

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102816\
 Data File : BF090911.D
 Acq On : 28 Oct 2016 16:38
 Operator : UM/SJ
 Sample : H5451-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 28 17:28:48 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 28 15:18:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	159774	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	642428	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	336633	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	560031	20.00	ng	0.00
75) Chrysene-d12	13.93	240	443601	20.00	ng	0.00
86) Perylene-d12	15.33	264	324140	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1217537	133.24	ng	0.01
7) Phenol-d6	6.41	99	1382130	112.11	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1145423	116.72	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	472131	136.47	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1684611	87.87	ng	-0.01
78) Terphenyl-d14	12.88	244	1865037	105.92	ng	0.00

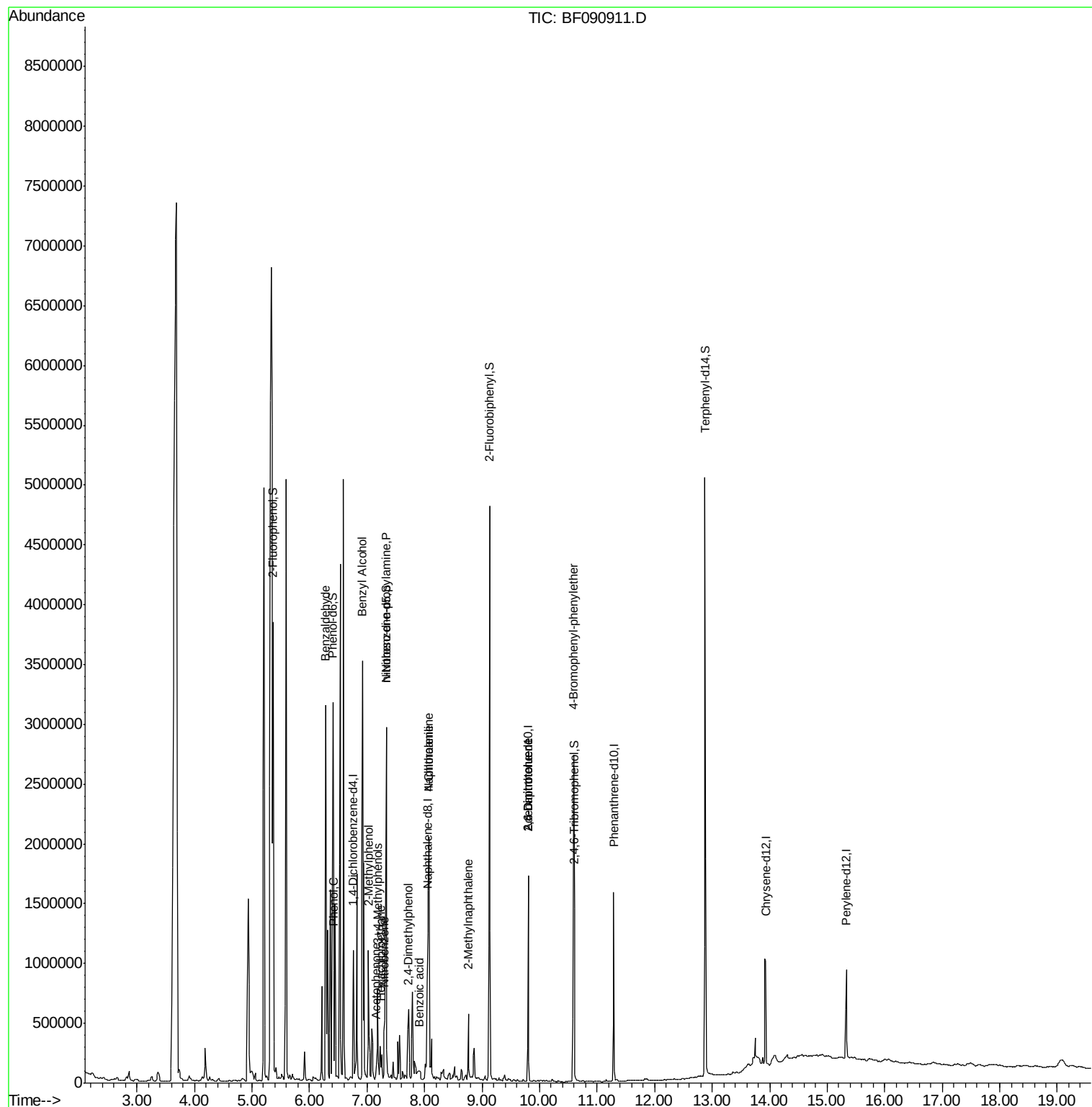
Target Compounds						Qvalue
9) Benzaldehyde	6.28	77	154075	24.20	ng	# 1
10) Phenol	6.42	94	62044	4.57	ng	# 51
15) Benzyl Alcohol	6.92	79	28893	3.57	ng	# 37
17) 2-Methylphenol	7.02	107	165299	19.28	ng	# 83
18) Hexachloroethane	7.23	117	15888	3.60	ng	# 1
19) n-Nitroso-di-n-propylamine	7.33	70	164026	23.01	ng	# 52
20) 3+4-Methylphenols	7.18	107	228806	23.05	ng	# 87
22) Acetophenone	7.16	105	55559	4.20	ng	# 50
24) Nitrobenzene	7.30	77	24916	2.40	ng	# 2
27) 2,4-Dimethylphenol	7.71	122	82238	9.13	ng	# 79
31) Naphthalene	8.08	128	1238406	41.24	ng	# 97
32) Benzoic acid	7.90	122	15800	2.42	ng	# 45
33) 4-Chloroaniline	8.08	127	169419	13.96	ng	# 35
37) 2-Methylnaphthalene	8.76	142	146307	7.54	ng	# 90
50) 2,6-Dinitrotoluene	9.80	165	43958	8.85	ng	# 39
56) 2,4-Dinitrotoluene	9.80	165	43951	7.12	ng	# 33
66) 4-Bromophenyl-phenylether	10.59	248	28057	4.57	ng	# 1

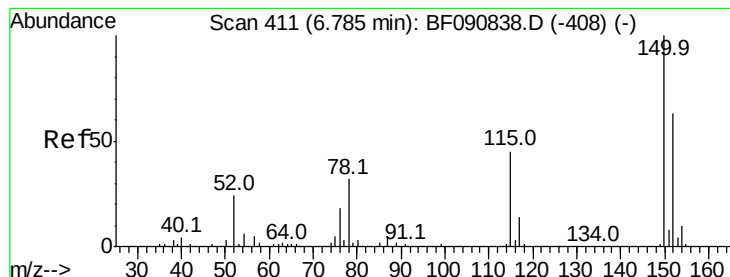
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. 0.00 min

Lab File: BF090911.D

Acq: 28 Oct 2016 16:38

Instrument :

BNA_F

ClientSampleId :

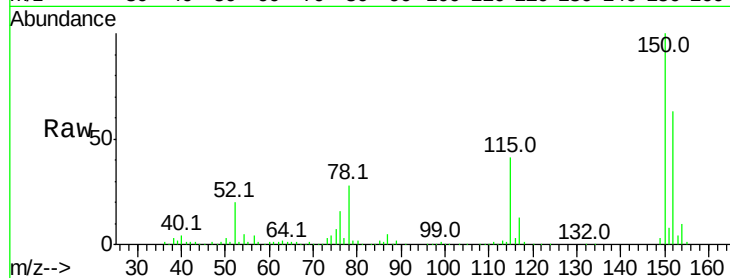
Tot Ion:152 Resp: 159774

Ion Ratio Lower Upper

152 100

150 157.5 124.7 187.1

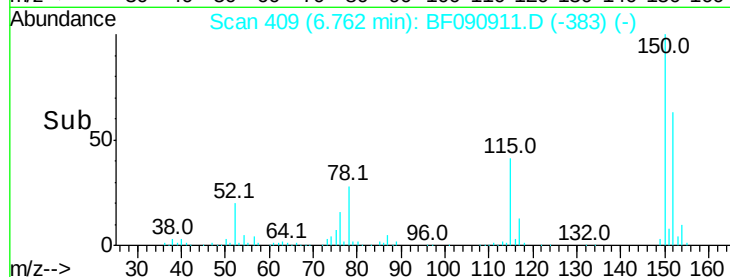
115 64.1 39.0 58.4#



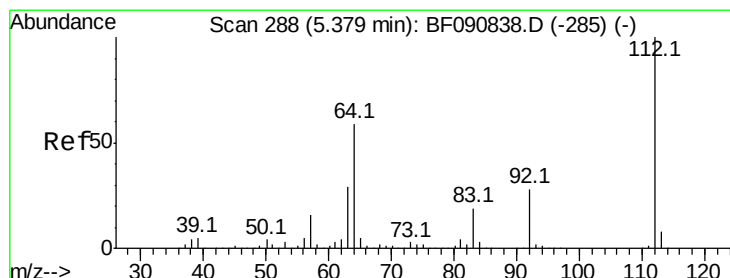
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 133.24 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.01 min

Lab File: BF090911.D

Acq: 28 Oct 2016 16:38

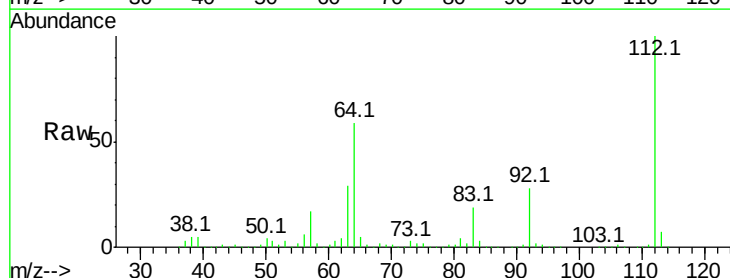
Tgt Ion:112 Resp: 1217537

Ion Ratio Lower Upper

112 100

64 58.8 39.7 59.5

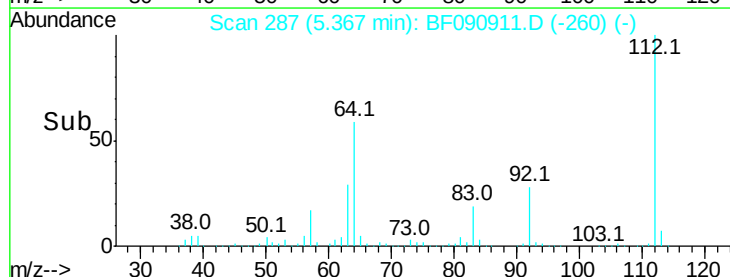
63 29.5 17.4 26.0#



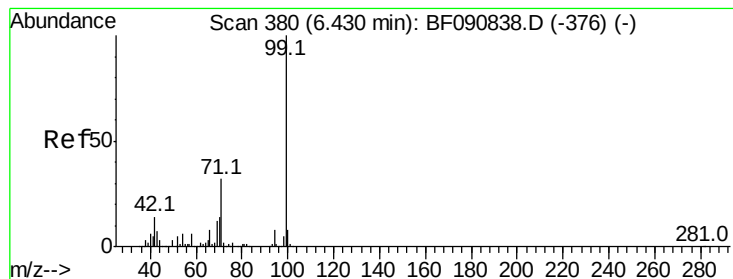
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->



