

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097498.D
 Acq On : 9 Aug 2017 5:06
 Operator : SJ/JU
 Sample : I4604-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-7-080217

Quant Time: Aug 09 05:34:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

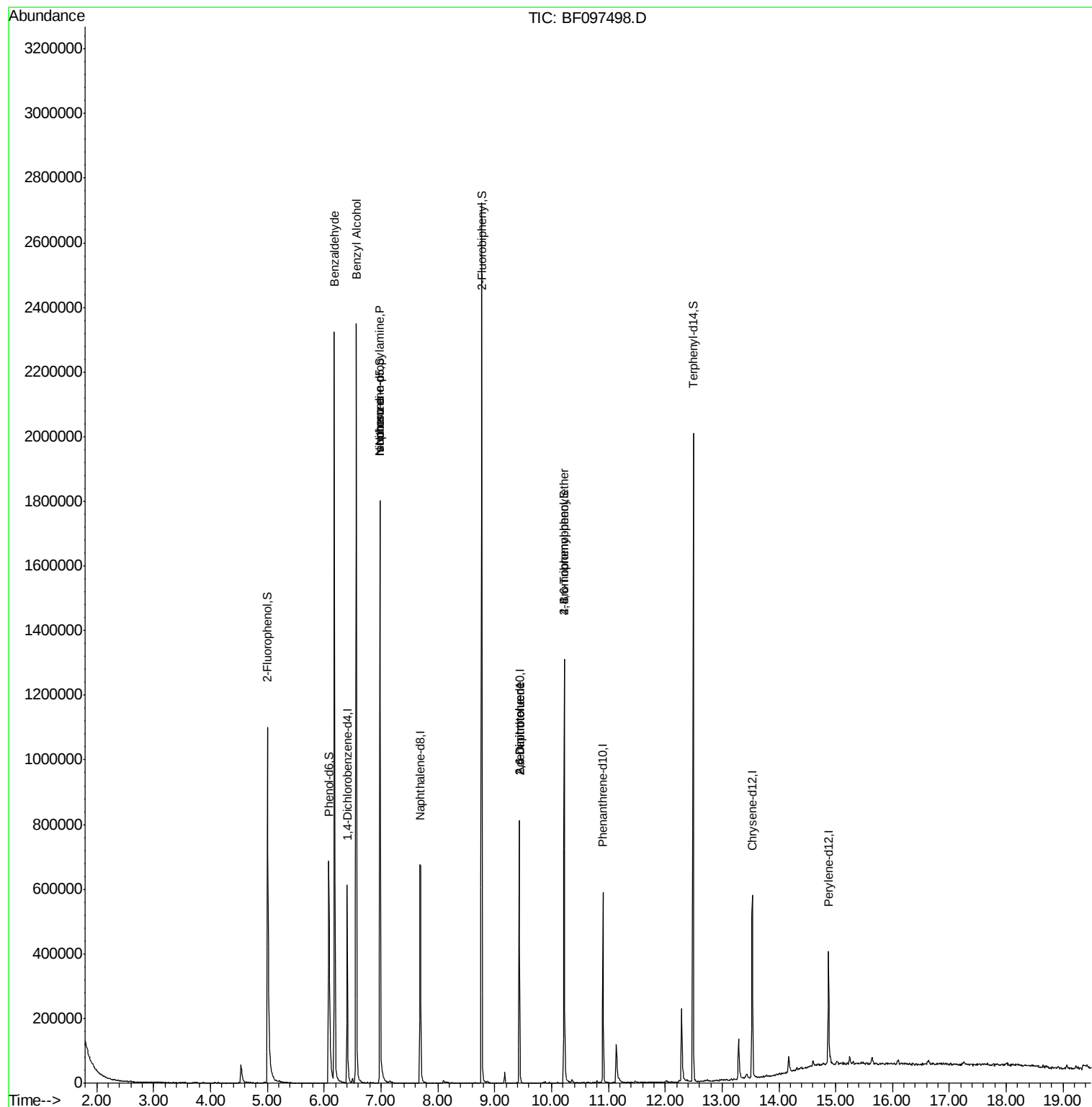
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	97626	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	364921	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	154148	20.00	ng	0.00
63) Phenanthrene-d10	10.90	188	222891	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	190371	20.00	ng	0.00
86) Perylene-d12	14.87	264	143870	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	438423	67.70	ng	0.00
7) Phenol-d6	6.08	99	320073	43.29	ng	0.00
23) Nitrobenzene-d5	6.98	82	588597	94.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.22	330	145998	119.88	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	893150	98.33	ng	0.00
78) Terphenyl-d14	12.49	244	628606	67.32	ng	0.00
Target Compounds						
9) Benzaldehyde	6.18	77	13878	3.17	ng	# 76
15) Benzyl Alcohol	6.56	79	10378	2.22	ng	# 31
19) n-Nitroso-di-n-propylamine	6.98	70	78993	16.23	ng	# 86
25) Isophorone	6.98	82	588591	48.32	ng	# 67
50) 2,6-Dinitrotoluene	9.43	165	19813	7.98	ng	# 33
56) 2,4-Dinitrotoluene	9.43	165	19813	6.94	ng	# 32
66) 4-Bromophenyl-phenylether	10.22	248	9320	4.19	ng	# 1

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

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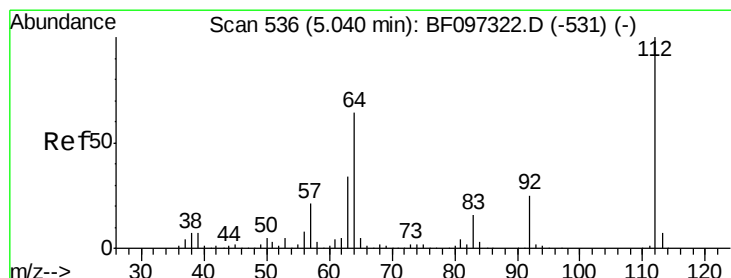
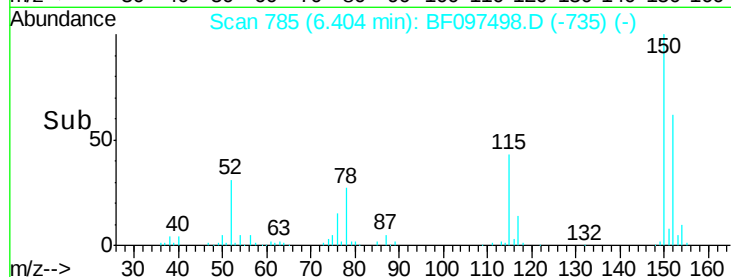
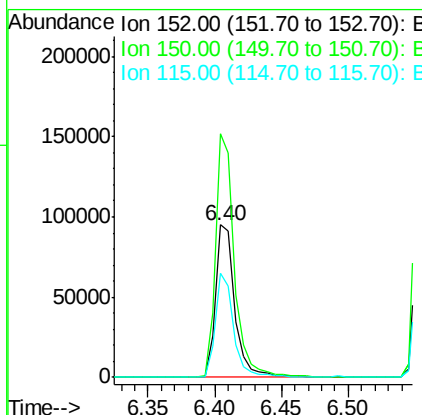
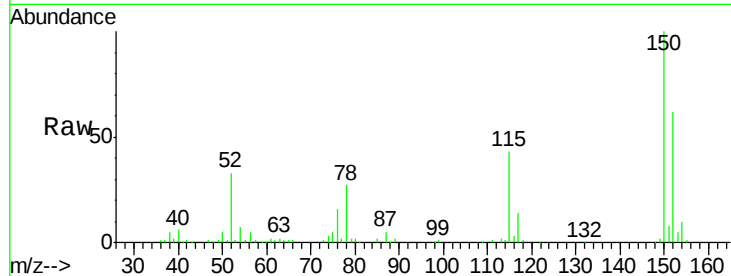


