

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097360.D
 Acq On : 4 Aug 2017 17:17
 Operator : SJ/JU
 Sample : I4535-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 04 22:58:02 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

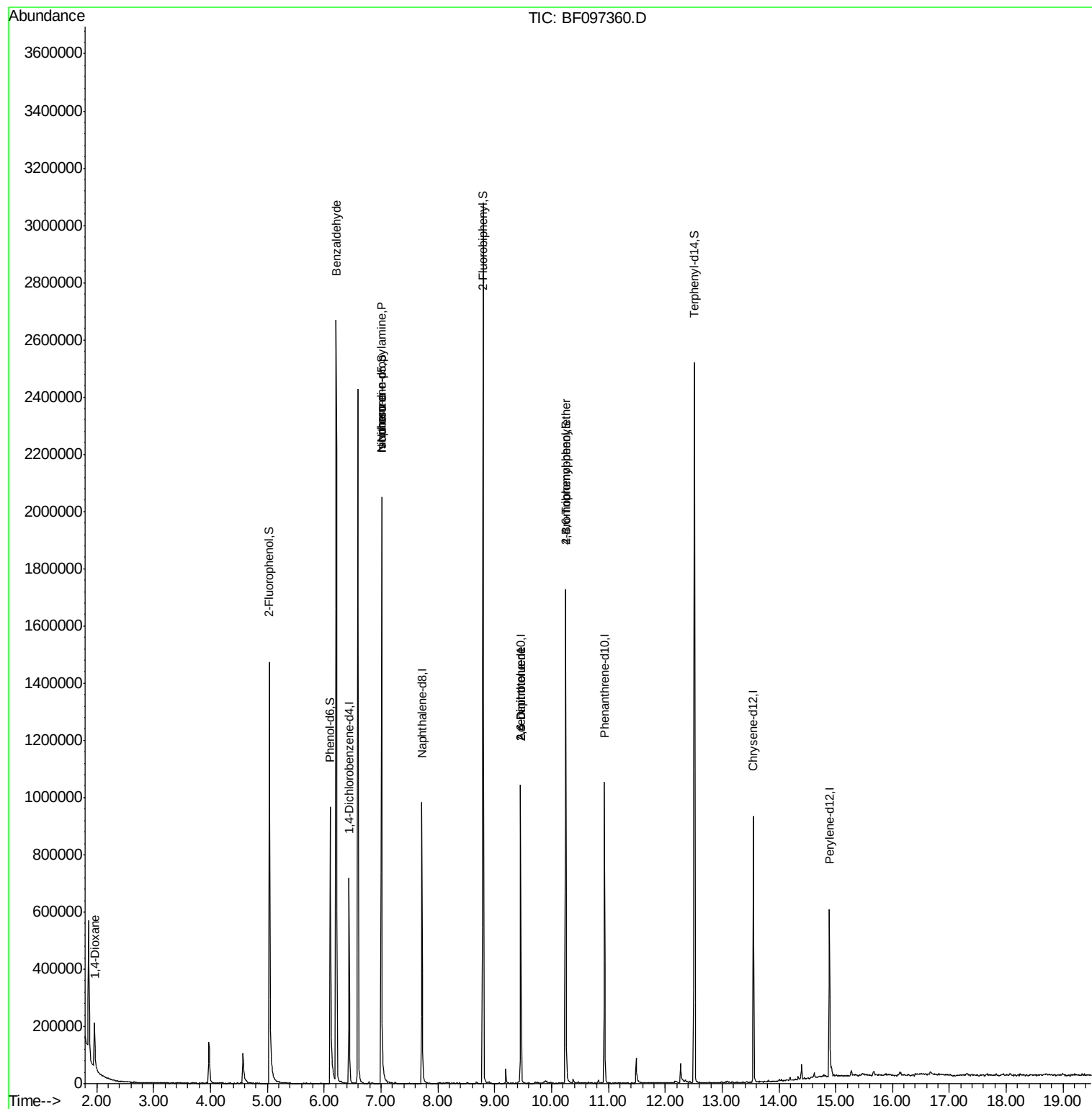
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	116688	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	479584	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	213932	20.00	ng	-0.08
63) Phenanthrene-d10	10.93	188	372778	20.00	ng	-0.07
75) Chrysene-d12	13.55	240	311713	20.00	ng	-0.08
86) Perylene-d12	14.89	264	235262	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	503832	65.09	ng	-0.06
7) Phenol-d6	6.10	99	409042	46.29	ng	-0.06
23) Nitrobenzene-d5	7.01	82	708006	86.61	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	216024	127.80	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	1089663	86.44	ng	-0.07
78) Terphenyl-d14	12.52	244	950991	62.20	ng	-0.07
Target Compounds						
2) 1,4-Dioxane	1.96	88	64217	19.88	ng	# 70
9) Benzaldehyde	6.21	77	15777	3.02	ng	# 80
19) n-Nitroso-di-n-propylamine	7.01	70	95959	16.50	ng	# 87
25) Isophorone	7.01	82	690502	43.13	ng	# 67
50) 2,6-Dinitrotoluene	9.46	165	26906	7.81	ng	# 34
56) 2,4-Dinitrotoluene	9.46	165	26906	6.79	ng	# 33
66) 4-Bromophenyl-phenylether	10.25	248	13479	3.62	ng	# 1

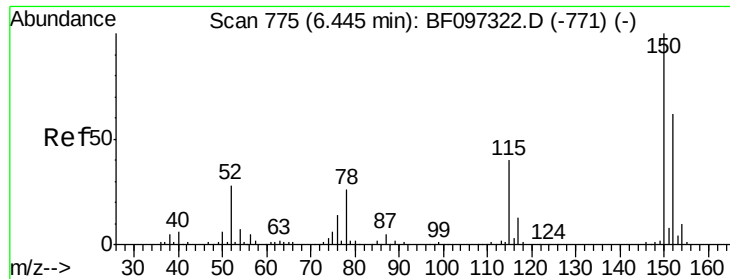
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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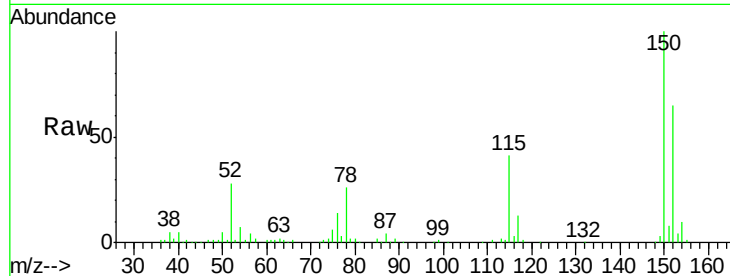


