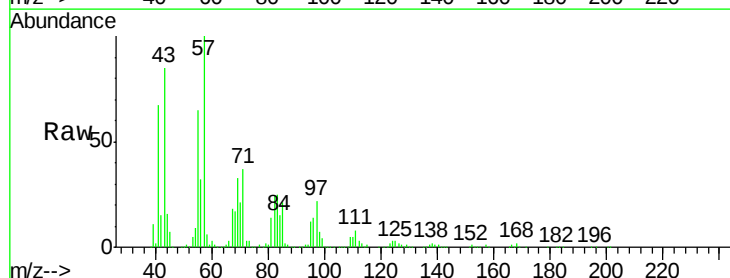
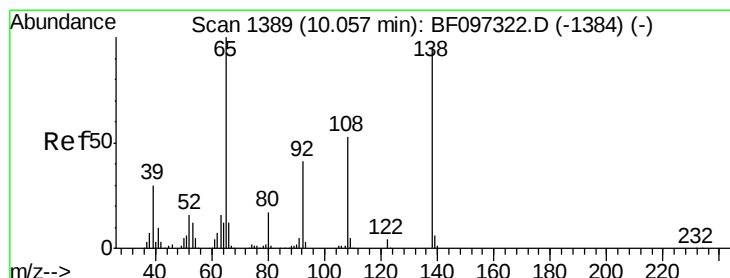
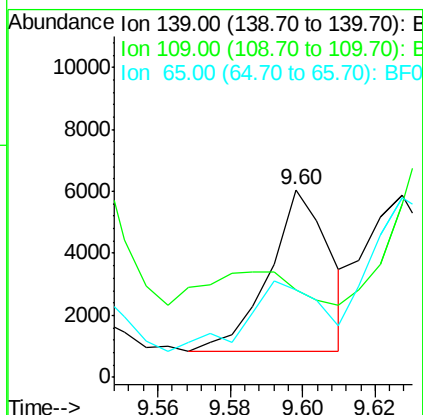




#55
4-Nitrophenol
Concen: 3.41 ng
RT: 9.60 min Scan# 1328
Delta R.T. -0.08 min
Lab File: BF097364.D
Acq: 4 Aug 2017 19:10

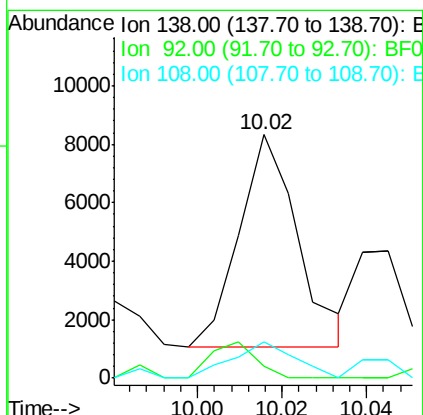
Instrument :
BNA_F
ClientSampleId :
EFF-WW

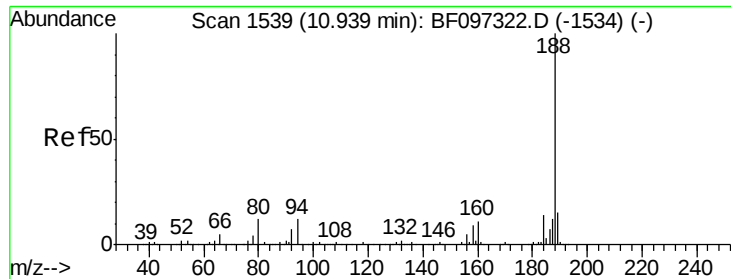
Tot Ion	Ratio	Lower	Upper
139	100		
109	47.0	34.1	74.1
65	46.9	31.4	71.4



#61
4-Nitroaniline
Concen: 2.48 ng
RT: 10.02 min Scan# 1399
Delta R.T. -0.09 min
Lab File: BF097364.D
Acq: 4 Aug 2017 19:10