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.40 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF097498.D
 Acq: 9 Aug 2017 5:06

Instrument :
 BNA_F
 ClientSampleId :
 MW-7-080217

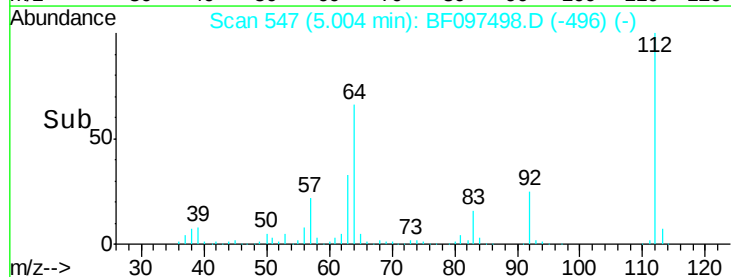
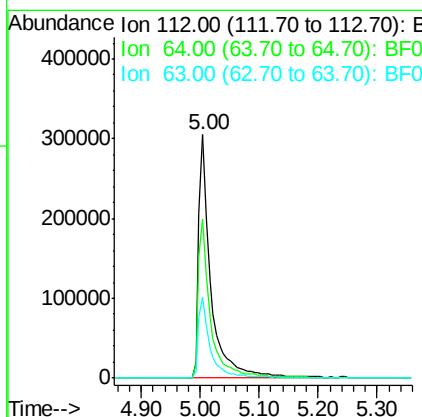
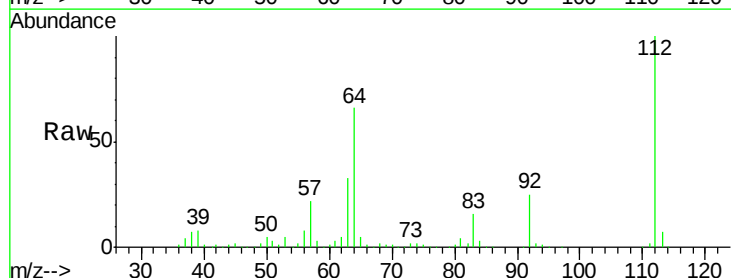
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.2	189.2
115	68.2	52.2	78.2



#5

2-Fluorophenol
 Concen: 67.70 ng
 RT: 5.00 min Scan# 547
 Delta R.T. 0.00 min
 Lab File: BF097498.D
 Acq: 9 Aug 2017 5:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	46.0	69.0
63	33.1	23.4	35.0





#7

Phenol-d6

Concen: 43.29 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097498.D

Acq: 9 Aug 2017 5:06

Instrument :

BNA_F

ClientSampleId :

MW-7-080217

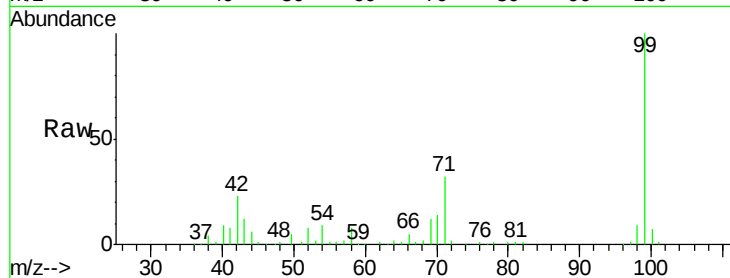
Tot Ion: 99 Resp: 320073

Ion Ratio Lower Upper

99 100

42 23.2 13.5 20.3#

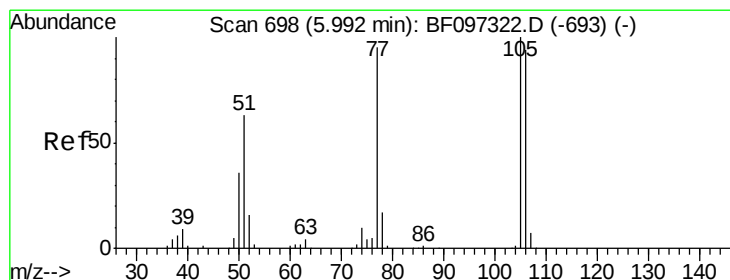
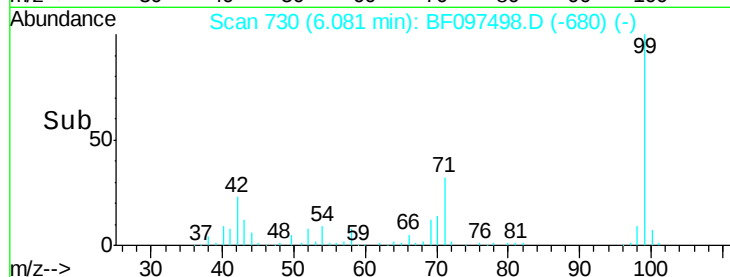
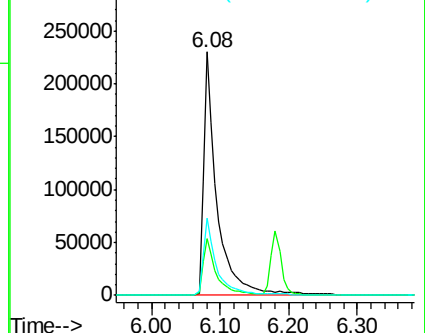
71 31.8 24.5 36.7