#1

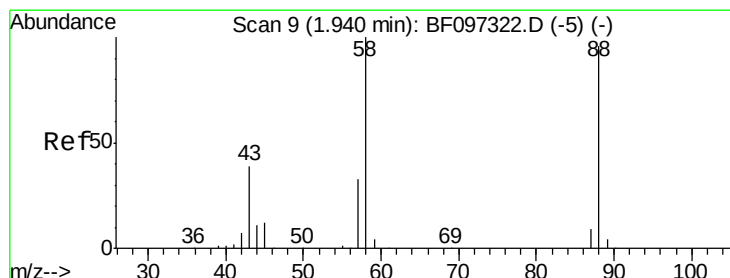
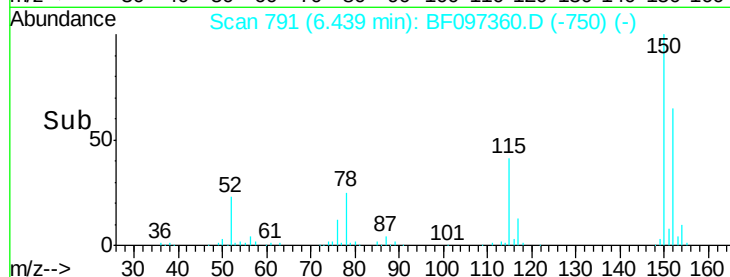
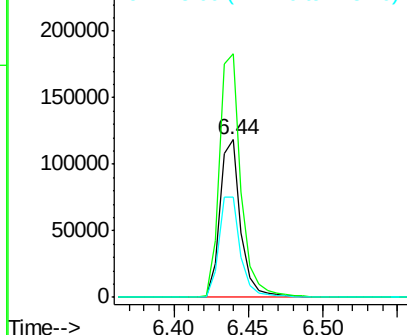
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097360.D
Acq: 4 Aug 2017 17:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 116688
Ion Ratio Lower Upper
152 100
150 154.4 126.2 189.2
115 63.8 52.2 78.2



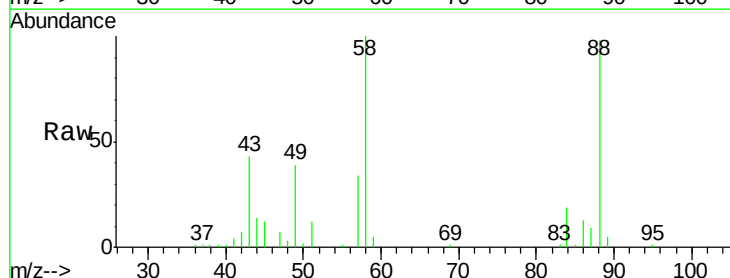
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



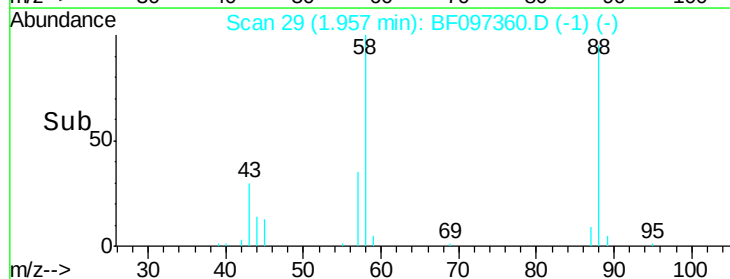
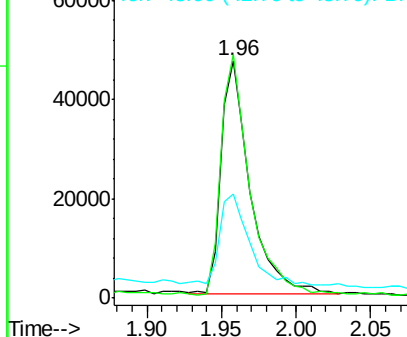
#2

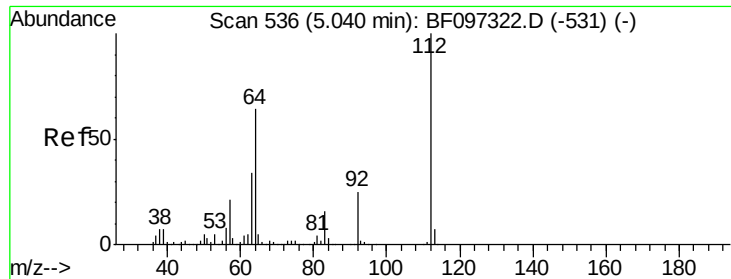
1,4-Dioxane
Concen: 19.88 ng
RT: 1.96 min Scan# 29
Delta R.T. -0.09 min
Lab File: BF097360.D
Acq: 4 Aug 2017 17:17

Tgt Ion: 88 Resp: 64217
Ion Ratio Lower Upper
88 100
58 102.6 61.4 92.0#
43 45.7 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 65.09 ng

RT: 5.03 min Scan# 552

Delta R.T. -0.06 min

Lab File: BF097360.D

Acq: 4 Aug 2017 17:17

Instrument :

BNA_F

ClientSampleId :

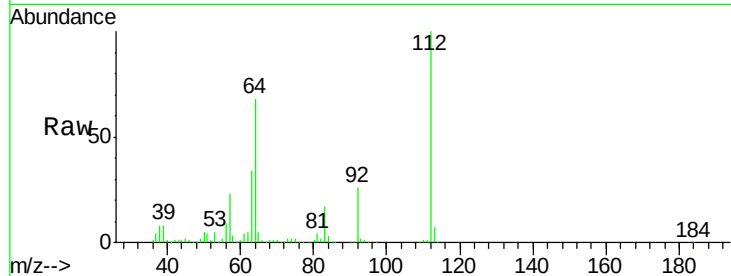
Tot Ion:112 Resp: 503832

Ion Ratio Lower Upper

112 100

64 67.7 46.0 69.0

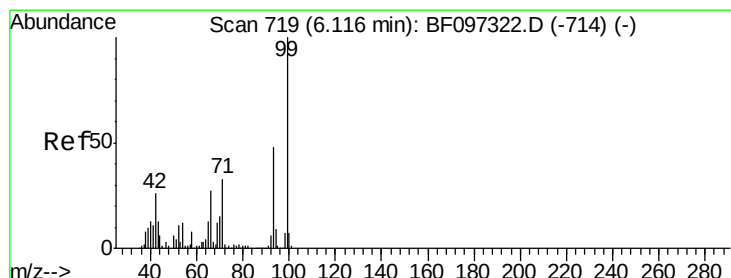
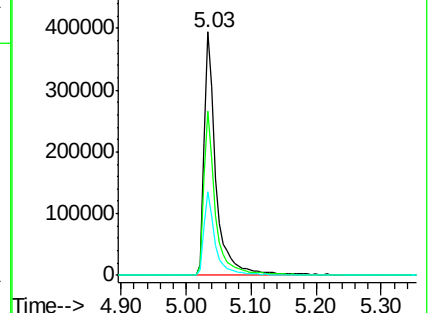
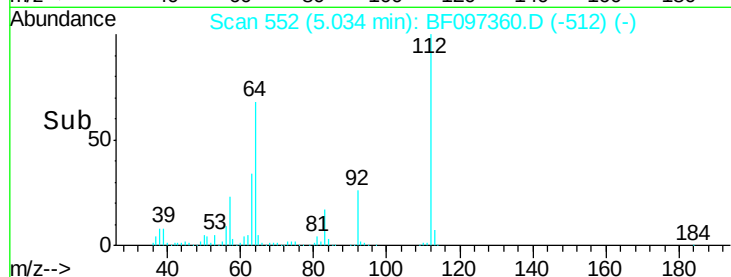
63 34.3 23.4 35.0