#7

Phenol-d6

Concen: 112.11 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF090911.D

Acq: 28 Oct 2016 16:38

Instrument :

BNA_F

ClientSampleId :

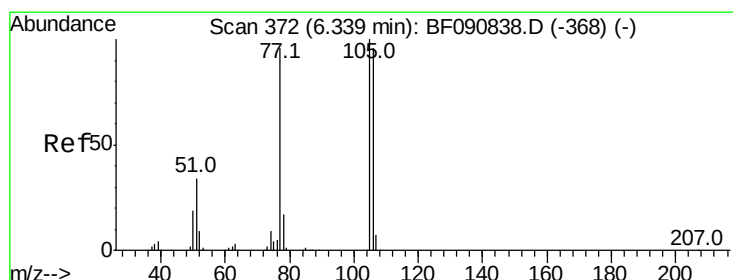
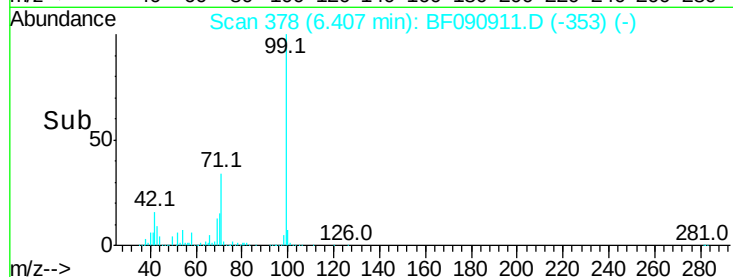
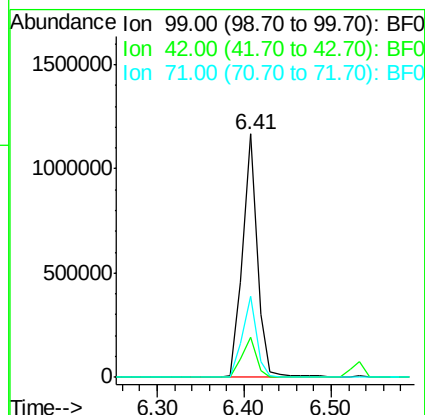
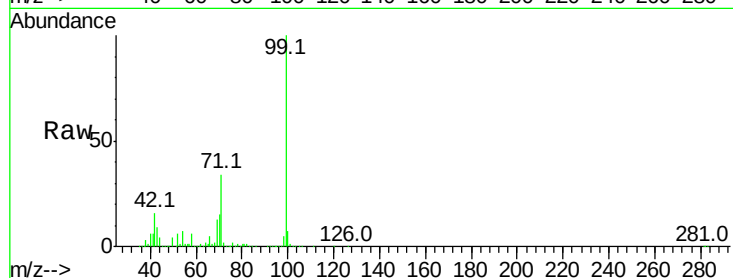
Tot Ion: 99 Resp: 1382130

Ion Ratio Lower Upper

99 100

42 16.4 13.7 20.5

71 33.5 14.2 21.2#



#9

Benzaldehyde

Concen: 24.20 ng

RT: 6.28 min Scan# 367

Delta R.T. -0.02 min

Lab File: BF090911.D

Acq: 28 Oct 2016 16:38

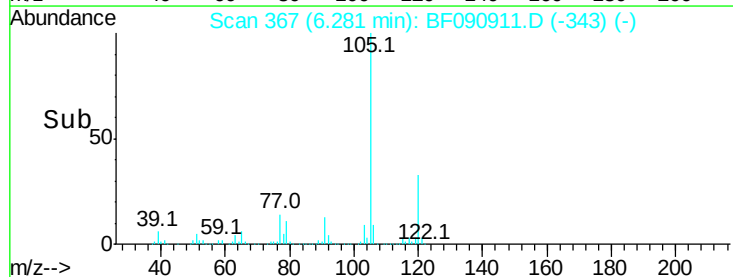
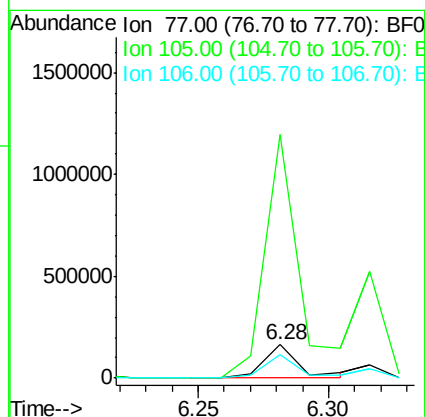
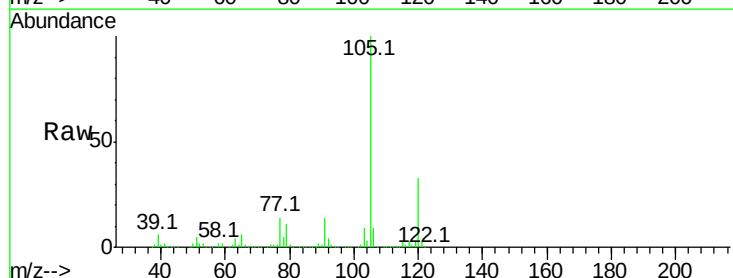
Tgt Ion: 77 Resp: 154075

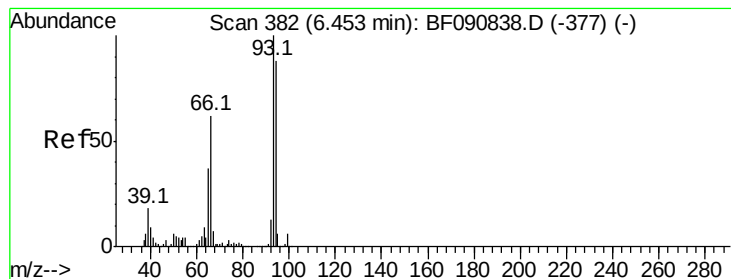
Ion Ratio Lower Upper

77 100

105 726.8 91.6 131.6#

106 68.3 102.6 142.6#





#10

Phenol

Concen: 4.57 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF090911.D

Acq: 28 Oct 2016 16:38

Instrument :

BNA_F

ClientSampleId :

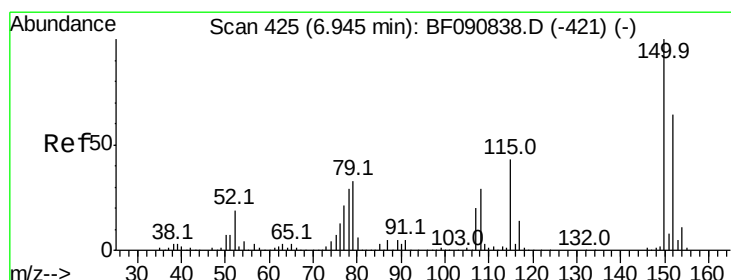
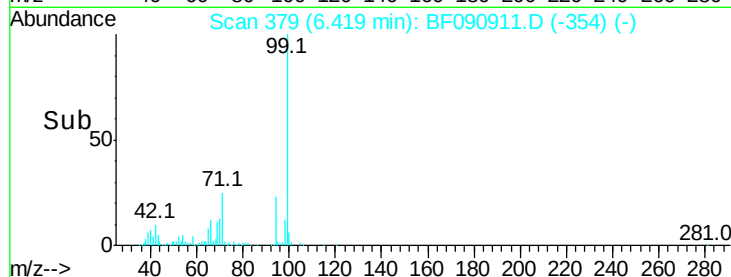
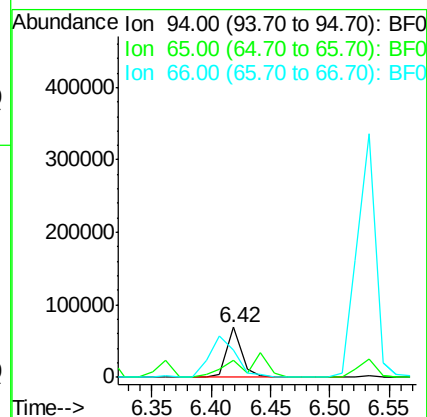
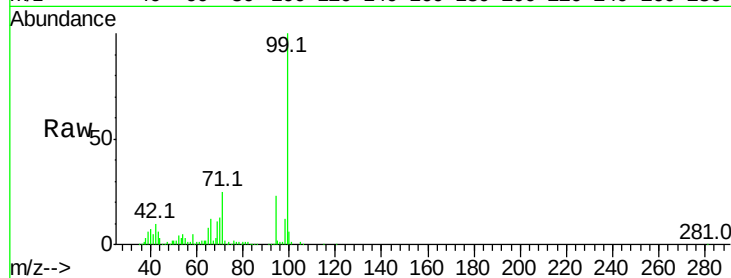
Tot Ion: 94 Resp: 62044

Ion Ratio Lower Upper

94 100

65 33.3 0.7 40.7

66 53.8 0.8 40.8#



#15

Benzyl Alcohol

Concen: 3.57 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF090911.D

Acq: 28 Oct 2016 16:38

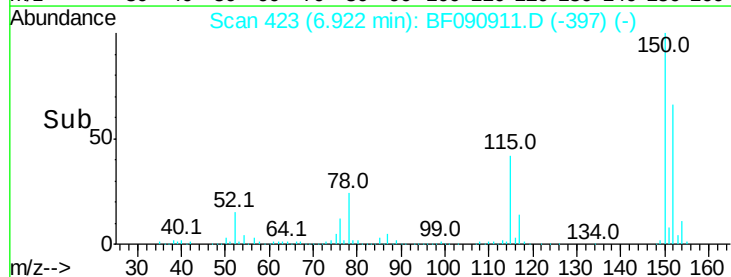
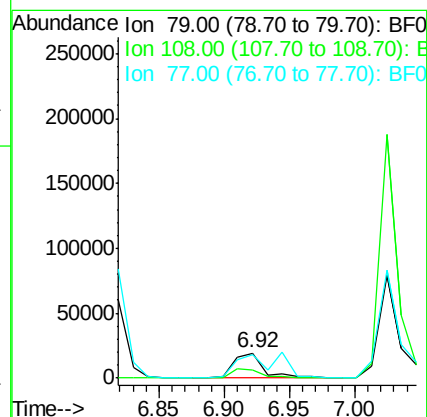
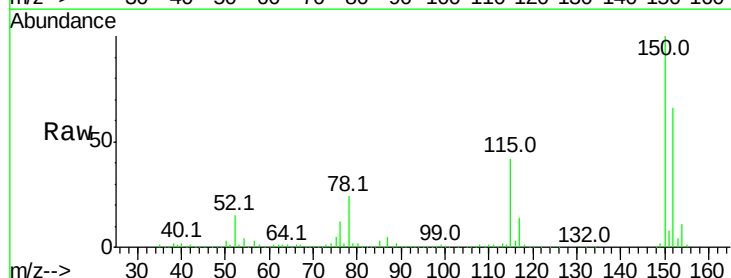
Tgt Ion: 79 Resp: 28893

