

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099220.D
 Acq On : 8 Oct 2017 4:47
 Operator : SJ/JU
 Sample : I5714-03
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 08 06:06:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Oct 08 03:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	136724	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	508557	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	193500	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	297915	20.00	ng	0.00
75) Chrysene-d12	14.03	240	239966	20.00	ng	0.00
86) Perylene-d12	15.50	264	182947	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	956186	111.33	ng	0.02
7) Phenol-d6	6.50	99	1032438	97.44	ng	0.00
23) Nitrobenzene-d5	7.43	82	694717	87.61	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	188672	119.16	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1192515	102.88	ng	0.00
78) Terphenyl-d14	12.97	244	867198	82.19	ng	0.00

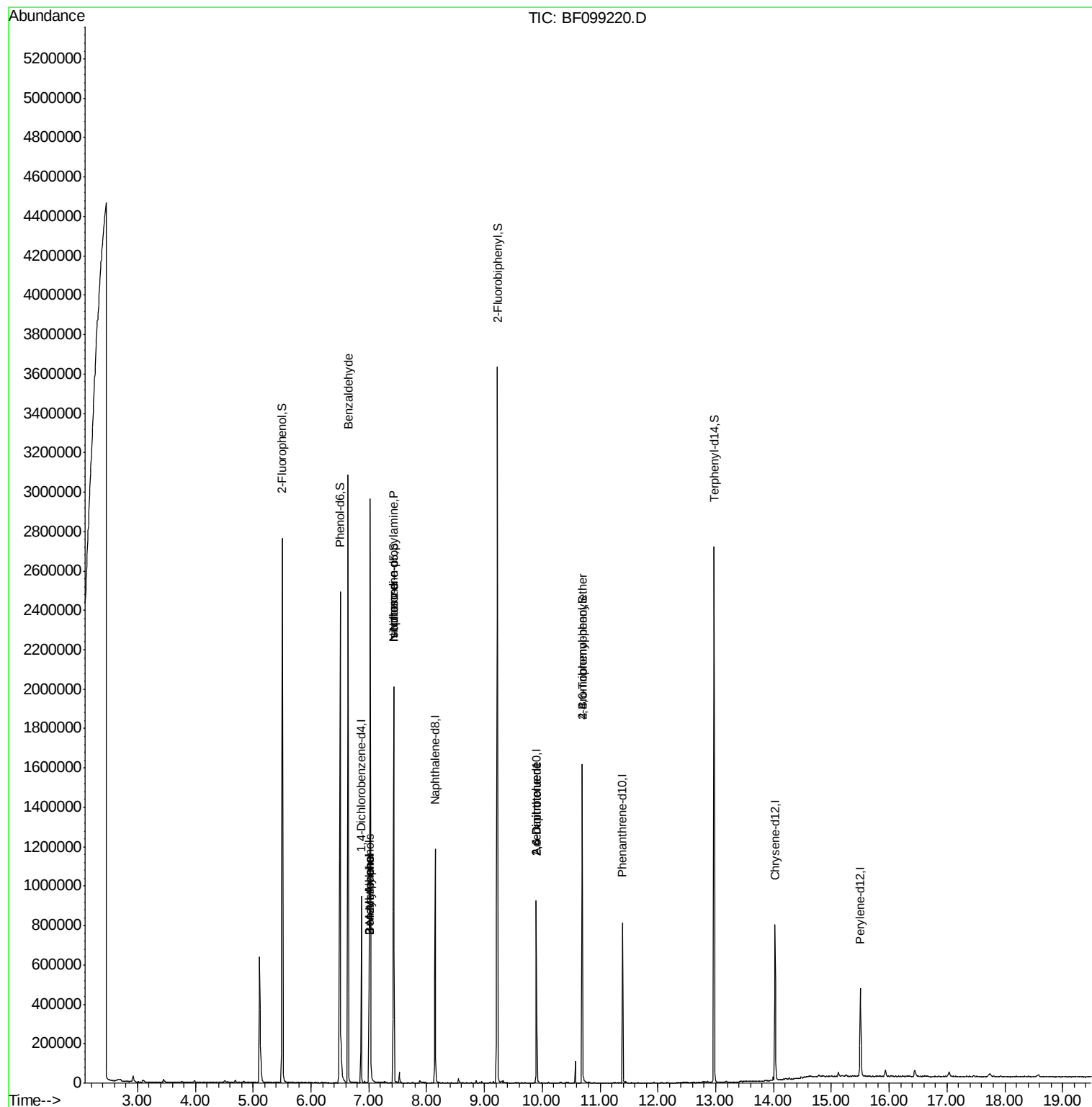
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.64	77	19705	3.206	ng	83
15) Benzyl Alcohol	7.00	79	113002	14.538	ng	97
17) 2-Methylphenol	7.00	107	60809	7.641	ng	# 22
19) n-Nitroso-di-n-propylamine	7.43	70	88369	13.064	ng	# 75
20) 3+4-Methylphenols	7.00	107	60808	6.040	ng	# 1
25) Isophorone	7.43	82	694708	42.372	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	24374	7.666	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	24374	5.907	ng	# 22
66) 4-Bromophenyl-phenylether	10.69	248	12528	4.296	ng	# 1