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: 46.29 ng

RT: 6.10 min Scan# 734

Delta R.T. -0.06 min

Lab File: BF097360.D

Acq: 4 Aug 2017 17:17

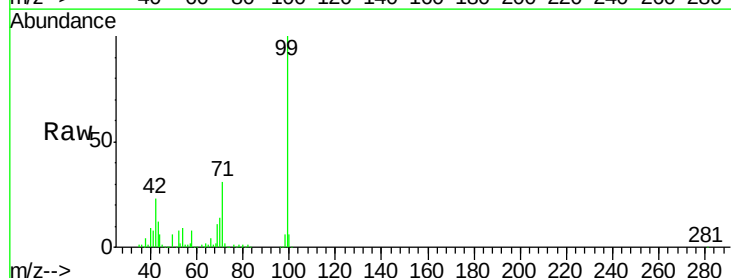
Tgt Ion: 99 Resp: 409042

Ion Ratio Lower Upper

99 100

42 22.8 13.5 20.3#

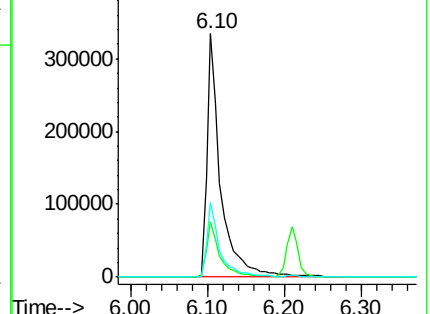
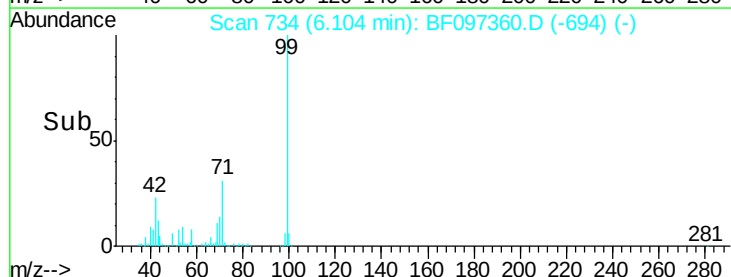
71 30.6 24.5 36.7

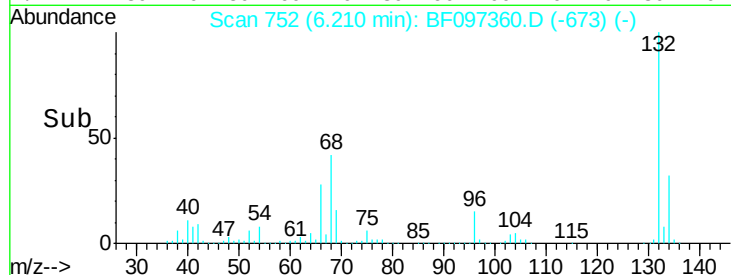
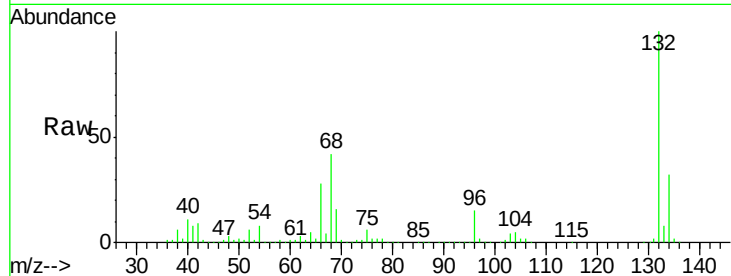
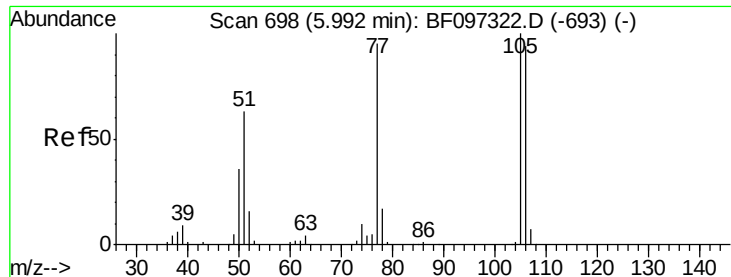


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

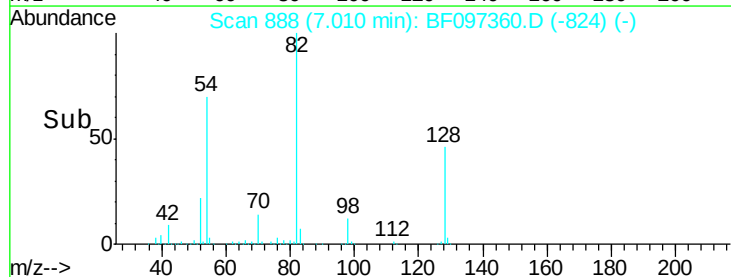
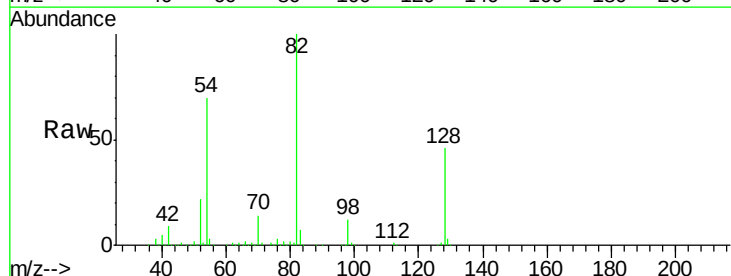
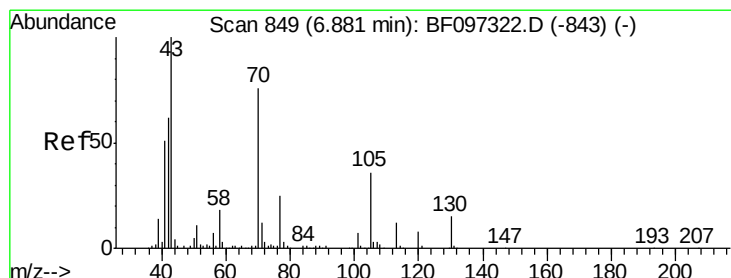
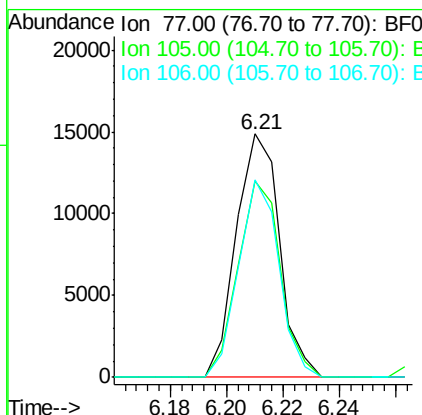




#9
Benzaldehydve
Concen: 3.02 ng
RT: 6.21 min Scan# 752
Delta R.T. 0.17 min
Lab File: BF097360.D
Acq: 4 Aug 2017 17:17

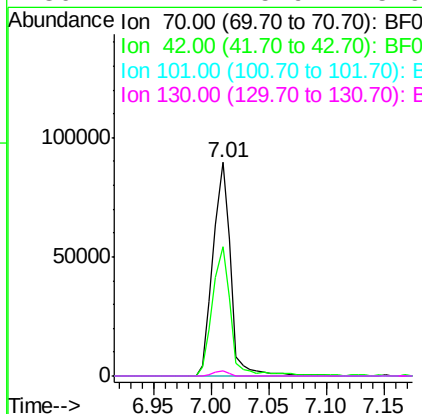
Instrument :
BNA_F
ClientSampleId :