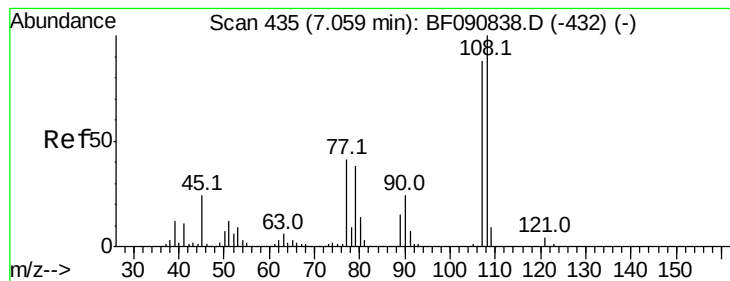
Ion Ratio Lower Upper

79 100

108 35.1 88.6 132.8#

77 94.7 47.0 70.4#





#17

2-Methylphenol

Concen: 19.28 ng

RT: 7.02 min Scan# 432

Delta R.T. -0.01 min

Lab File: BF090911.D

Acq: 28 Oct 2016 16:38

Instrument :

BNA_F

ClientSampled :

Tot Ion:107 Resp: 165299

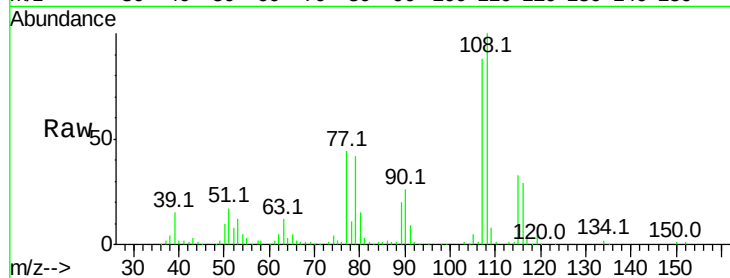
Ion Ratio Lower Upper

107 100

108 113.9 96.6 145.0

77 50.4 23.3 34.9#

79 47.9 22.0 33.0#

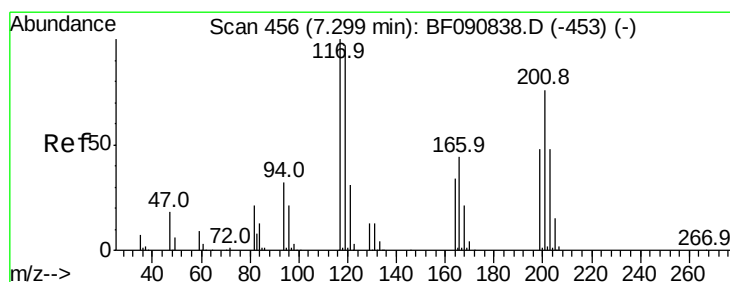
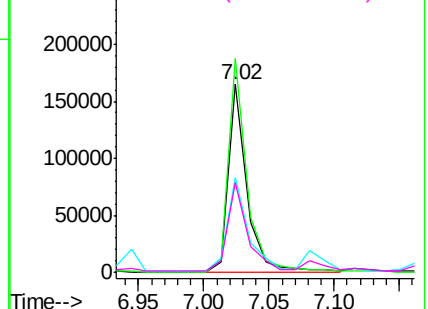
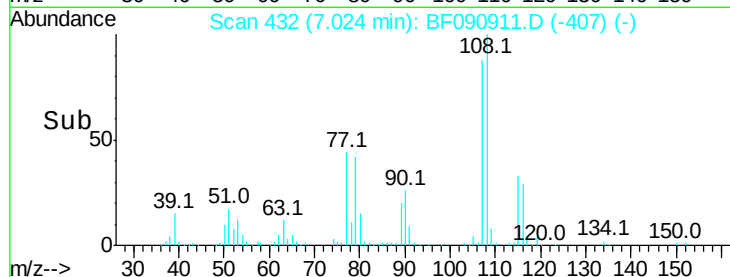


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 3.60 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.05 min

Lab File: BF090911.D

Acq: 28 Oct 2016 16:38

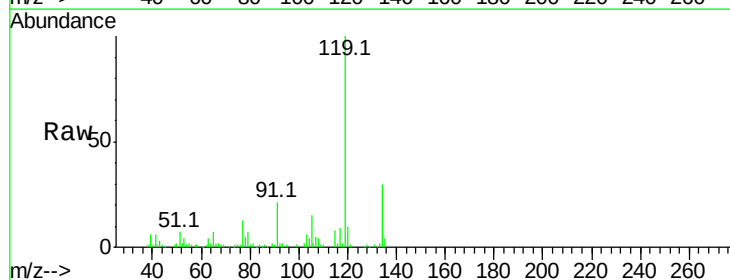
Tgt Ion:117 Resp: 15888

Ion Ratio Lower Upper

117 100

119 1092.4 83.8 125.6#

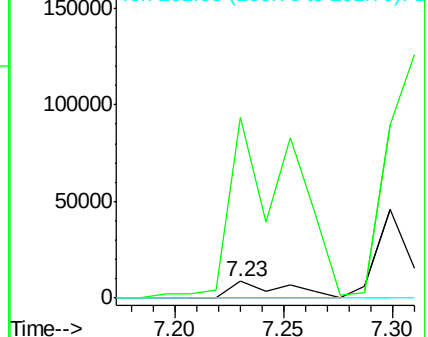
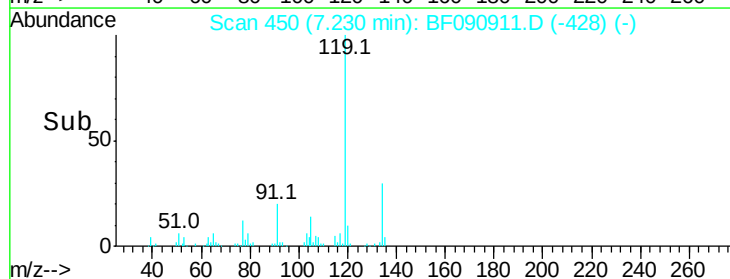
201 0.0 55.1 82.7#

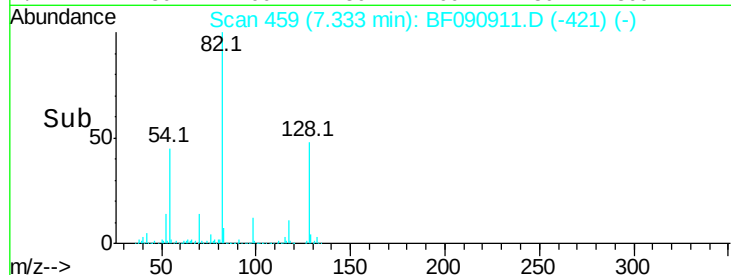
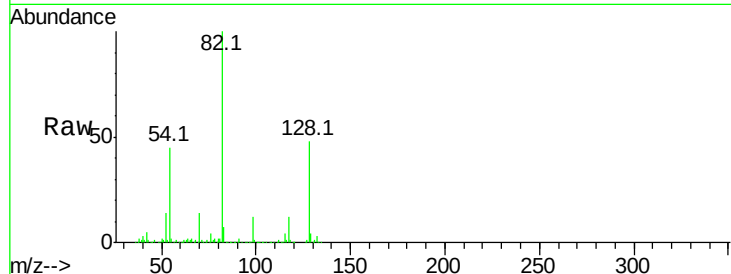
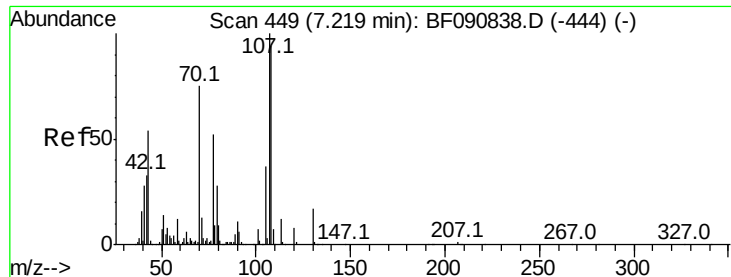


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

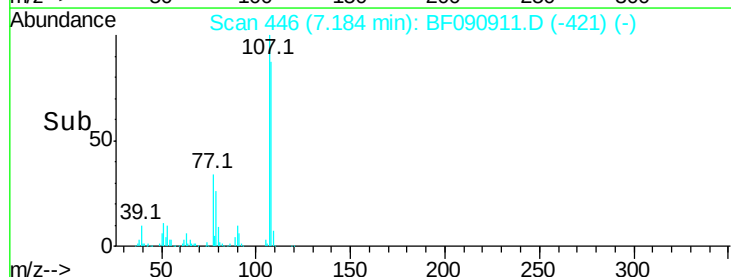
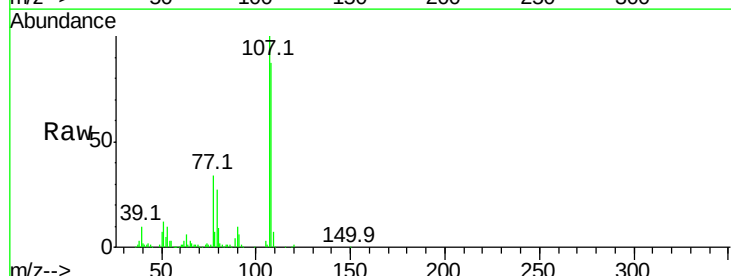
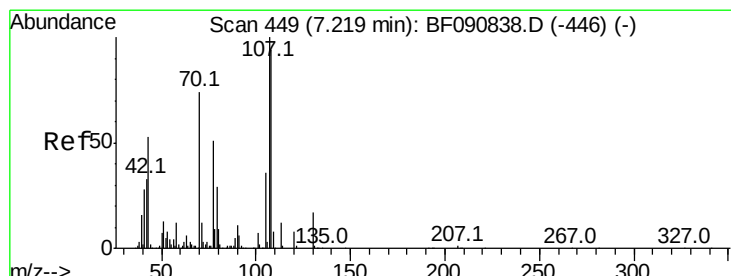
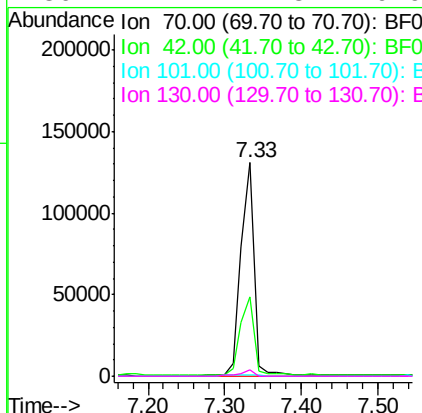