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



#9

Benzaldehyde

Concen: 3.17 ng

RT: 6.18 min Scan# 747

Delta R.T. 0.22 min

Lab File: BF097498.D

Acq: 9 Aug 2017 5:06

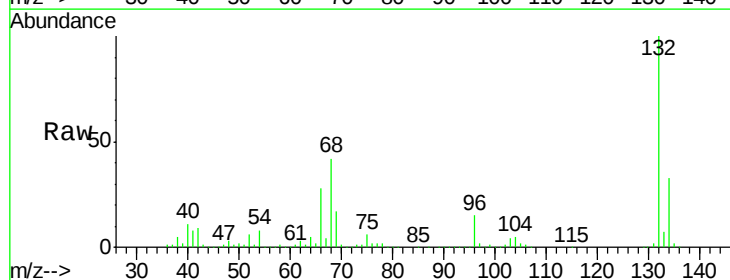
Tgt Ion: 77 Resp: 13878

Ion Ratio Lower Upper

77 100

105 81.9 83.8 123.8#

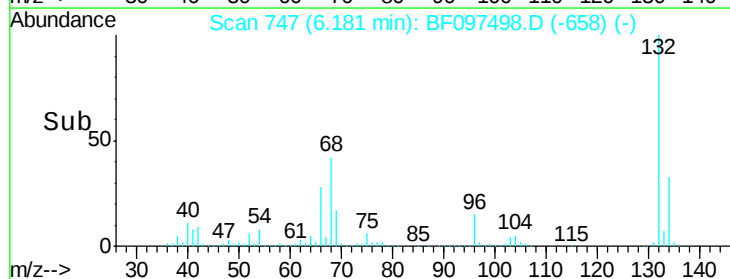
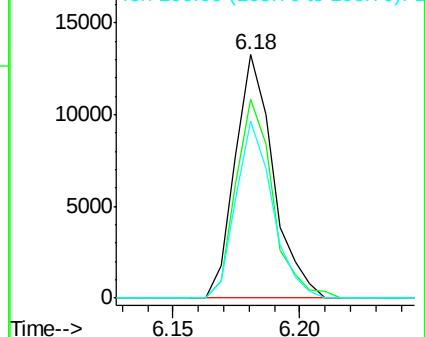
106 72.8 79.1 119.1#

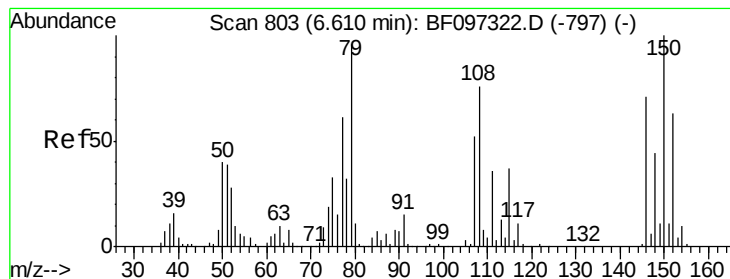


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.22 ng

RT: 6.56 min Scan# 812

Delta R.T. -0.02 min

Lab File: BF097498.D

Acq: 9 Aug 2017 5:06

Instrument :

BNA_F

ClientSampleId :

MW-7-080217

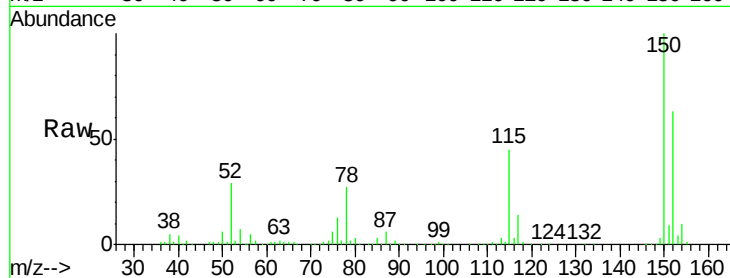
Tot Ion: 79 Resp: 10378

Ion Ratio Lower Upper

79 100

108 24.3 63.4 95.0#

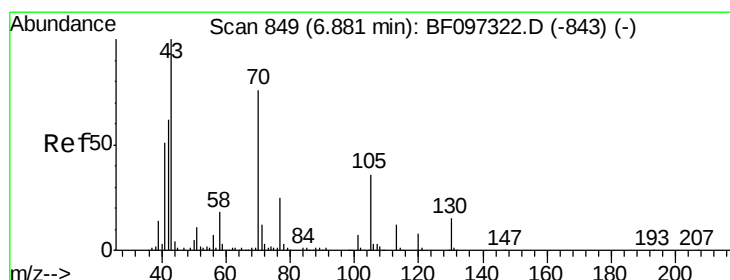
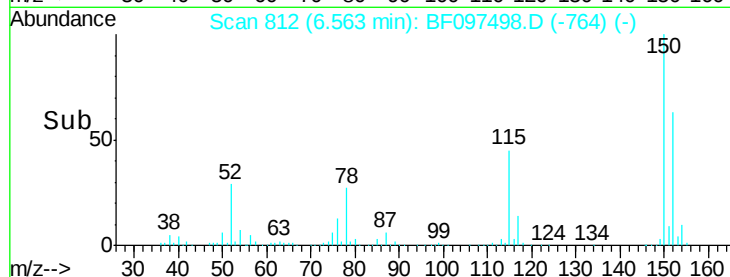
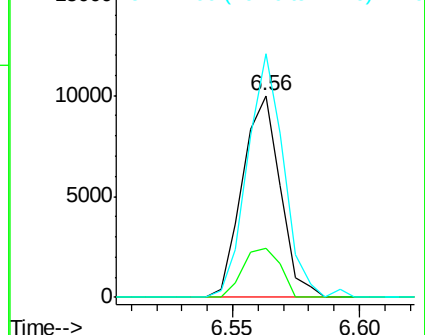
77 120.9 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.23 ng

RT: 6.98 min Scan# 883

Delta R.T. 0.13 min

Lab File: BF097498.D

Acq: 9 Aug 2017 5:06

Tgt Ion: 70 Resp: 78993

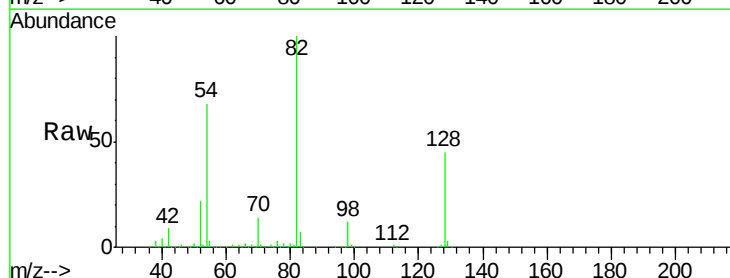
Ion Ratio Lower Upper

70 100

42 62.2 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

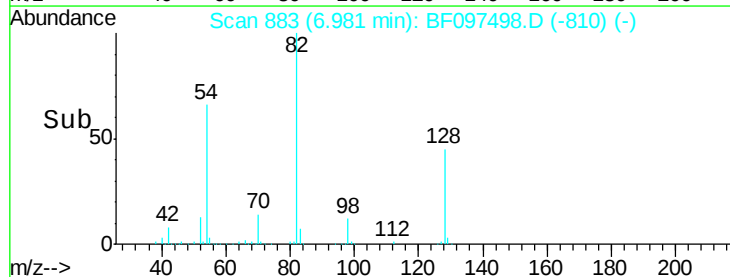
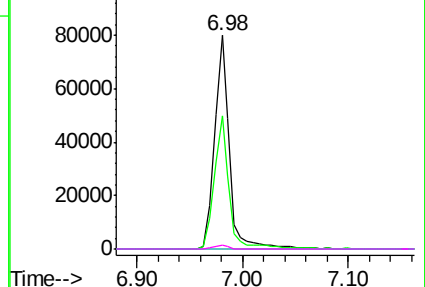