Tgt Ion	Ratio	Lower	Upper
138	100		
92	4.9	21.8	61.8#
108	14.9	42.3	82.3#

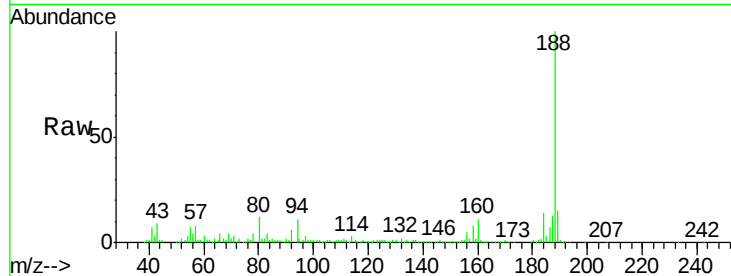




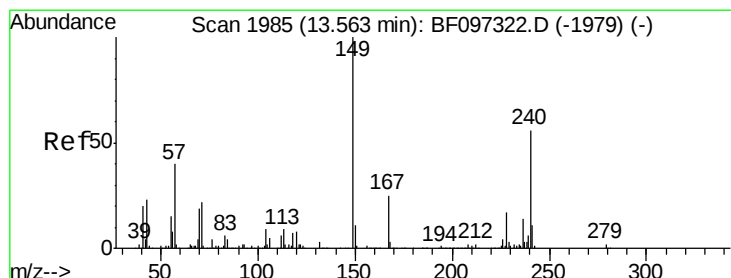
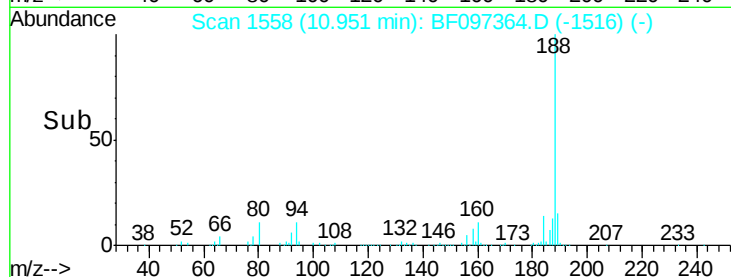
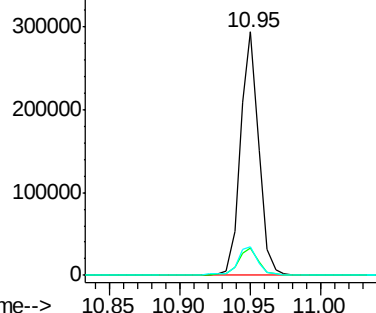
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.95 min Scan# 1558
Delta R.T. -0.05 min
Lab File: BF097364.D
Acq: 4 Aug 2017 19:10

Instrument :
BNA_F
ClientSampleId :
EFF-WW

Tot Ion:188 Resp: 268804
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 11.6 10.2 15.2

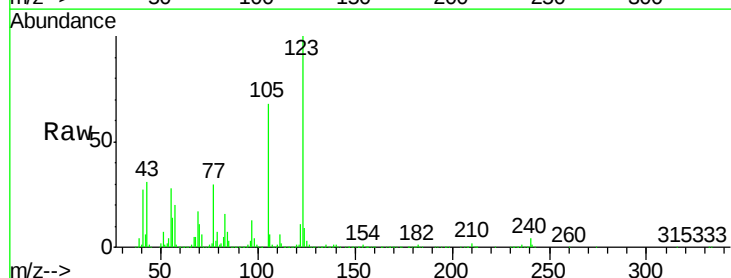


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

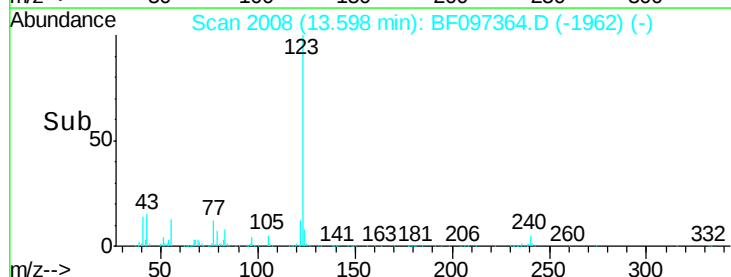
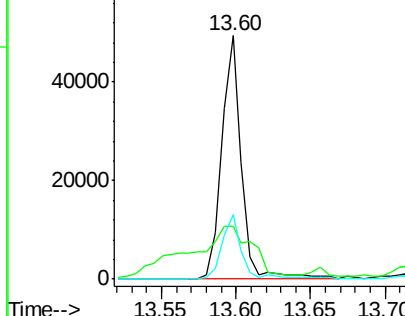


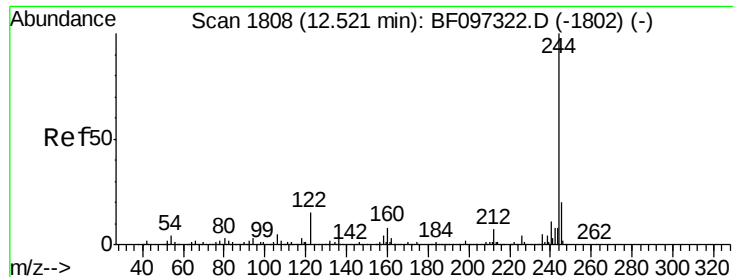
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.60 min Scan# 2008
Delta R.T. -0.03 min
Lab File: BF097364.D
Acq: 4 Aug 2017 19:10