#19
n-Nitroso-di-n-propylamine
Concen: 23.01 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.14 min
Lab File: BF090911.D
Acq: 28 Oct 2016 16:38

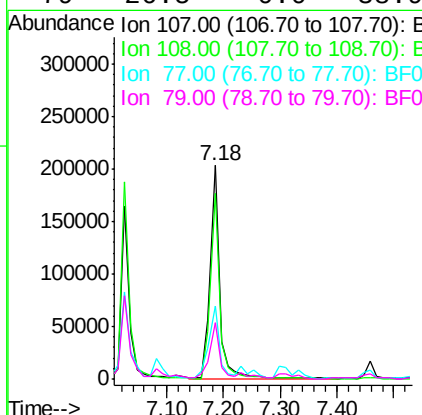
Instrument :
BNA_F
ClientSampled :

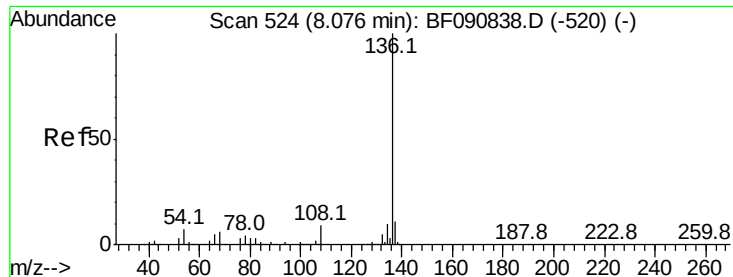
Tot Ion:	70	Resp:	164026
Ion	Ratio	Lower	Upper
70	100		
42	37.0	63.8	95.6#
101	0.9	9.2	13.8#
130	2.7	27.3	40.9#



#20
3+4-Methylphenols
Concen: 23.05 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF090911.D
Acq: 28 Oct 2016 16:38

Tgt Ion:	107	Resp:	228806
Ion	Ratio	Lower	Upper
107	100		
108	86.6	74.6	114.6
77	34.1	0.7	40.7
79	26.5	0.0	38.9

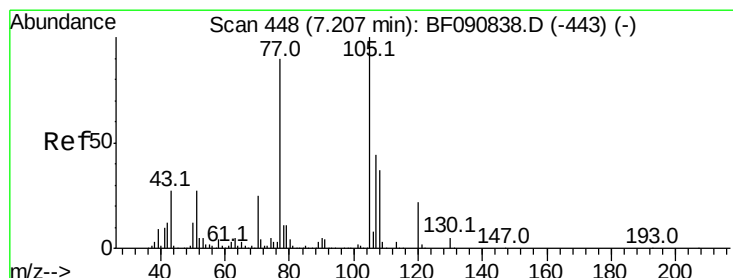
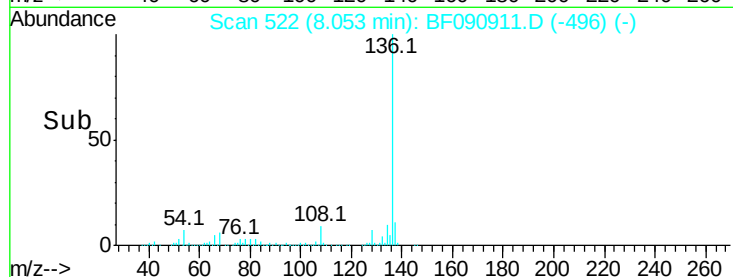
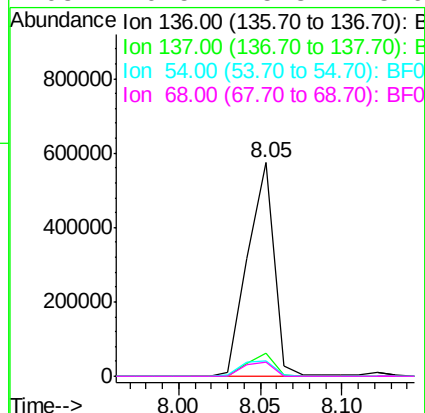
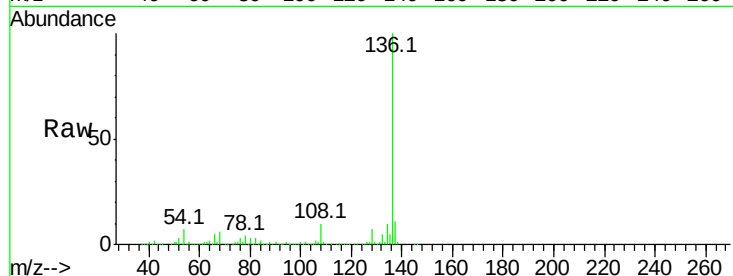




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. 0.00 min
Lab File: BF090911.D
Acq: 28 Oct 2016 16:38

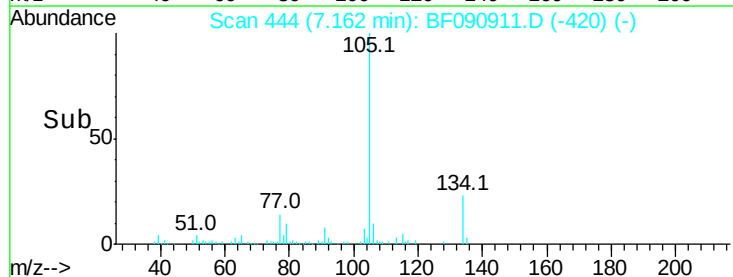
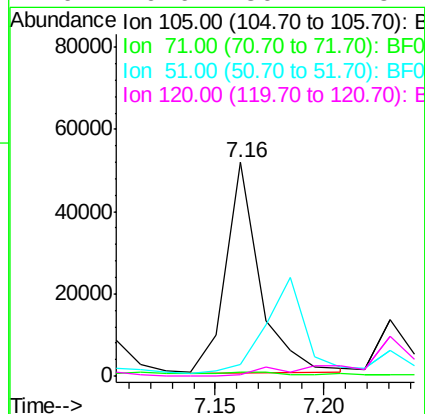
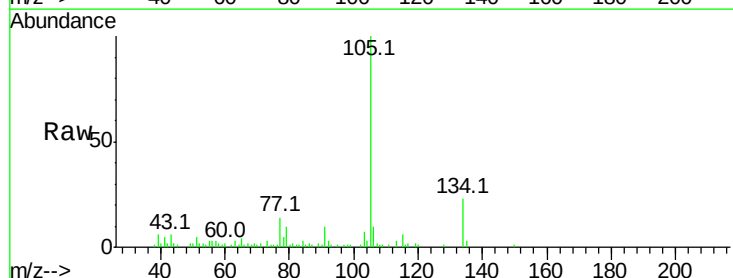
Instrument :
BNA_F
ClientSampleId :

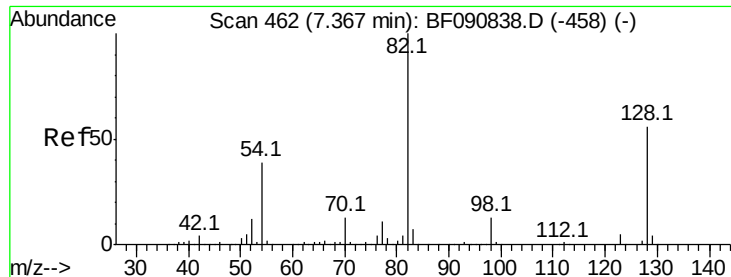
Tot Ion:136	Resp: 642428
Ion Ratio	Lower Upper
136 100	
137 10.9	9.0 13.6
54 6.9	8.2 12.2#
68 6.5	5.8 8.6



#22
Acetophenone
Concen: 4.20 ng
RT: 7.16 min Scan# 444
Delta R.T. -0.02 min
Lab File: BF090911.D
Acq: 28 Oct 2016 16:38

Tgt	Ion:105	Resp:	55559
Ion	Ratio	Lower	Upper
105	100		
71	1.8	4.7	7.1#
51	5.2	22.0	33.0#
120	0.6	30.1	45.1#

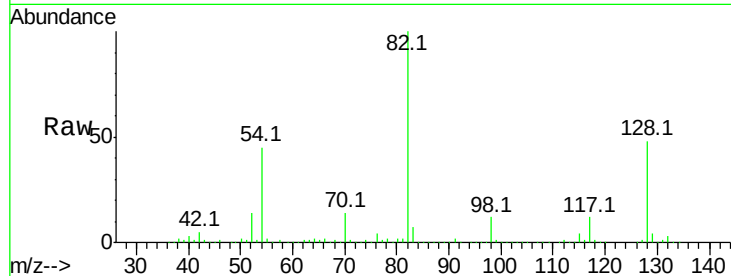




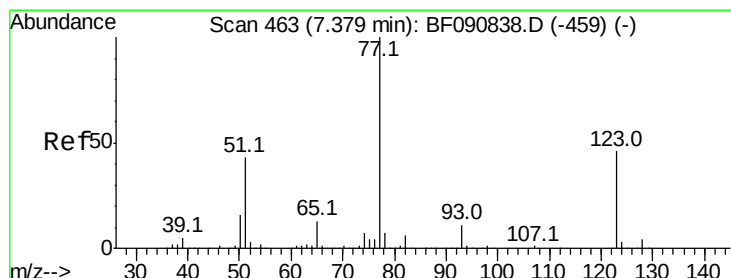
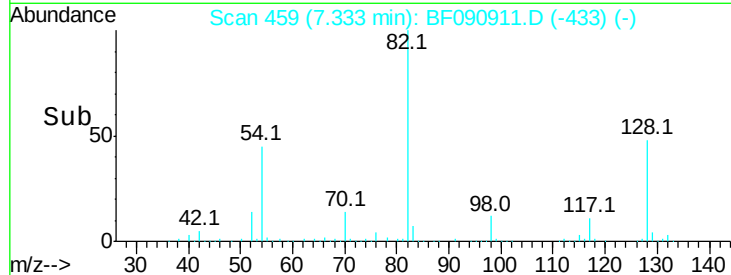
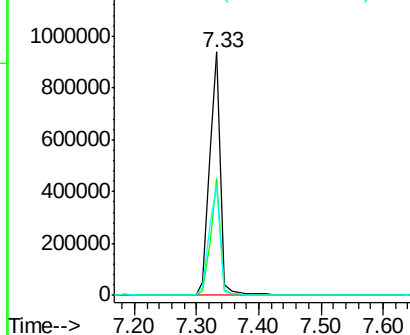
#23
 Nitrobenzene-d5
 Concen: 116.72 ng
 RT: 7.33 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: BF090911.D
 Acq: 28 Oct 2016 16:38