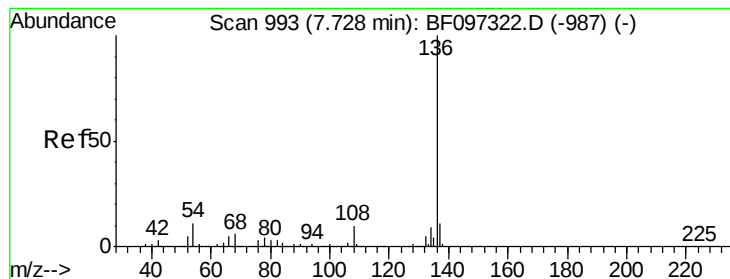
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.69 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF097498.D

Acq: 9 Aug 2017 5:06

Instrument :

BNA_F

ClientSampleId :

MW-7-080217

Tot Ion:136 Resp: 364921

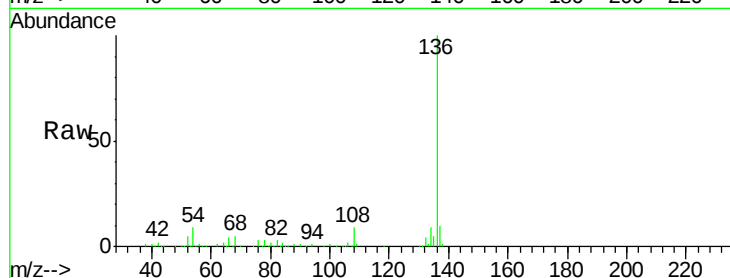
Ion Ratio Lower Upper

136 100

137 10.3 8.5 12.7

54 9.2 4.9 7.3#

68 4.7 4.1 6.1

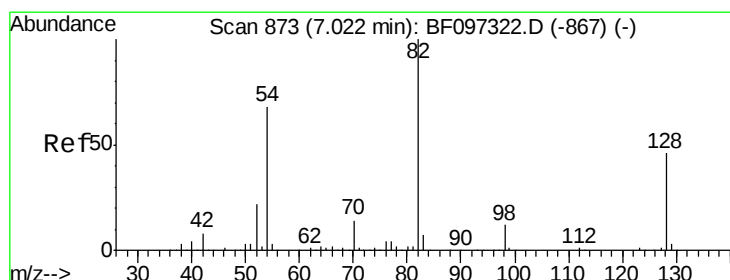
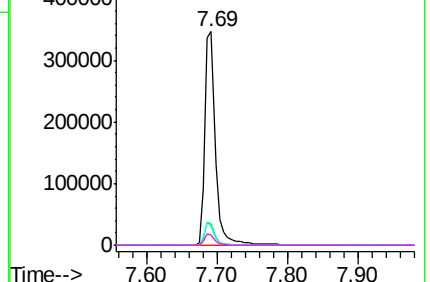
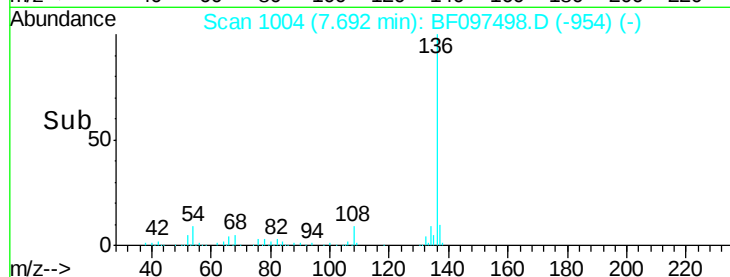


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.62 ng

RT: 6.98 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF097498.D

Acq: 9 Aug 2017 5:06

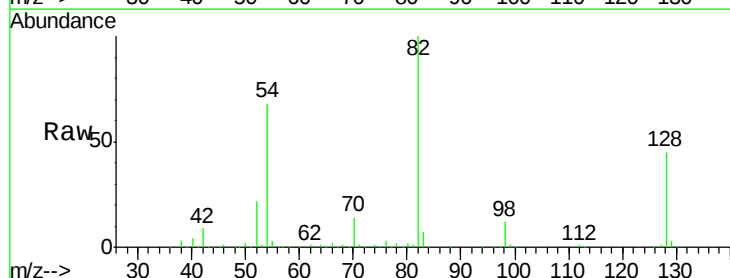
Tgt Ion: 82 Resp: 588597

Ion Ratio Lower Upper

82 100

128 44.7 34.0 51.0

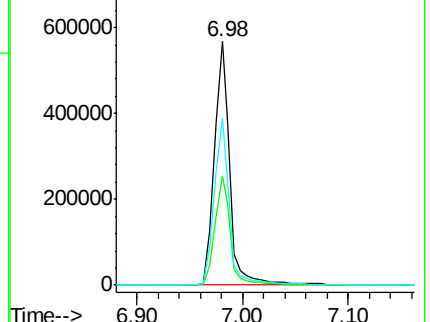
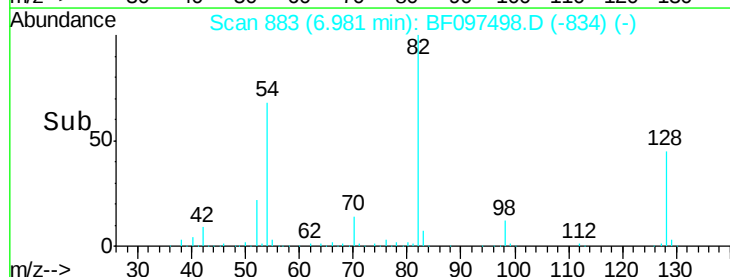
54 68.4 42.2 63.2#

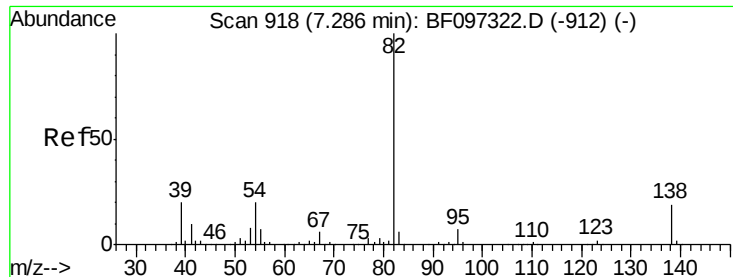


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 48.32 ng

RT: 6.98 min Scan# 883

Delta R.T. -0.27 min

Lab File: BF097498.D

Acq: 9 Aug 2017 5:06

Instrument :

BNA_F

ClientSampleId :