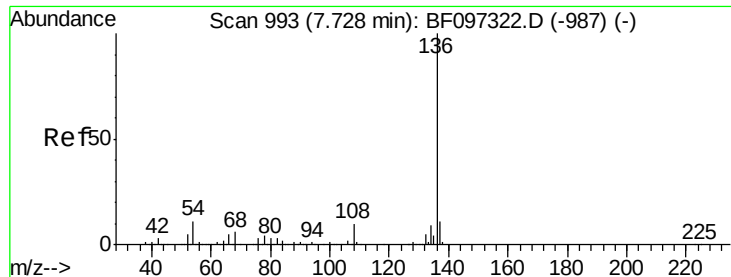
Tot Ion	Ratio	Lower	Upper
77	100		
105	80.7	83.8	123.8#
106	81.0	79.1	119.1



#19
n-Nitroso-di-n-propylamine
Concen: 16.50 ng
RT: 7.01 min Scan# 888
Delta R.T. 0.08 min
Lab File: BF097360.D
Acq: 4 Aug 2017 17:17

Tgt Ion	Ratio	Lower	Upper
70	100		
42	60.8	47.2	70.8
101	0.0	7.2	10.8#
130	2.1	15.9	23.9#

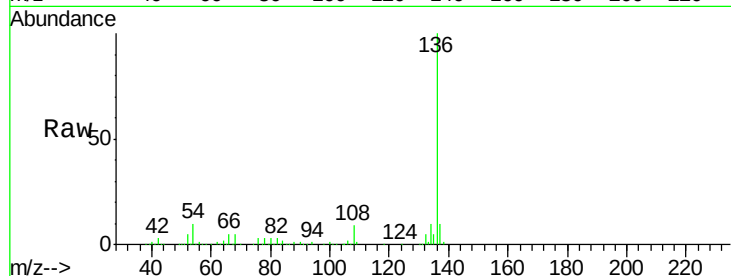




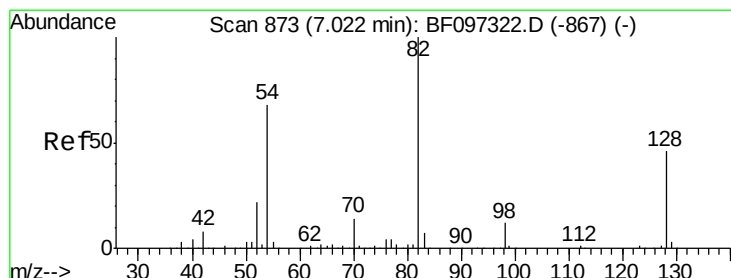
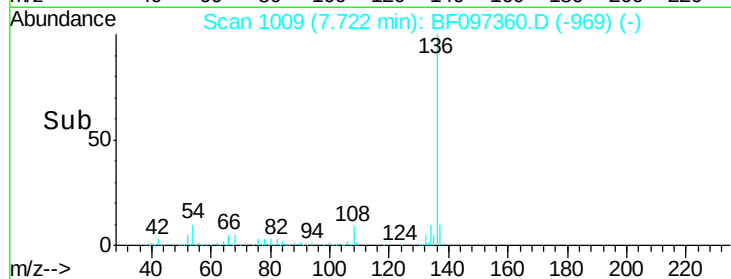
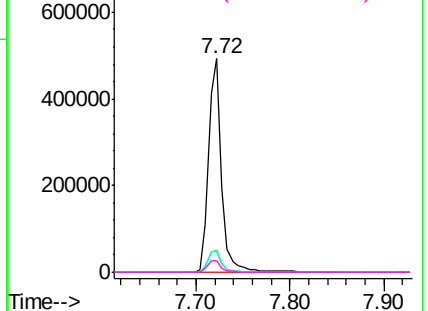
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.72 min Scan# 1009
Delta R.T. -0.06 min
Lab File: BF097360.D
Acq: 4 Aug 2017 17:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	479584
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.5 12.7
54	9.8	4.9 7.3#
68	5.3	4.1 6.1

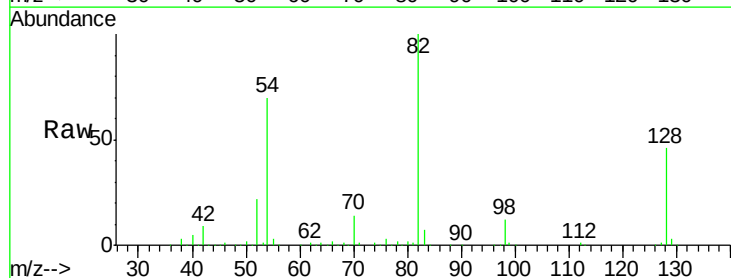


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

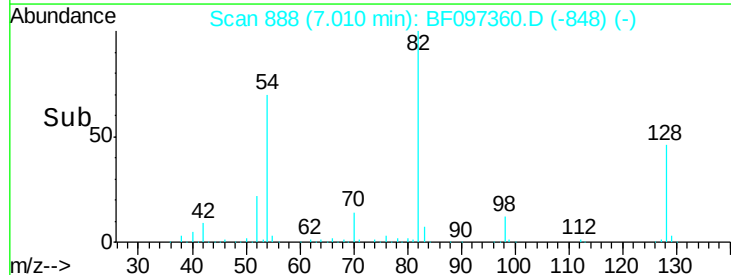
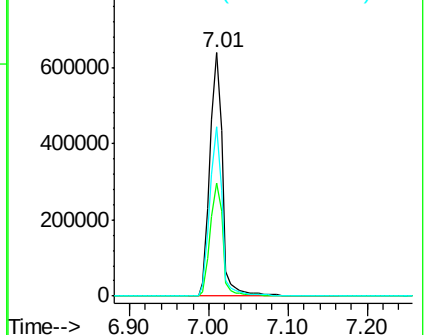


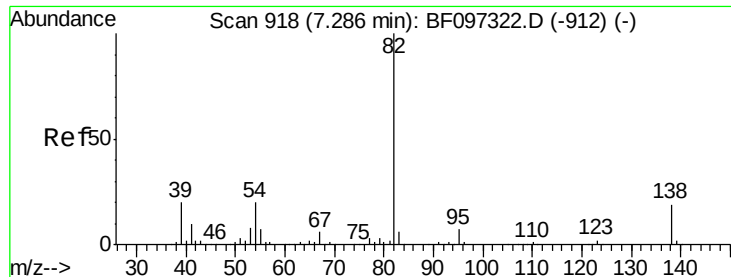
#23
Nitrobenzene-d5
Concen: 86.61 ng
RT: 7.01 min Scan# 888
Delta R.T. -0.06 min
Lab File: BF097360.D
Acq: 4 Aug 2017 17:17

Tgt Ion: 82	Resp:	708006
Ion Ratio	Lower	Upper
82	100	
128	46.4	34.0 51.0
54	69.8	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: 43.13 ng

RT: 7.01 min Scan# 888

Delta R.T. -0.33 min

Lab File: BF097360.D

Acq: 4 Aug 2017 17:17

Instrument :

BNA_F

ClientSampleId :