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 1145423
 Ion Ratio Lower Upper
 82 100
 128 47.9 51.0 76.6#
 54 45.0 47.5 71.3#

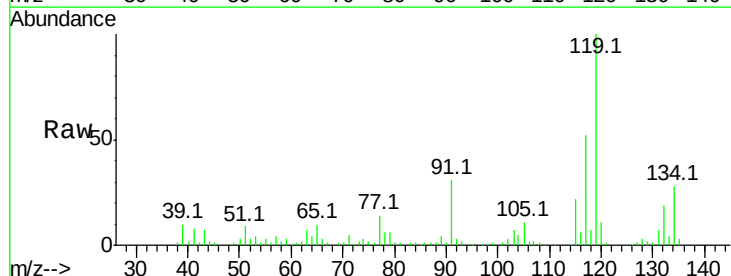


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

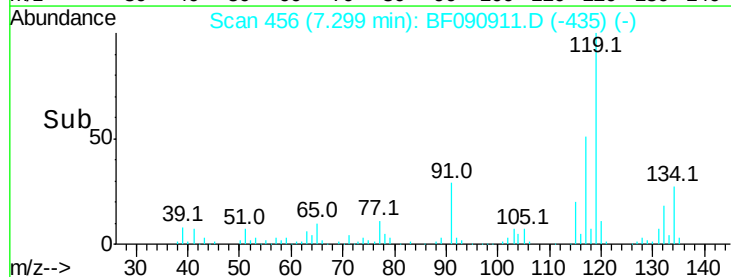
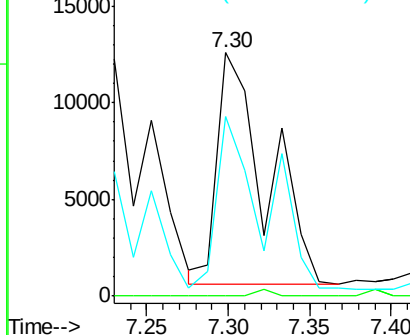


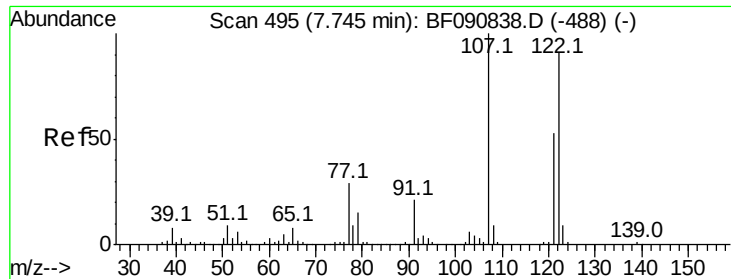
#24
 Nitrobenzene
 Concen: 2.40 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.06 min
 Lab File: BF090911.D
 Acq: 28 Oct 2016 16:38

Tgt Ion: 77 Resp: 24916
 Ion Ratio Lower Upper
 77 100
 123 0.0 59.8 89.8#
 65 73.9 10.2 15.4#



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 9.13 ng

RT: 7.71 min Scan# 492

Delta R.T. -0.01 min

Lab File: BF090911.D

Acq: 28 Oct 2016 16:38

Instrument :

BNA_F

ClientSampled :

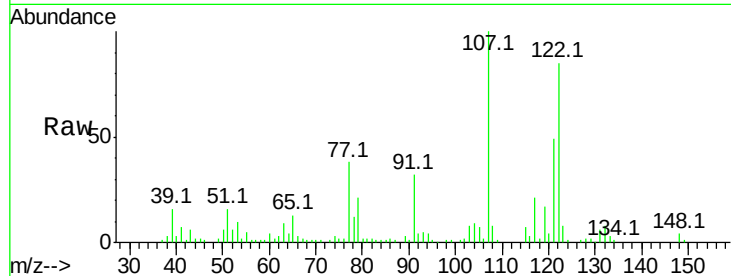
Tot Ion:122 Resp: 82238

Ion Ratio Lower Upper

122 100

107 118.1 71.8 107.6#

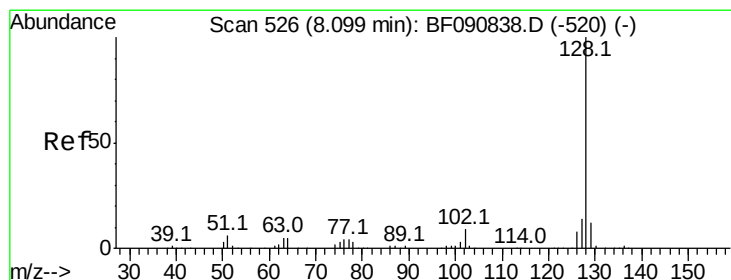
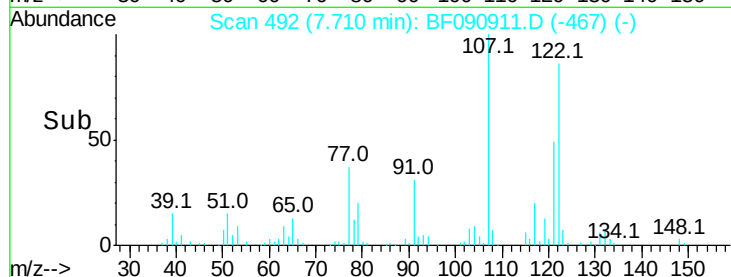
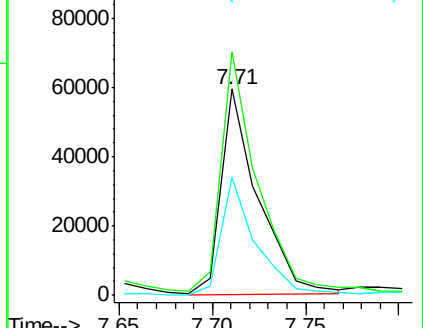
121 57.3 42.3 63.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 41.24 ng

RT: 8.08 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF090911.D

Acq: 28 Oct 2016 16:38

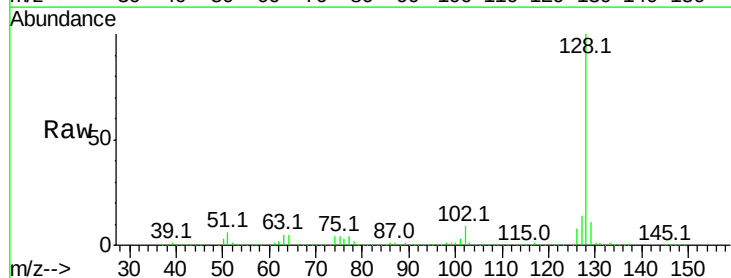
Tgt Ion:128 Resp: 1238406

Ion Ratio Lower Upper

128 100

129 11.2 8.4 12.6

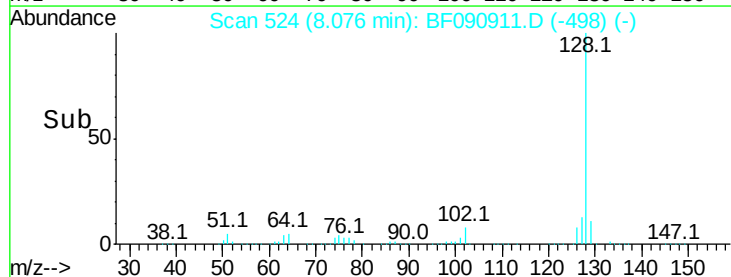
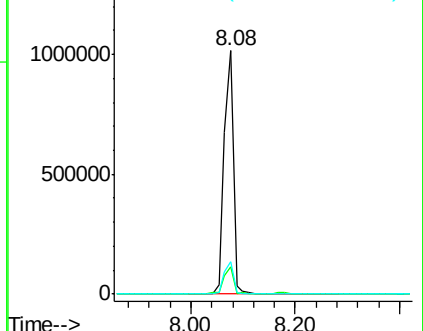
127 13.5 9.9 14.9

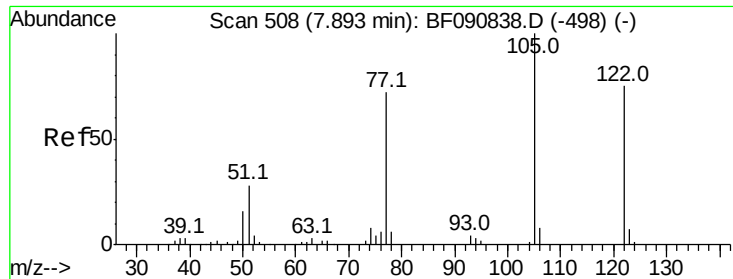


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

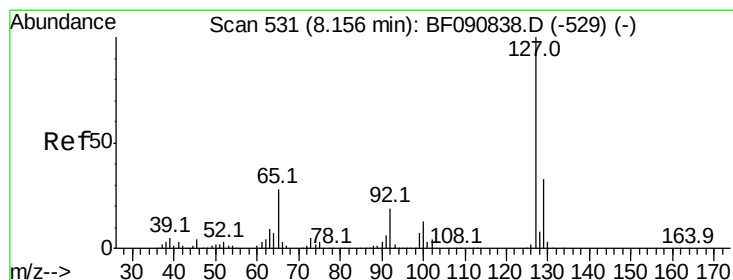
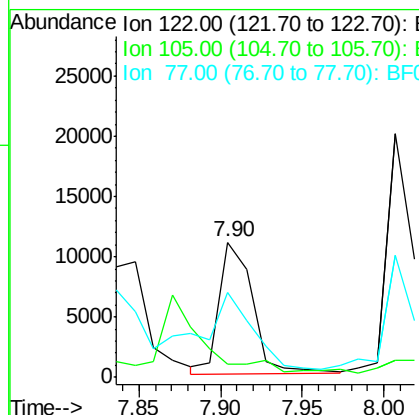
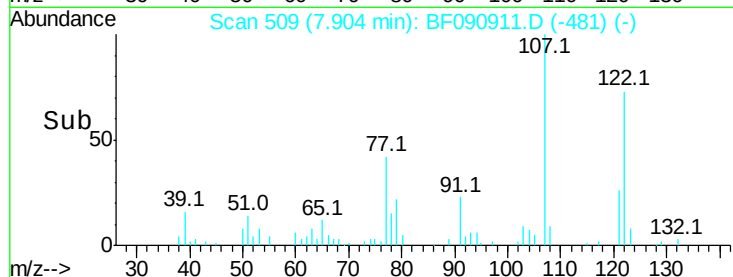
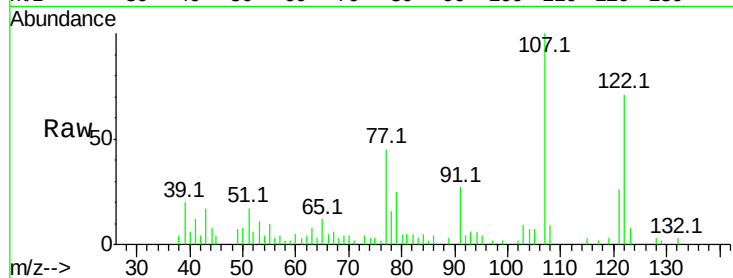