MW-7-080217

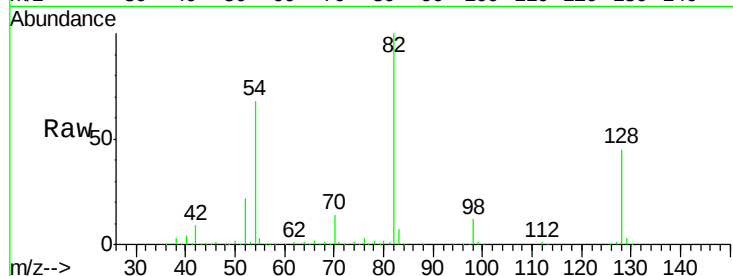
Tot Ion: 82 Resp: 588591

Ion Ratio Lower Upper

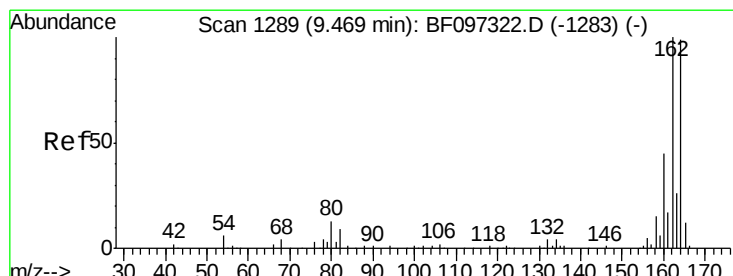
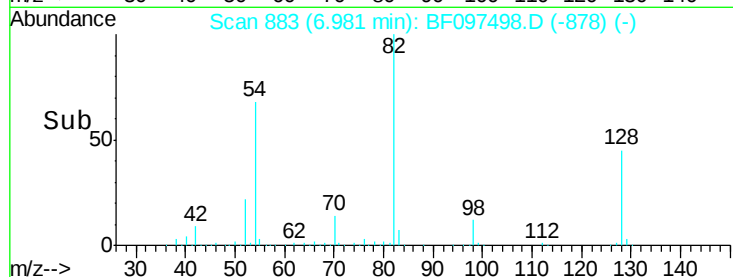
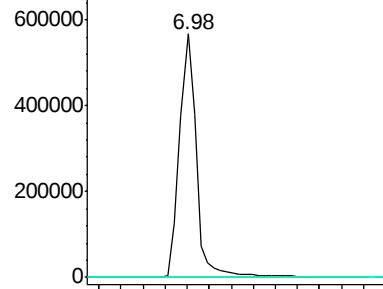
82 100

95 0.0 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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.43 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF097498.D

Acq: 9 Aug 2017 5:06

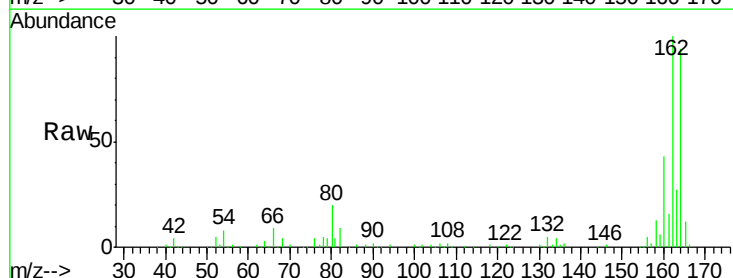
Tgt Ion:164 Resp: 154148

Ion Ratio Lower Upper

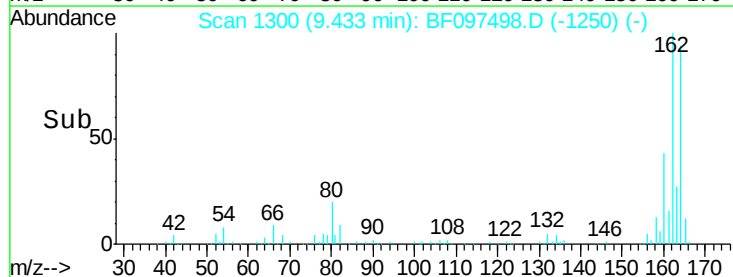
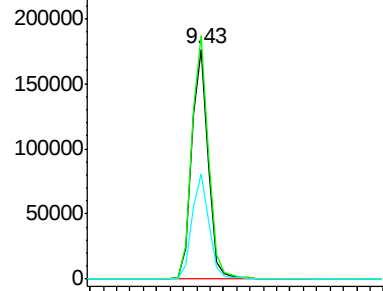
164 100

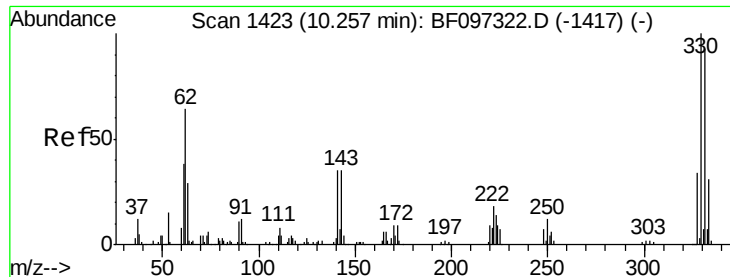
162 105.8 82.6 123.8

160 45.7 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

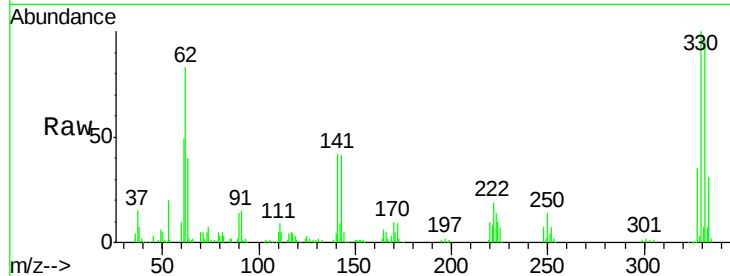




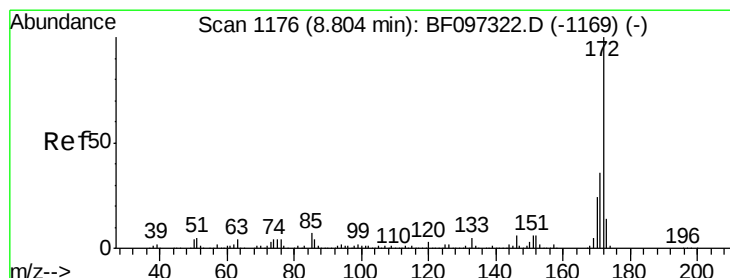
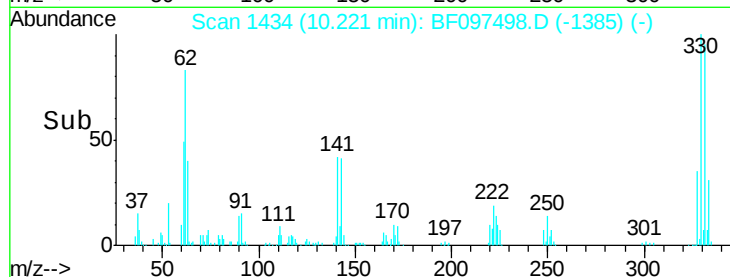
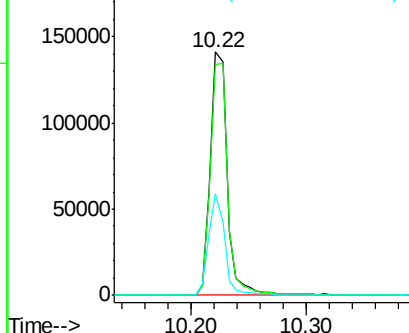
#41
 2,4,6-Tribromophenol
 Concen: 119.88 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097498.D
 Acq: 9 Aug 2017 5:06