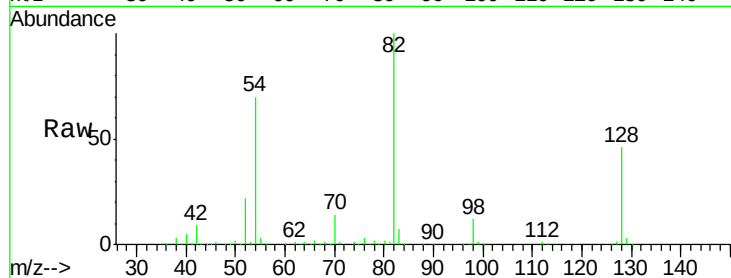
Tot Ion: 82 Resp: 690502

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#

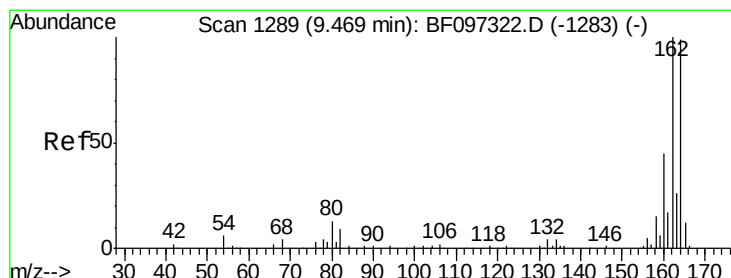
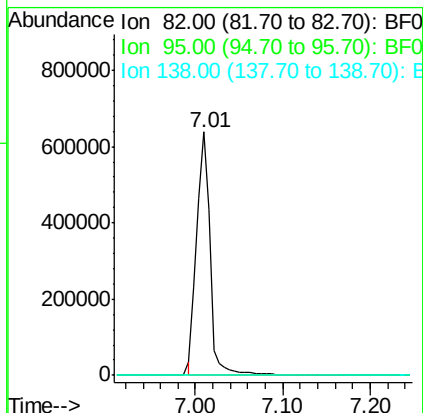
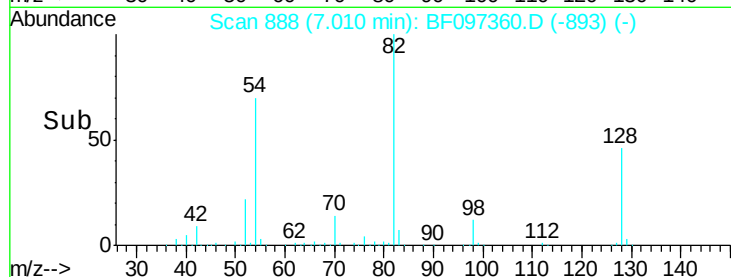


Abundance Ion 82.00 (81.70 to 82.70): BF097360.D (-888) (-)

Ion 95.00 (94.70 to 95.70): BF097360.D (-888) (-)

Ion 138.00 (137.70 to 138.70): BF097360.D (-888) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.46 min Scan# 1304

Delta R.T. -0.08 min

Lab File: BF097360.D

Acq: 4 Aug 2017 17:17

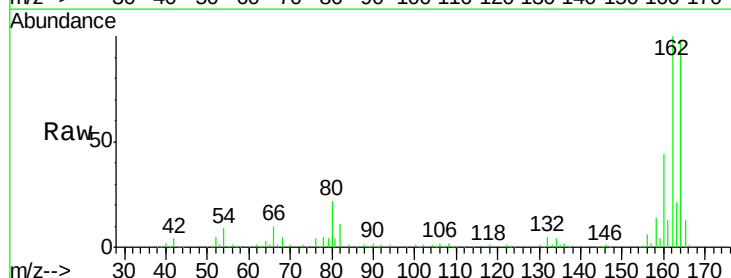
Tgt Ion: 164 Resp: 213932

Ion Ratio Lower Upper

164 100

162 101.6 82.6 123.8

160 44.8 36.2 54.2

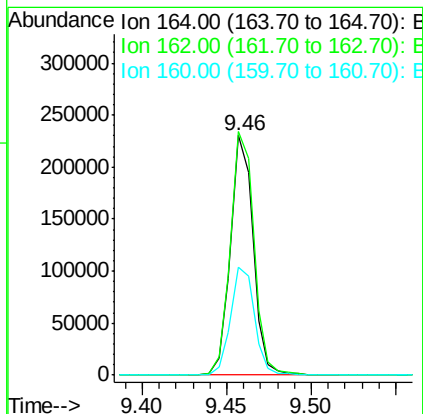
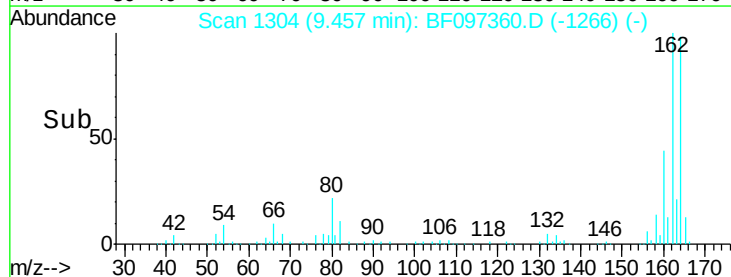


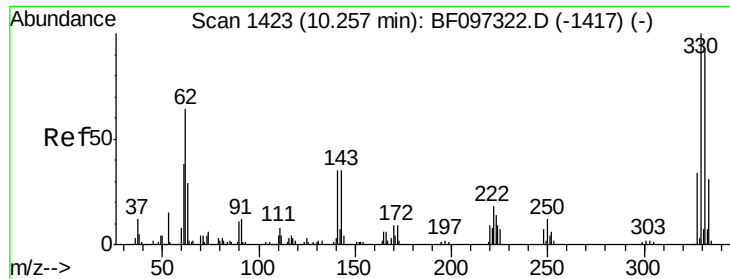
Abundance Ion 164.00 (163.70 to 164.70): BF097360.D (-1304) (-)

Ion 162.00 (161.70 to 162.70): BF097360.D (-1304) (-)

Ion 160.00 (159.70 to 160.70): BF097360.D (-1304) (-)

Time-->

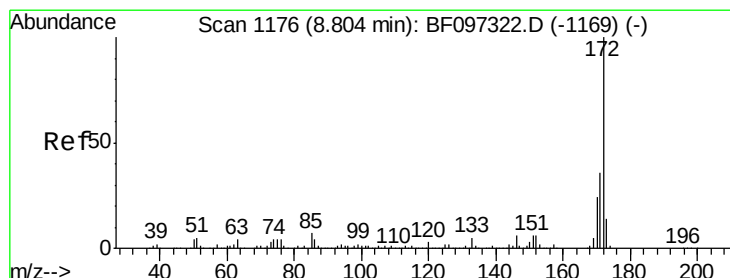
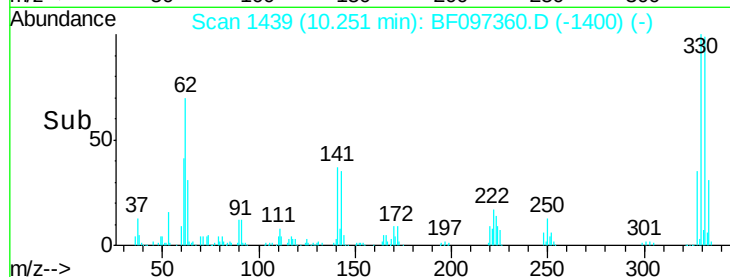
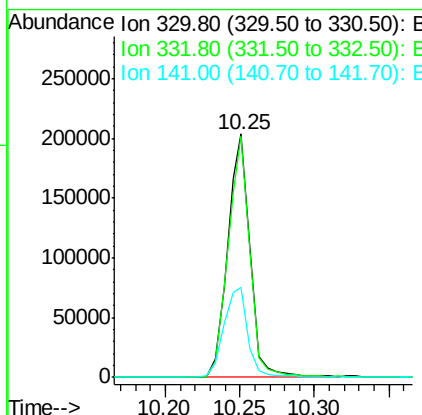
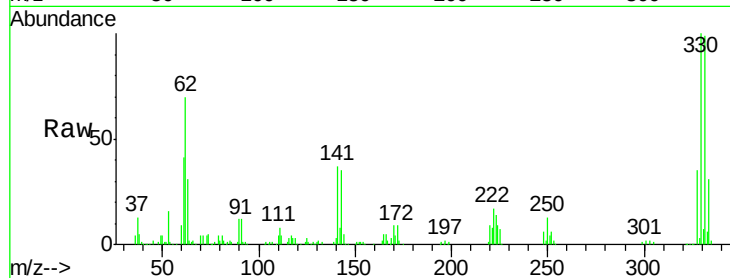