#32
Benzoic acid
Concen: 2.42 ng
RT: 7.90 min Scan# 509
Delta R.T. 0.02 min
Lab File: BF090911.D
Acq: 28 Oct 2016 16:38

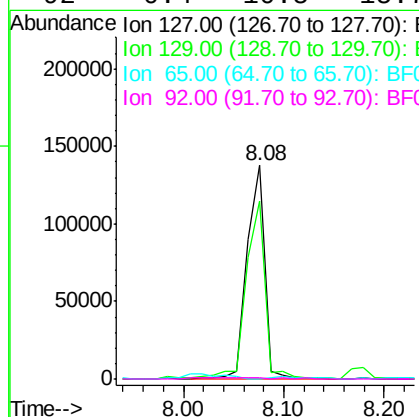
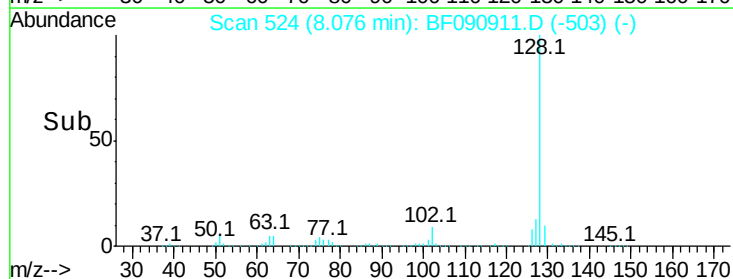
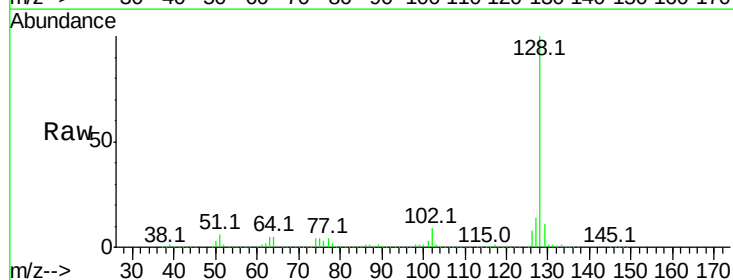
Instrument :
BNA_F
ClientSampled :

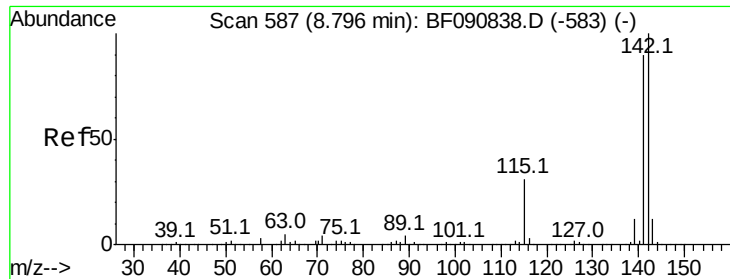
Tot Ion:122 Resp: 15800
Ion Ratio Lower Upper
122 100
105 10.0 76.1 116.1#
77 63.0 40.5 80.5



#33
4-Chloroaniline
Concen: 13.96 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.06 min
Lab File: BF090911.D
Acq: 28 Oct 2016 16:38

Tgt Ion:127 Resp: 169419
Ion Ratio Lower Upper
127 100
129 83.0 25.8 38.6#
65 0.0 17.9 26.9#
92 0.4 10.5 15.7#

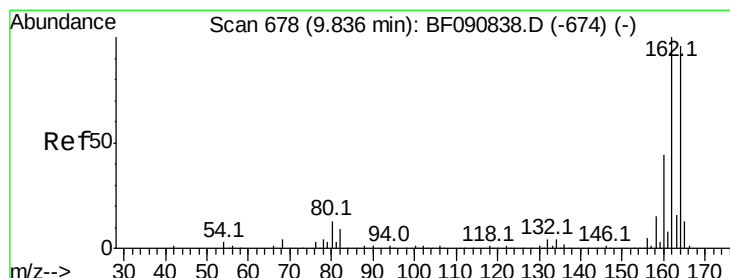
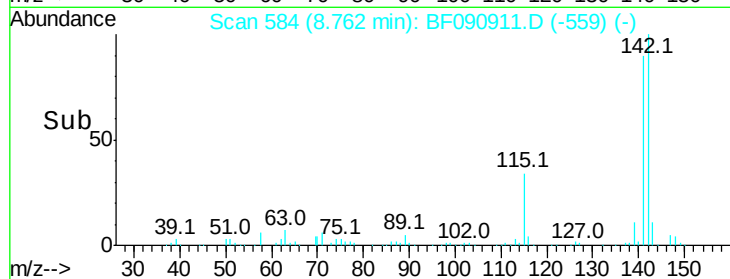
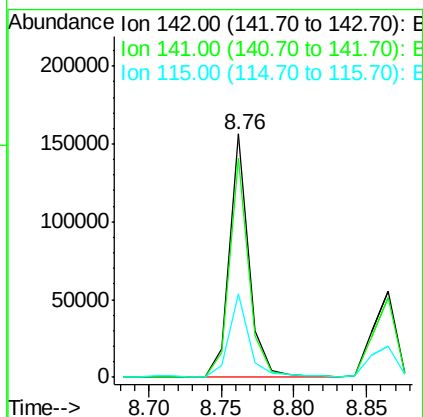
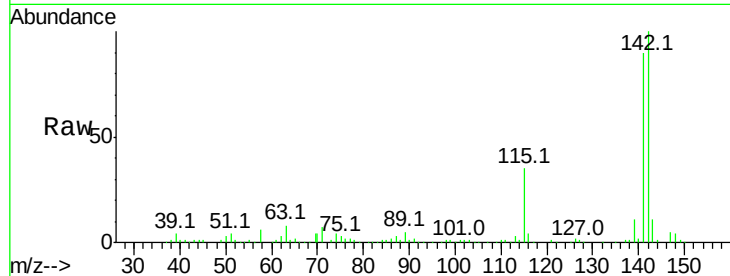




#37
2-Methylnaphthalene
Concen: 7.54 ng
RT: 8.76 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF090911.D
Acq: 28 Oct 2016 16:38

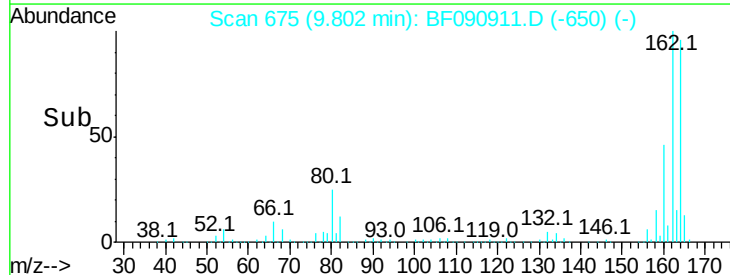
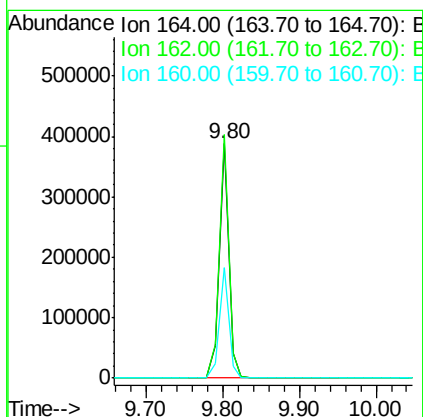
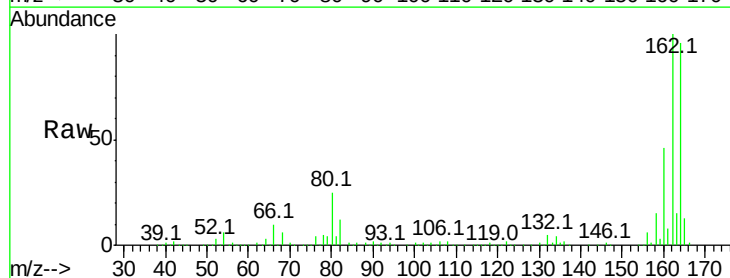
Instrument :
BNA_F
ClientSampleId :

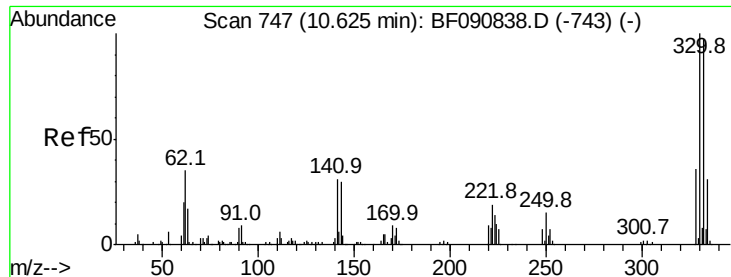
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	67.5	101.3
115	34.6	18.2	27.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF090911.D
Acq: 28 Oct 2016 16:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	75.2	112.8
160	47.4	31.5	47.3#

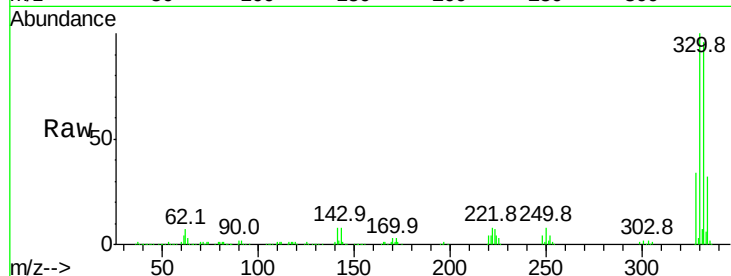




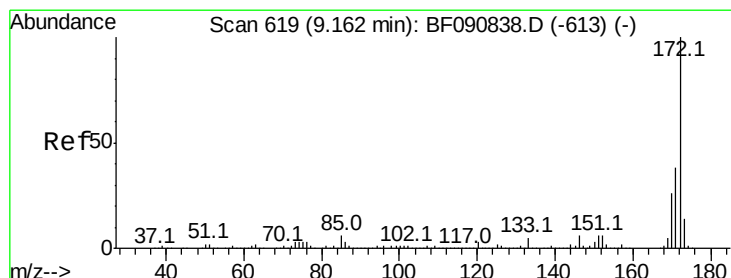
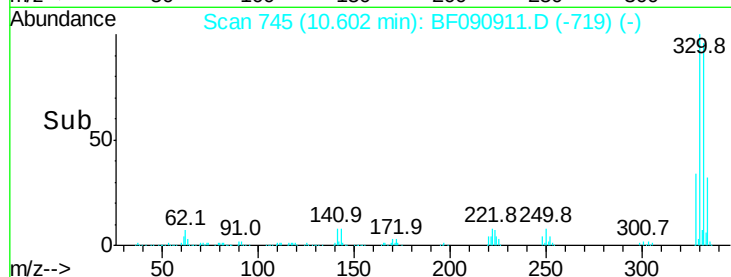
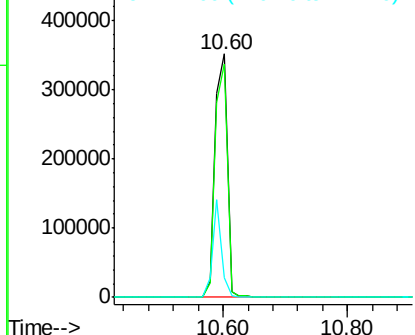
#41
 2,4,6-Tribromophenol
 Concen: 136.47 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF090911.D
 Acq: 28 Oct 2016 16:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 472131
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 114.8
 141 30.1 29.7 44.5