Instrument :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	115.0
141	39.8	31.4	47.2

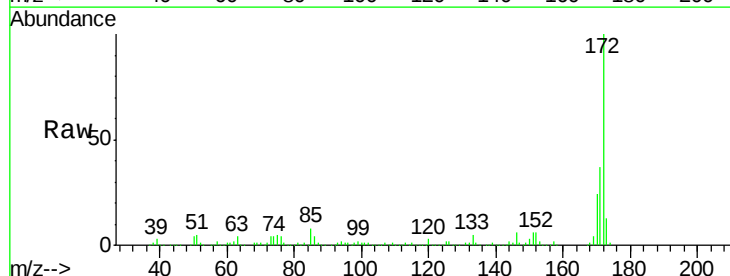


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

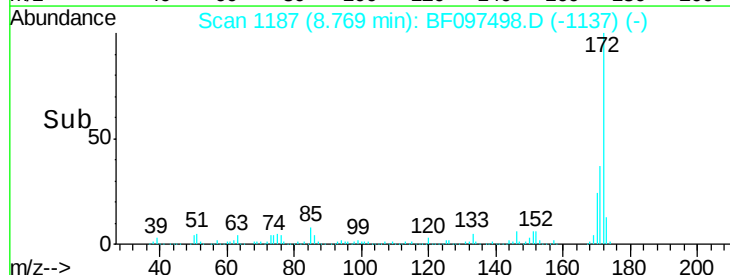
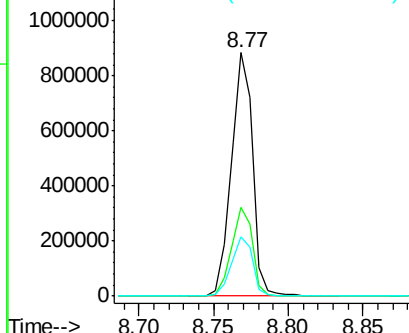


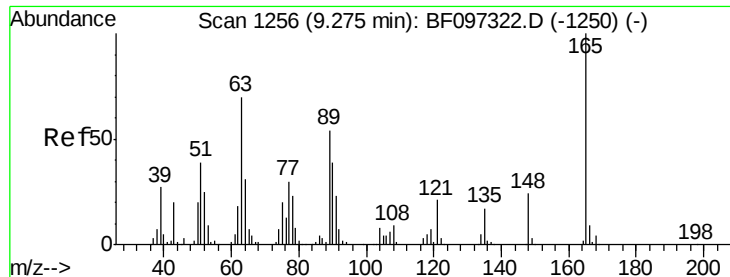
#44
 2-Fluorobiphenyl
 Concen: 98.33 ng
 RT: 8.77 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF097498.D
 Acq: 9 Aug 2017 5:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	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

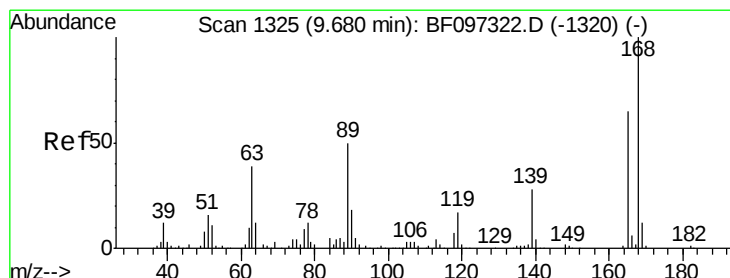
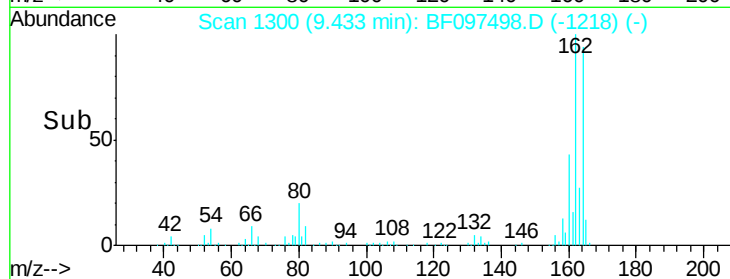
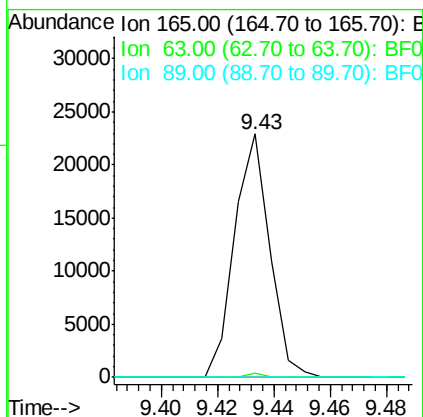
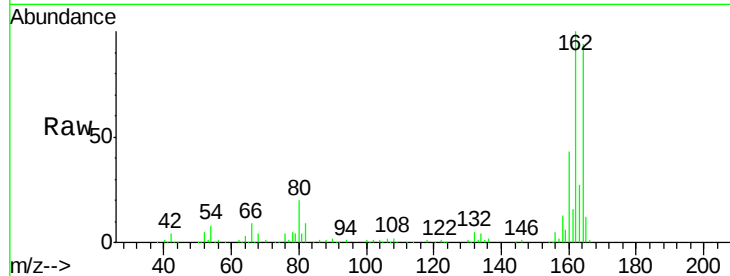




#50
 2,6-Dinitrotoluene
 Concen: 7.98 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. 0.18 min
 Lab File: BF097498.D
 Acq: 9 Aug 2017 5:06