#41
 2,4,6-Tribromophenol
 Concen: 127.80 ng
 RT: 10.25 min Scan# 1439
 Delta R.T. -0.07 min
 Lab File: BF097360.D
 Acq: 4 Aug 2017 17:17

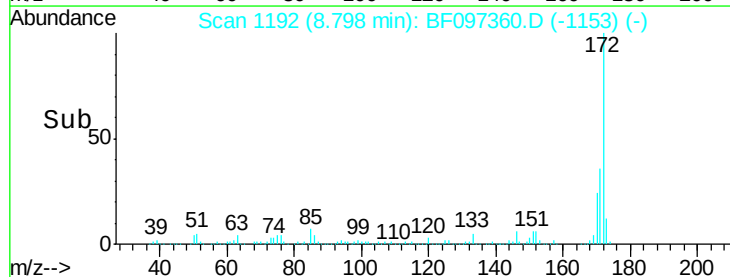
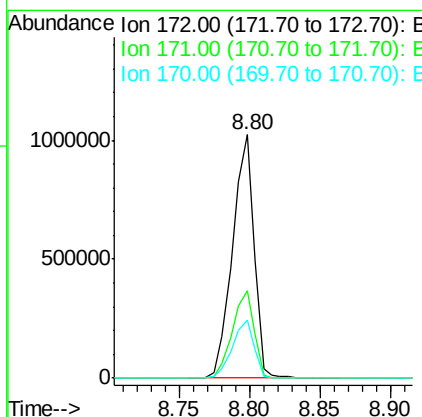
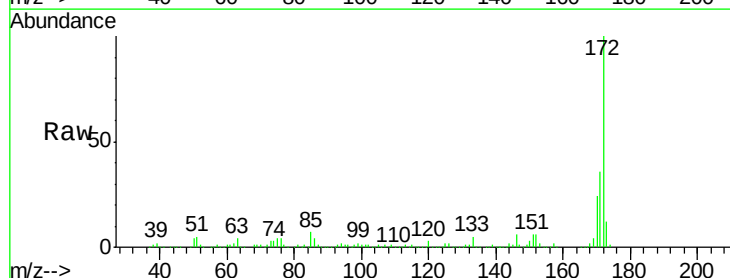
Instrument :
 BNA_F
 ClientSampled :

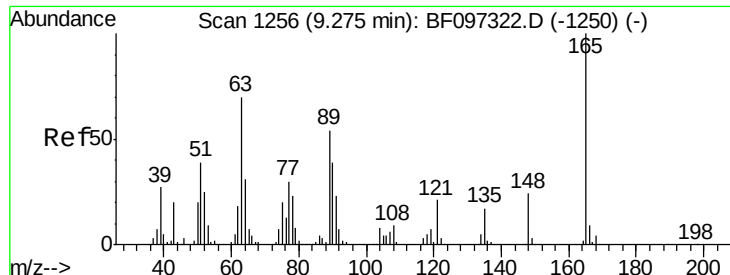
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	115.0
141	39.9	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 86.44 ng
 RT: 8.80 min Scan# 1192
 Delta R.T. -0.07 min
 Lab File: BF097360.D
 Acq: 4 Aug 2017 17:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.0	19.8	29.8

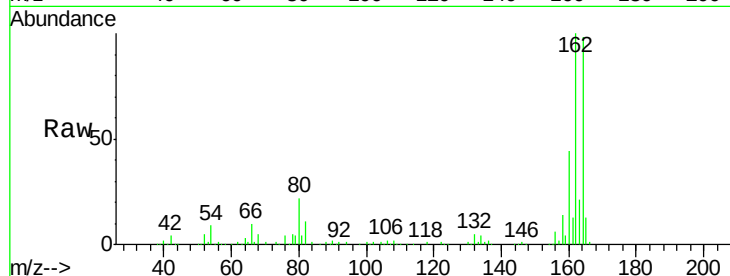




#50
 2,6-Dinitrotoluene
 Concen: 7.81 ng
 RT: 9.46 min Scan# 1304
 Delta R.T. 0.12 min
 Lab File: BF097360.D
 Acq: 4 Aug 2017 17:17

Instrument :
 BNA_F
 ClientSampleId :

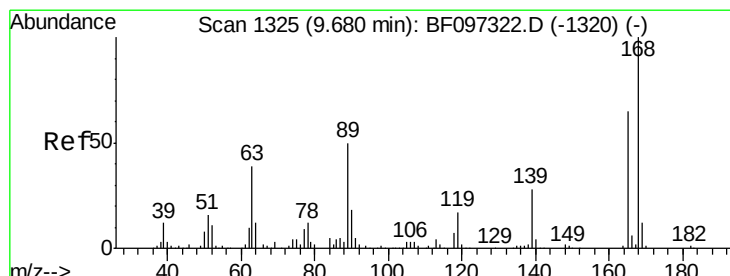
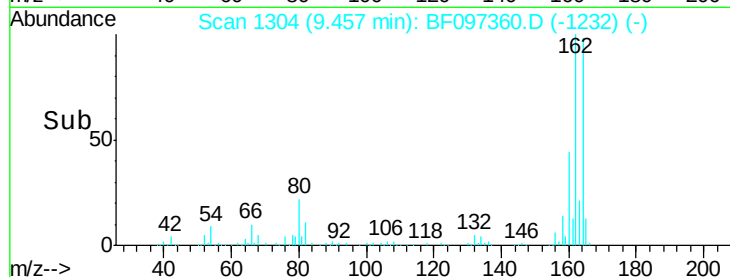
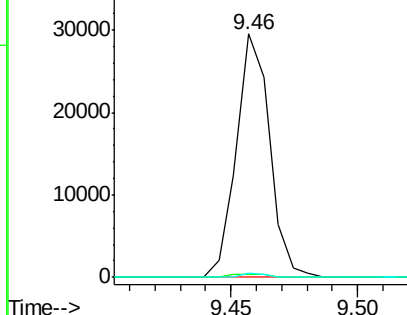
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.3	51.5#
89	1.7	37.1	55.7#



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: 6.79 ng
 RT: 9.46 min Scan# 1304
 Delta R.T. -0.28 min
 Lab File: BF097360.D
 Acq: 4 Aug 2017 17:17