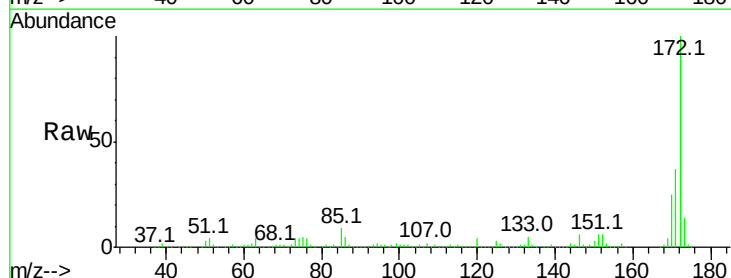


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

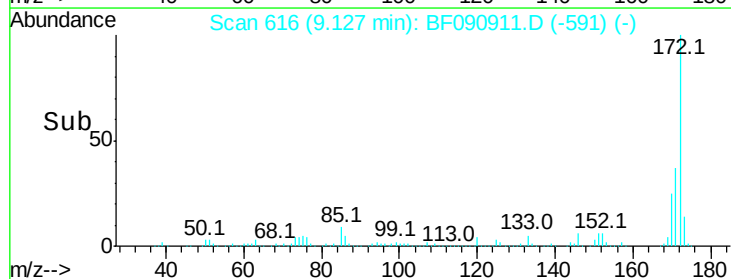
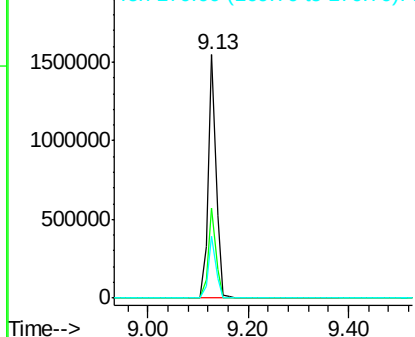


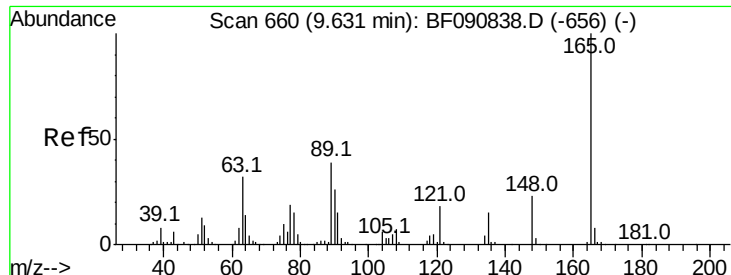
#44
 2-Fluorobiphenyl
 Concen: 87.87 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF090911.D
 Acq: 28 Oct 2016 16:38

Tgt Ion:172 Resp: 1684611
 Ion Ratio Lower Upper
 172 100
 171 37.1 26.1 39.1
 170 25.4 17.4 26.2



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: 8.85 ng

RT: 9.80 min Scan# 675

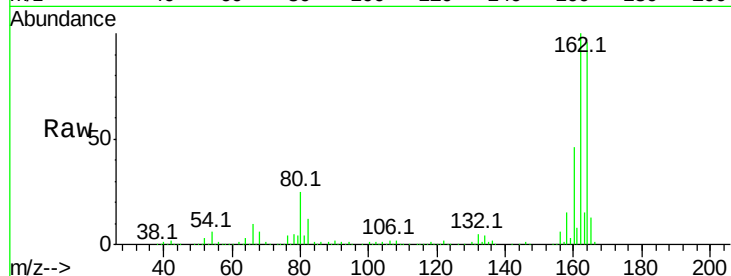
Delta R.T. 0.19 min

Lab File: BF090911.D

Acq: 28 Oct 2016 16:38

Instrument :
BNA_F
ClientSampleId :

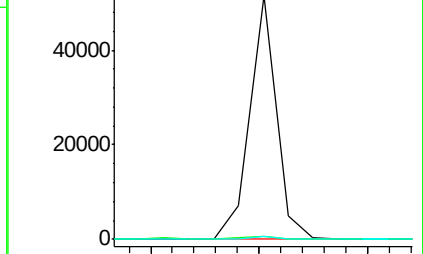
Tot Ion:165	Resp:	43958
Ion Ratio	Lower	Upper
165 100		
63 1.2	32.3	48.5#
89 1.3	28.6	43.0#



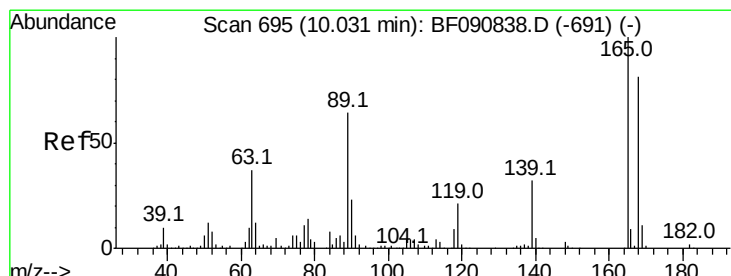
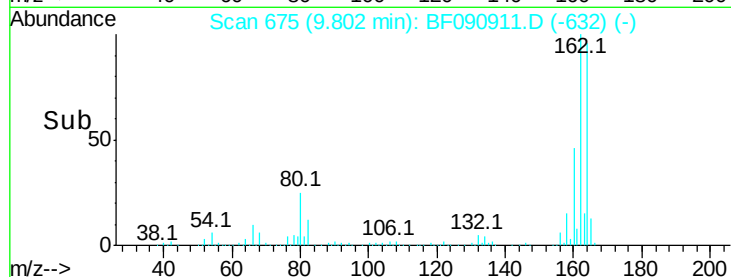
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



Time-->



#56

2,4-Dinitrotoluene

Concen: 7.12 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.21 min

Lab File: BF090911.D

Acq: 28 Oct 2016 16:38

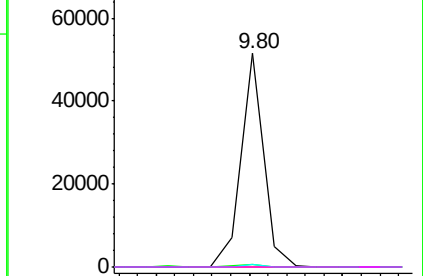
Tgt Ion:165	Resp:	43951
Ion Ratio	Lower	Upper
165 100		
63 1.2	29.8	44.6#
89 1.3	44.5	66.7#
182 0.0	3.0	4.4#

Abundance Ion 165.00 (164.70 to 165.70): E

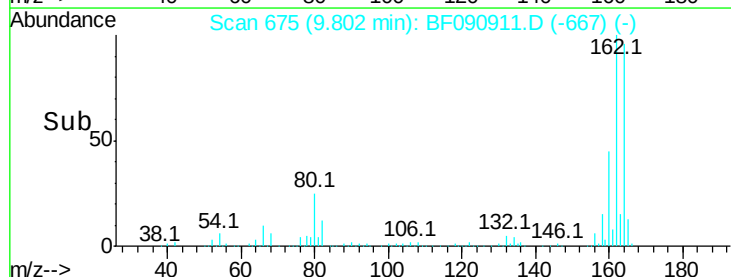
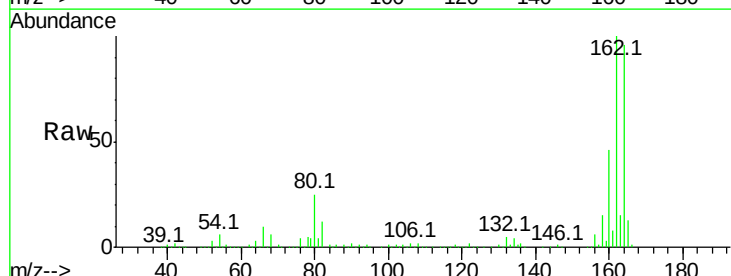
Ion 63.00 (62.70 to 63.70): BF0

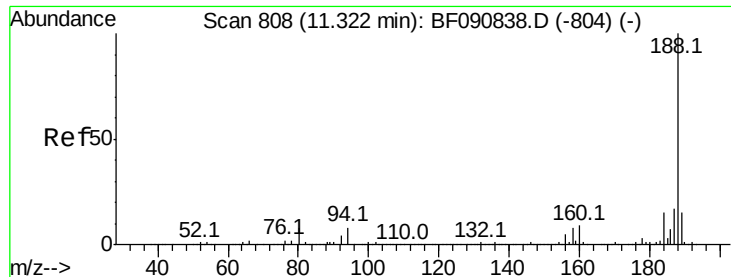
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->