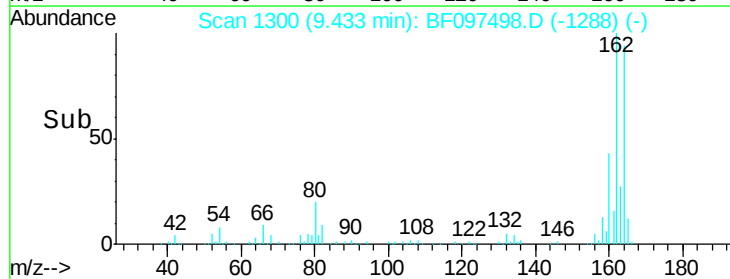
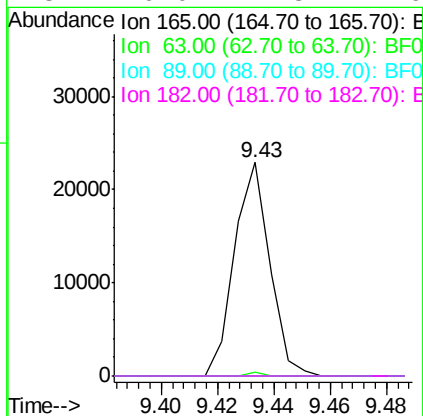
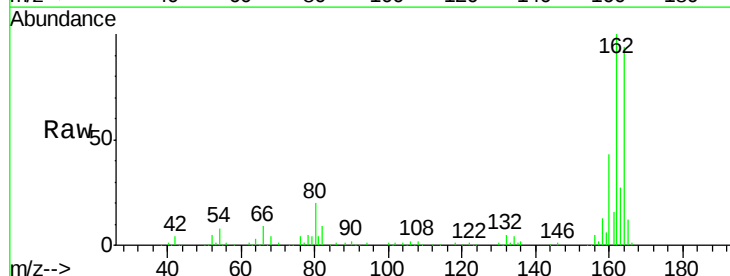
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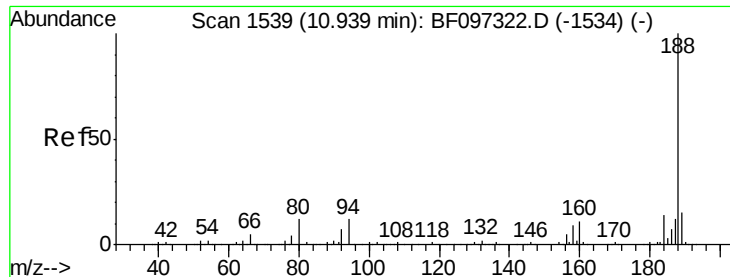
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.3	51.5#
89	0.0	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.94 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. -0.23 min
 Lab File: BF097498.D
 Acq: 9 Aug 2017 5:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#

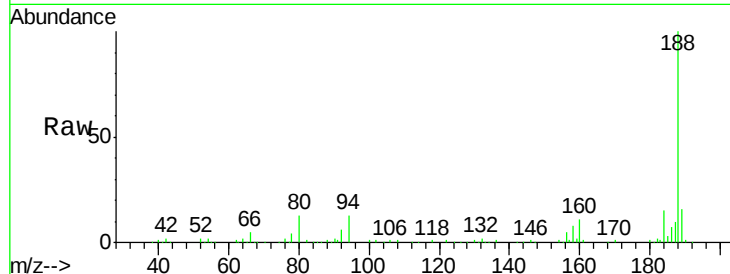




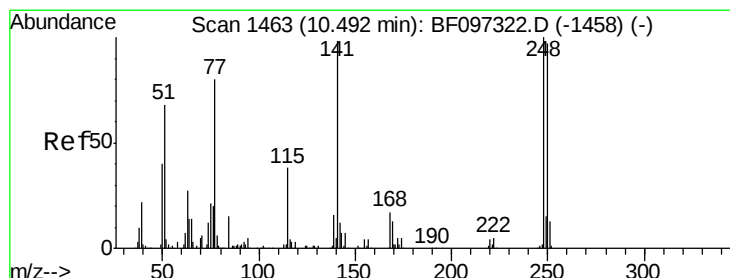
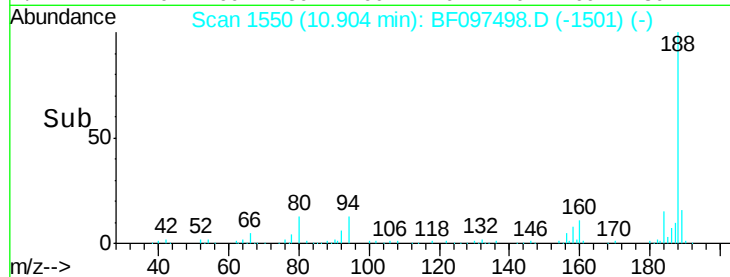
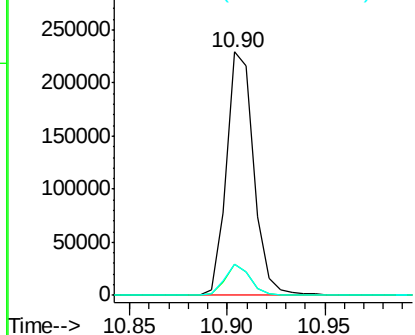
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.90 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF097498.D
Acq: 9 Aug 2017 5:06

Instrument :
BNA_F
ClientSampleId :
MW-7-080217

Tot Ion:188 Resp: 222891
Ion Ratio Lower Upper
188 100
94 12.7 9.4 14.2
80 12.7 10.2 15.2

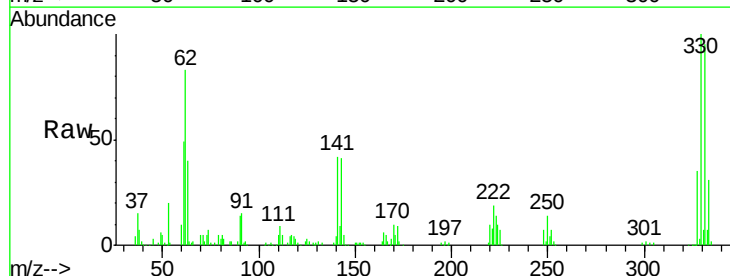


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

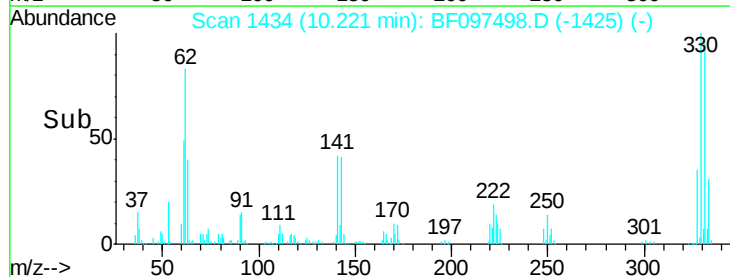
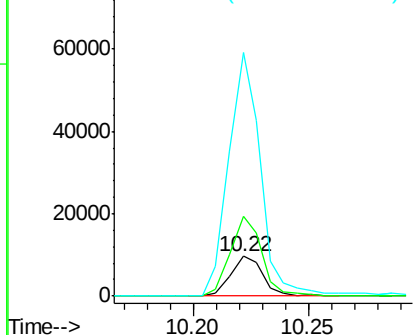


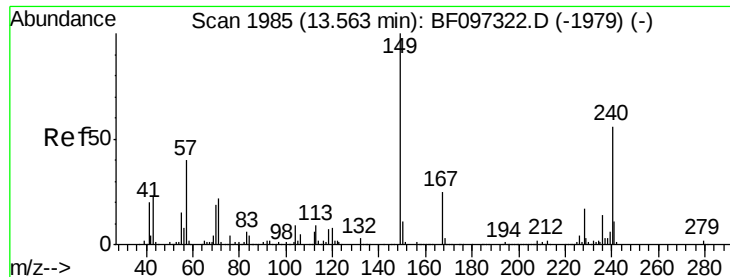
#66
4-Bromophenyl-phenylether
Concen: 4.19 ng
RT: 10.22 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF097498.D
Acq: 9 Aug 2017 5:06