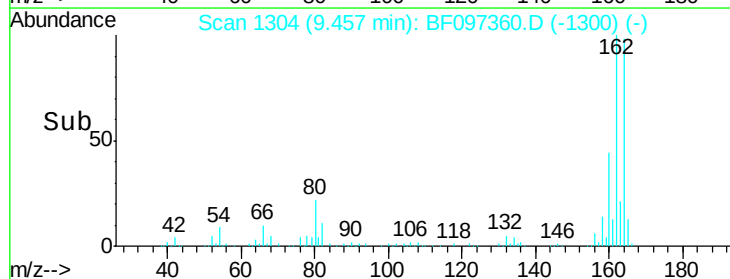
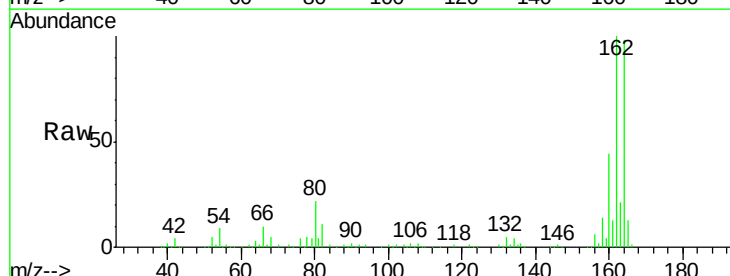
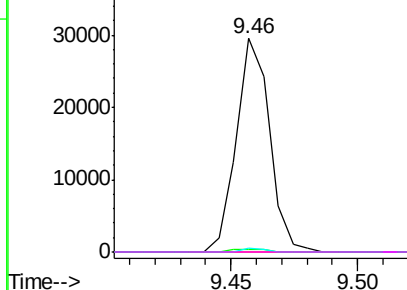
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#

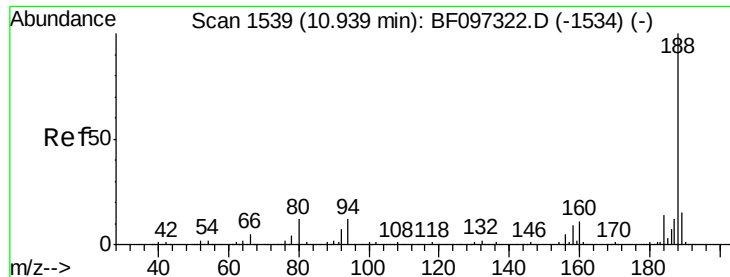
Abundance Ion 165.00 (164.70 to 165.70): E

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

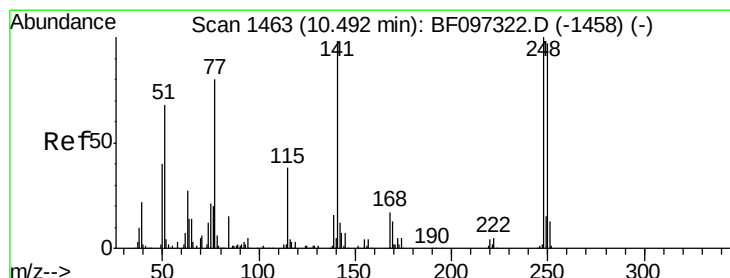
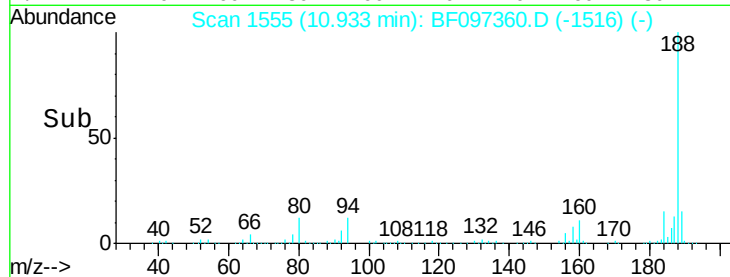
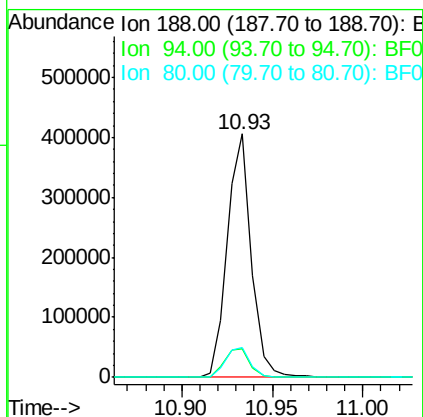
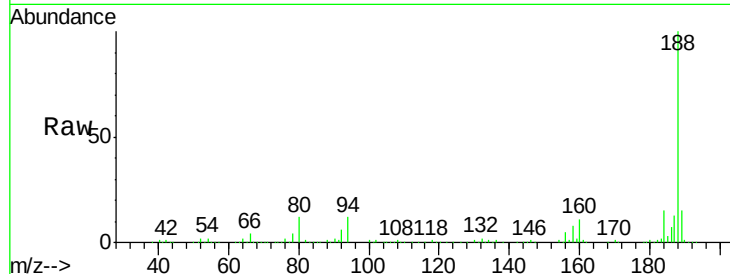




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.07 min
Lab File: BF097360.D
Acq: 4 Aug 2017 17:17

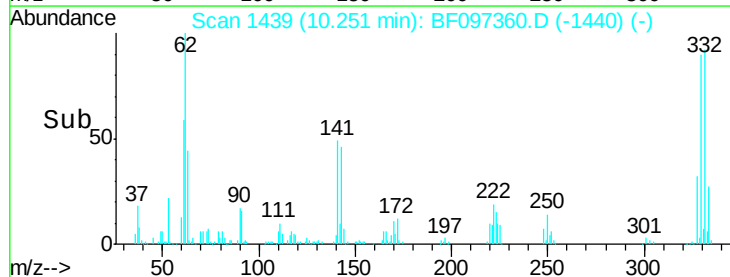
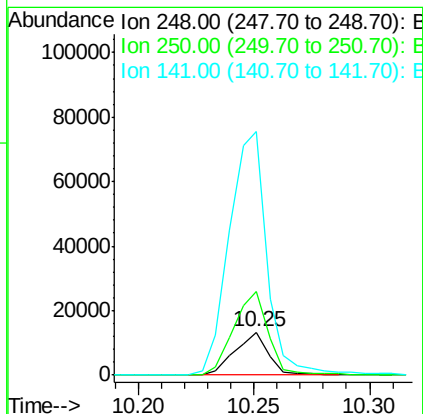
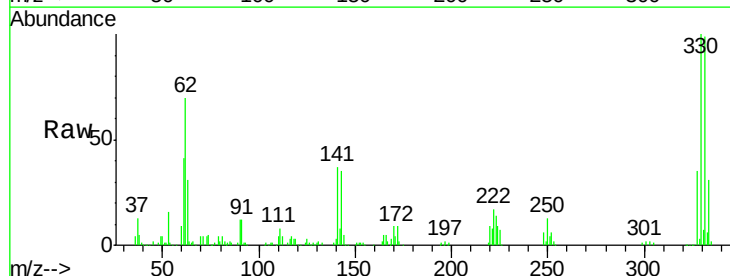
Instrument :
BNA_F
ClientSampleId :