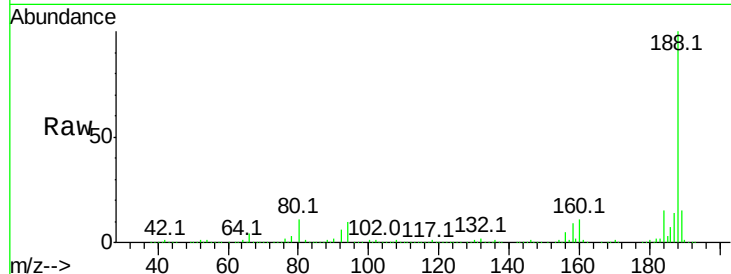




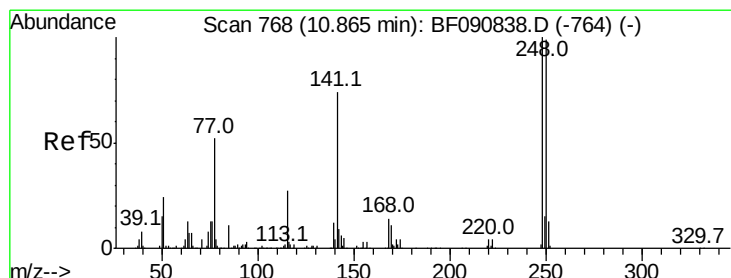
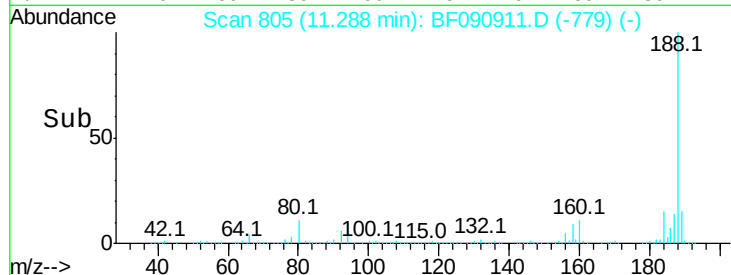
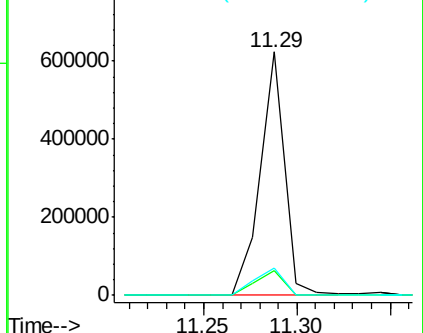
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF090911.D
 Acq: 28 Oct 2016 16:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 560031
 Ion Ratio Lower Upper
 188 100
 94 10.4 11.1 16.7#
 80 11.3 11.0 16.4

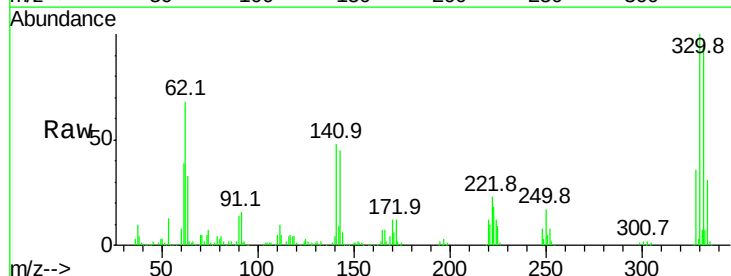


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

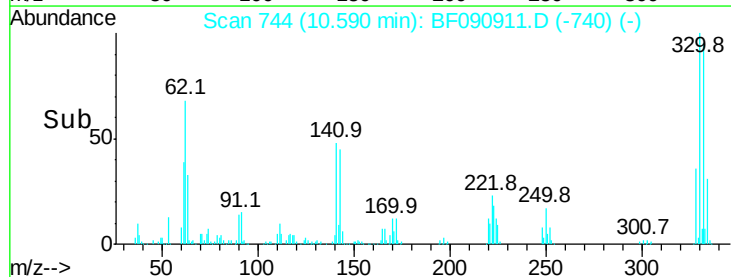
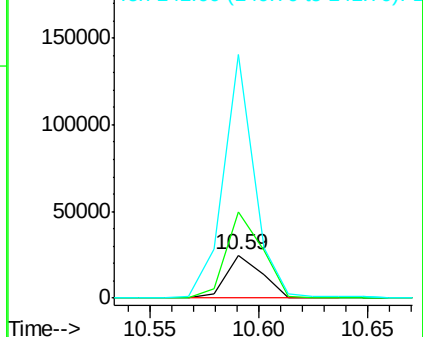


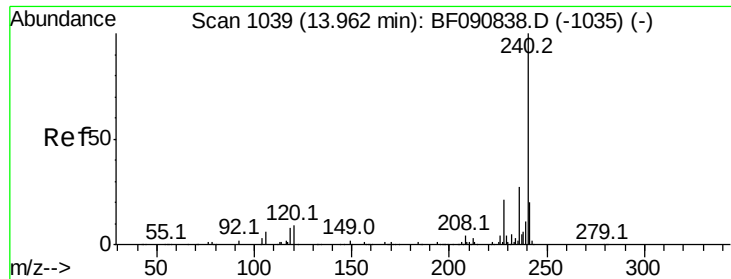
#66
 4-Bromophenyl-phenylether
 Concen: 4.57 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.25 min
 Lab File: BF090911.D
 Acq: 28 Oct 2016 16:38

Tgt Ion:248 Resp: 28057
 Ion Ratio Lower Upper
 248 100
 250 200.3 78.5 117.7#
 141 566.0 59.0 88.6#



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

Chrvsene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF090911.D

Acq: 28 Oct 2016 16:38

Instrument :

BNA_F

ClientSampleId :

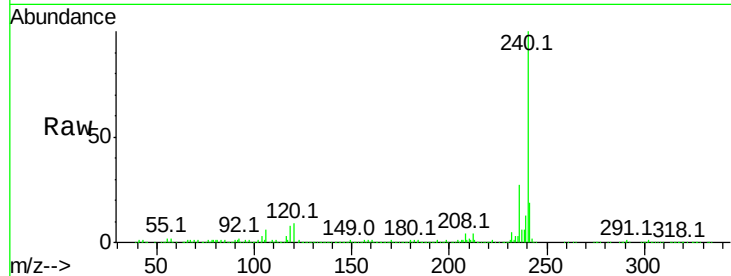
Tot Ion:240 Resp: 443601

Ion Ratio Lower Upper

240 100

120 8.6 16.2 24.2#

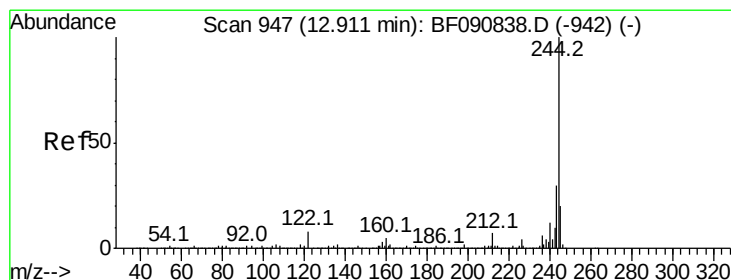
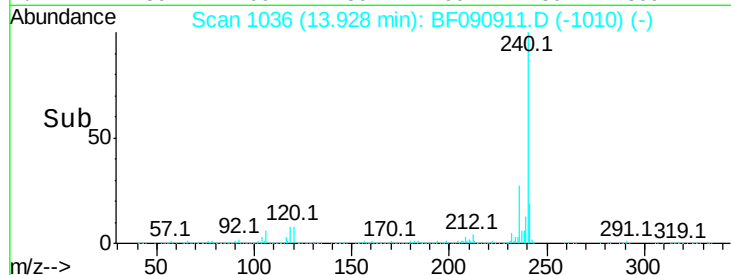
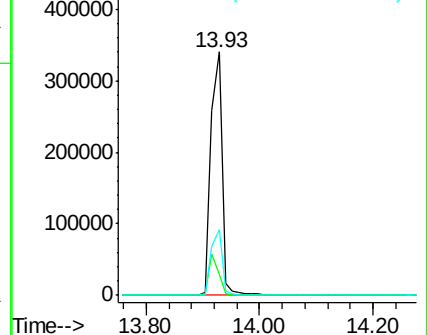
236 26.8 18.4 27.6



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: 105.92 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF090911.D

Acq: 28 Oct 2016 16:38

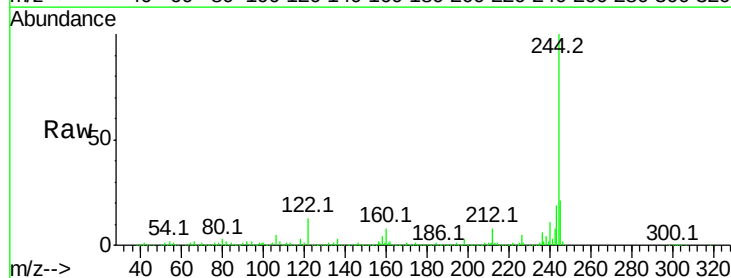
Tgt Ion:244 Resp: 1865037

Ion Ratio Lower Upper

244 100

212 7.6 4.3 6.5#

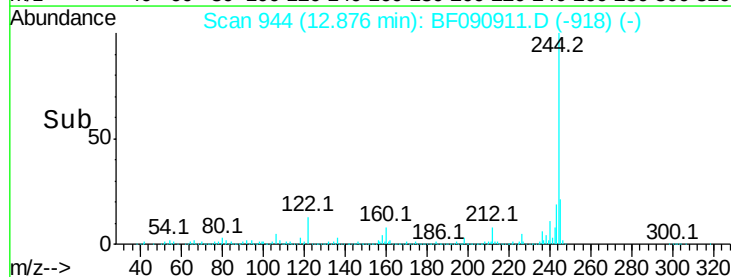
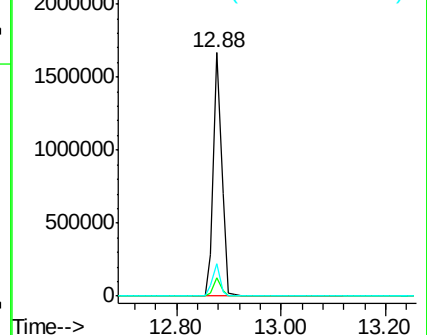
122 13.4 17.4 26.2#

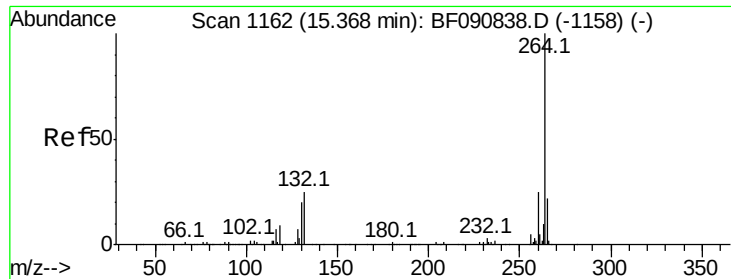


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

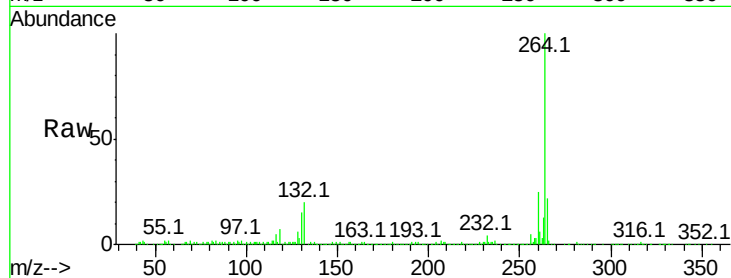




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF090911.D
Acq: 28 Oct 2016 16:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 324140
Ion Ratio Lower Upper
264 100
260 25.3 16.7 25.1#
265 22.0 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