Tgt Ion:248 Resp: 9320
Ion Ratio Lower Upper
248 100
250 200.2 76.8 115.2#
141 611.6 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: 20.00 ng

RT: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097498.D

Acq: 9 Aug 2017 5:06

Instrument :

BNA_F

ClientSampleId :

MW-7-080217

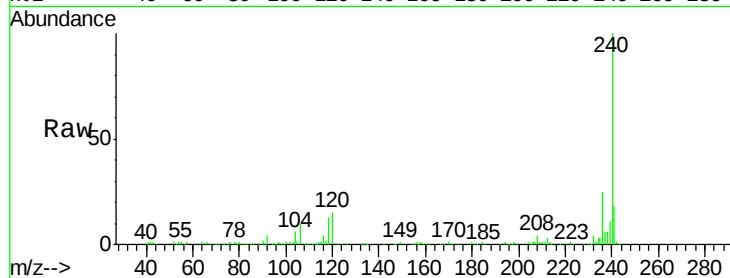
Tot Ion:240 Resp: 190371

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

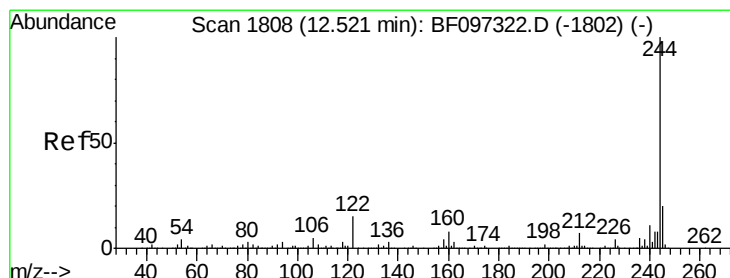
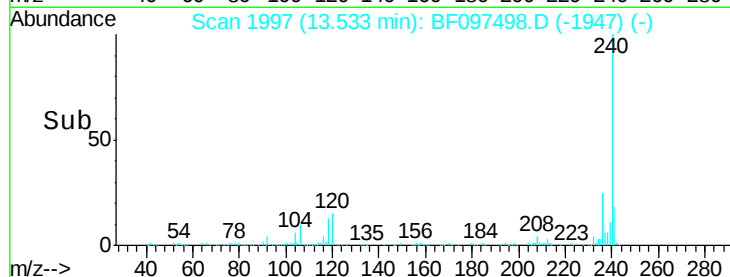
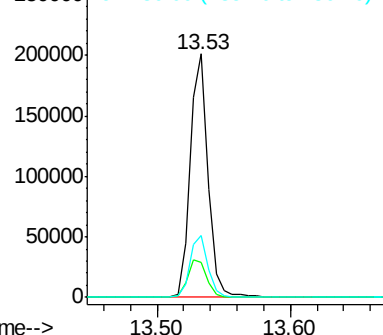
236 25.4 20.5 30.7



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: 67.32 ng

RT: 12.49 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF097498.D

Acq: 9 Aug 2017 5:06

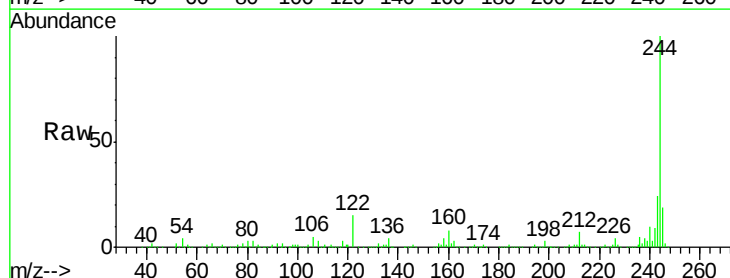
Tgt Ion:244 Resp: 628606

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

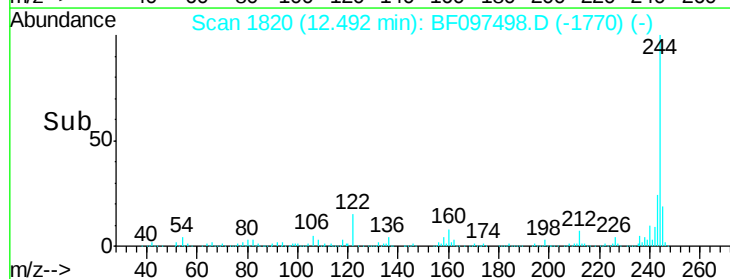
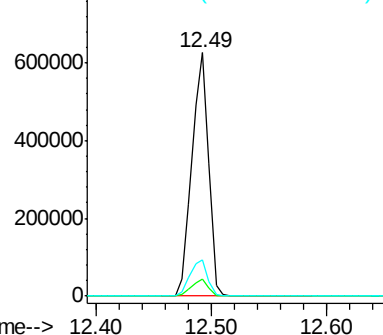
122 14.9 10.3 15.5

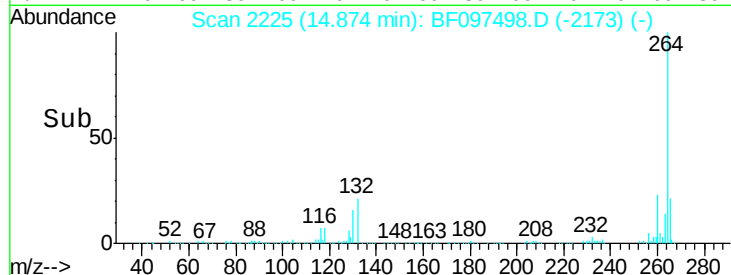
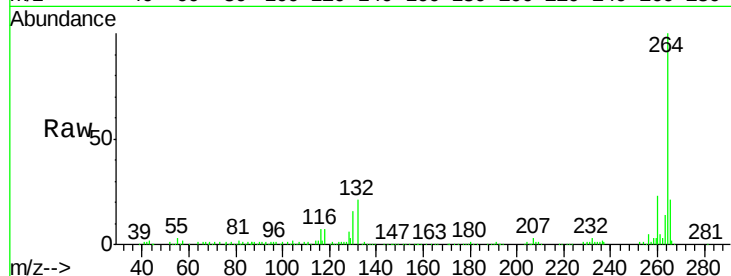
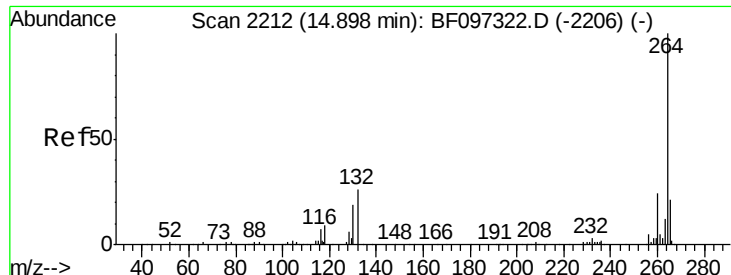


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097498.D
Acq: 9 Aug 2017 5:06

Instrument :
BNA_F
ClientSampleId :
MW-7-080217

Tot Ion:	264	Resp:	143870
Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.5	29.3
265	20.5	17.2	25.8