Tgt Ion:240 Resp: 46028
Ion Ratio Lower Upper
240 100
120 21.6 5.8 8.8#
236 26.2 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: 38.09 ng

RT: 12.54 min Scan# 1828

Delta R.T. -0.05 min

Lab File: BF097364.D

Acq: 4 Aug 2017 19:10

Instrument :

BNA_F

ClientSampleId :

EFF-WW

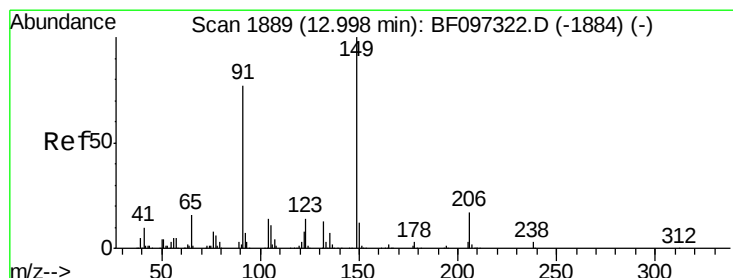
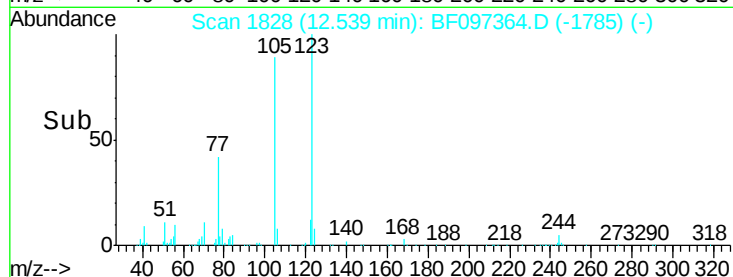
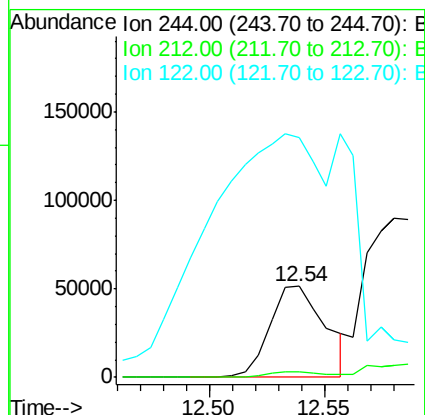
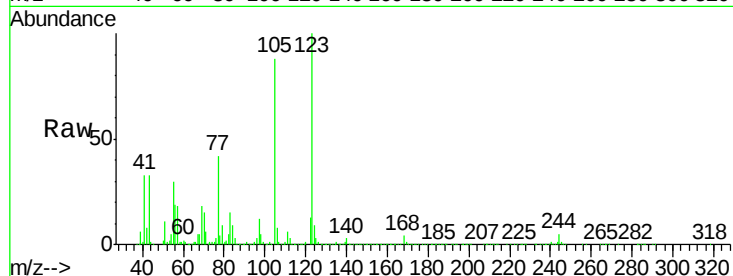
Tot Ion:244 Resp: 85998

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

122 263.0 10.3 15.5#



#79

Butylbenzylphthalate

Concen: 4.21 ng

RT: 13.04 min Scan# 1913

Delta R.T. -0.03 min

Lab File: BF097364.D

Acq: 4 Aug 2017 19:10

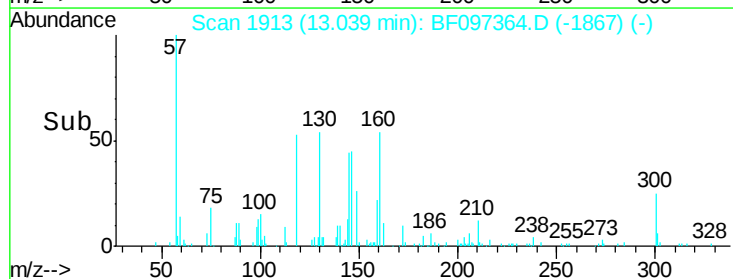
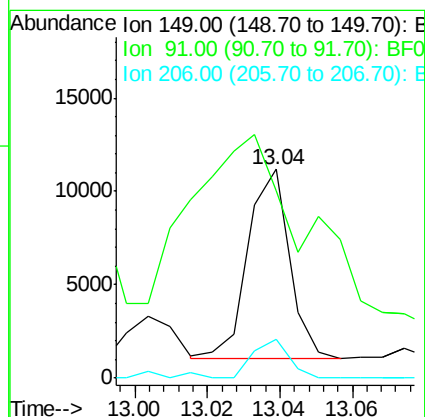
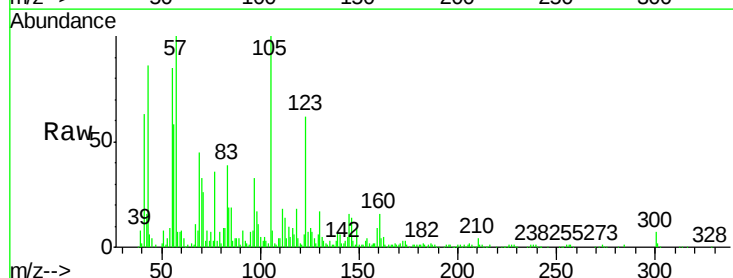
Tgt Ion:149 Resp: 8075