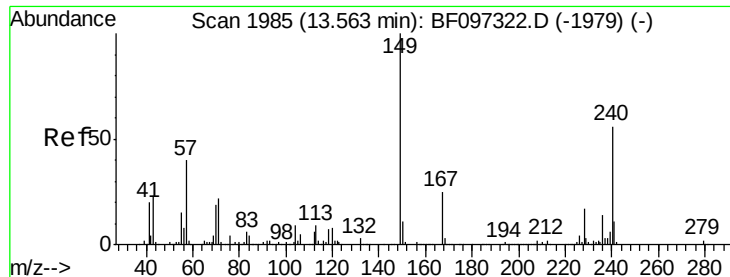
Tot Ion:188 Resp: 372778
Ion Ratio Lower Upper
188 100
94 11.5 9.4 14.2
80 12.1 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 3.62 ng
RT: 10.25 min Scan# 1439
Delta R.T. -0.31 min
Lab File: BF097360.D
Acq: 4 Aug 2017 17:17

Tgt Ion:248 Resp: 13479
Ion Ratio Lower Upper
248 100
250 196.3 76.8 115.2#
141 571.1 68.6 103.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.55 min Scan# 2000

Delta R.T. -0.08 min

Lab File: BF097360.D

Acq: 4 Aug 2017 17:17

Instrument :

BNA_F

ClientSampleId :

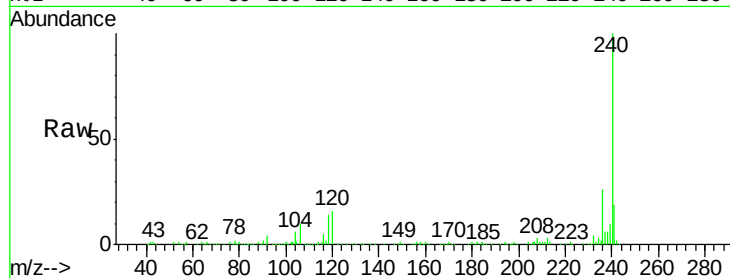
Tot Ion:240 Resp: 311713

Ion Ratio Lower Upper

240 100

120 16.0 5.8 8.8#

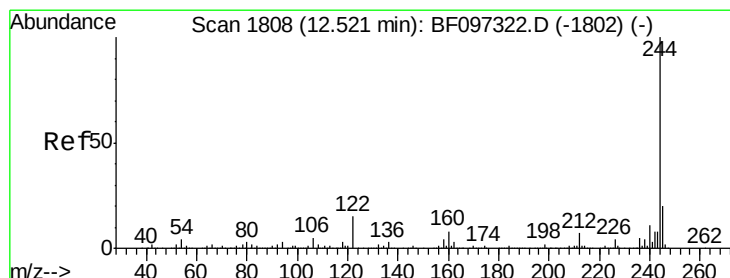
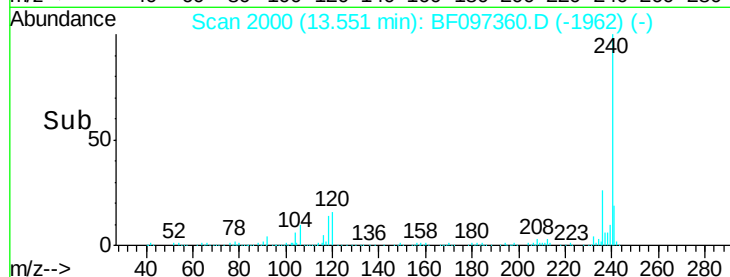
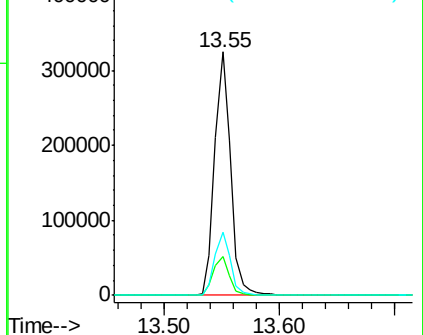
236 25.7 20.5 30.7



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: 62.20 ng

RT: 12.52 min Scan# 1824

Delta R.T. -0.07 min

Lab File: BF097360.D

Acq: 4 Aug 2017 17:17

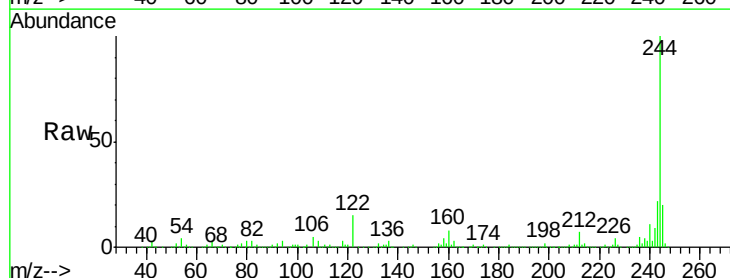
Tgt Ion:244 Resp: 950991

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

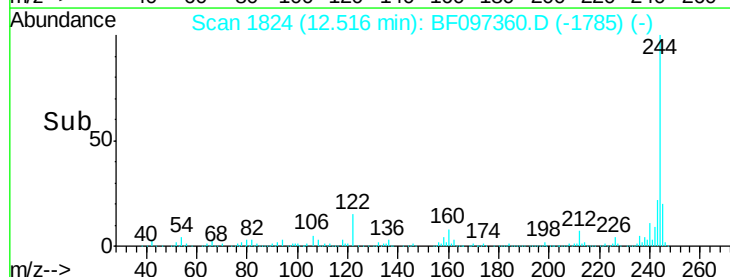
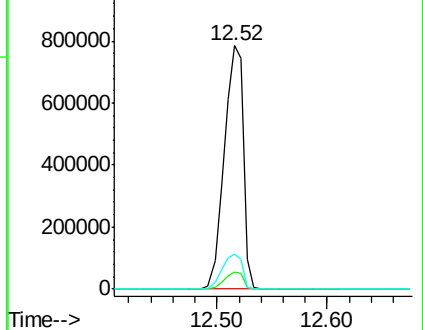
122 14.5 10.3 15.5

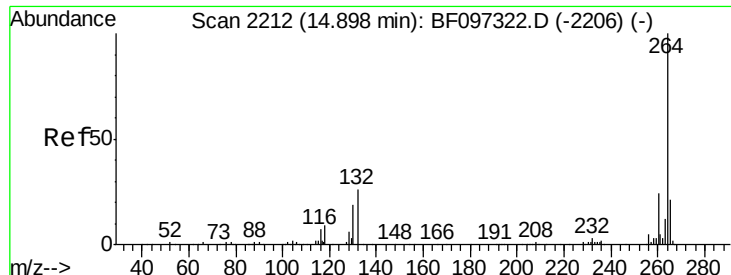


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

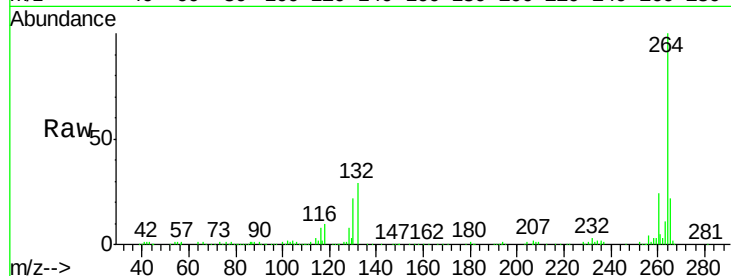




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.89 min Scan# 2227
Delta R.T. -0.09 min
Lab File: BF097360.D
Acq: 4 Aug 2017 17:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.5	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