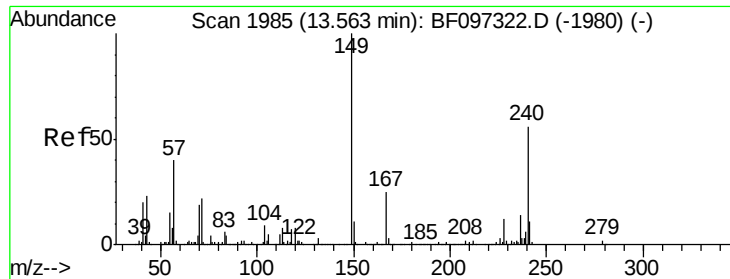
Ion Ratio Lower Upper

149 100

91 89.6 45.0 67.4#

206 18.6 17.0 25.6

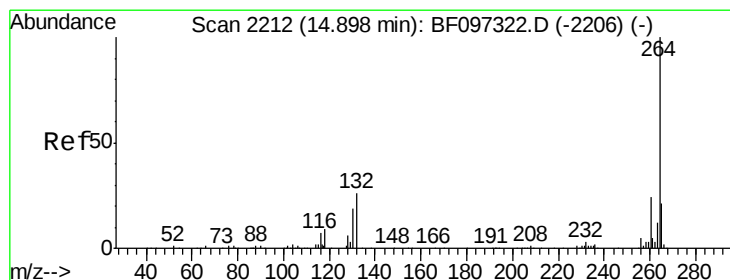
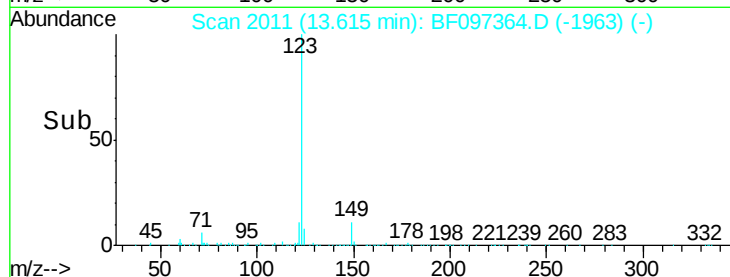
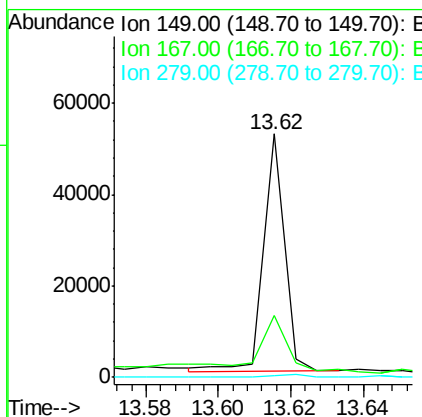
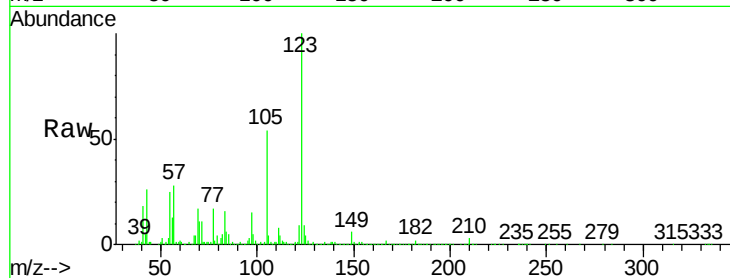




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.17 ng
 RT: 13.62 min Scan# 2011
 Delta R.T. -0.02 min
 Lab File: BF097364.D
 Acq: 4 Aug 2017 19:10

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WW

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.5	21.0	31.4
279	0.9	1.9	2.9#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.90 min Scan# 2230
 Delta R.T. -0.07 min
 Lab File: BF097364.D
 Acq: 4 Aug 2017 19:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.5	17.2	25.8