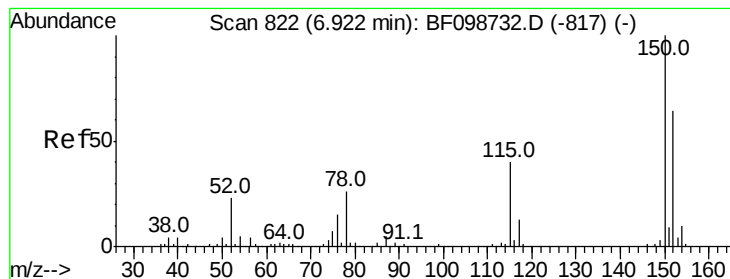
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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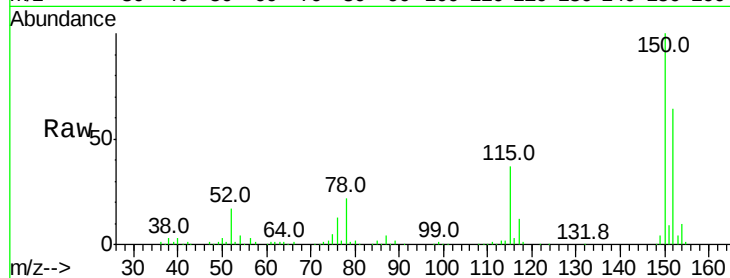


#1

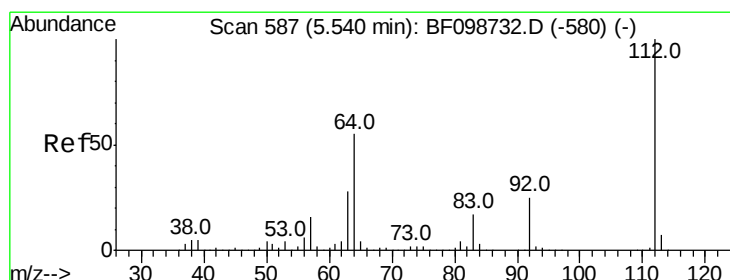
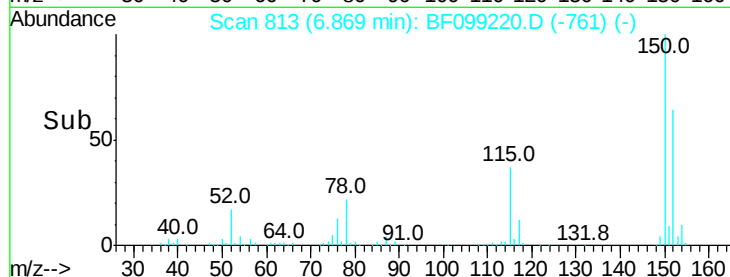
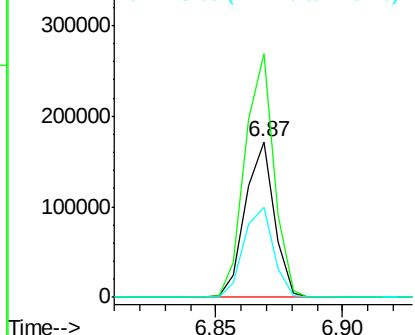
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.01 min
Lab File: BF099220.D
Acq: 8 Oct 2017 4:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136724
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 58.3 50.1 75.1



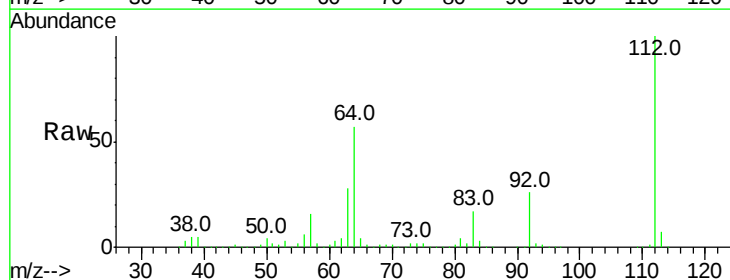
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



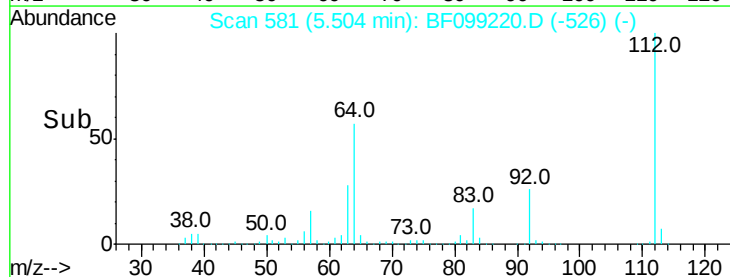
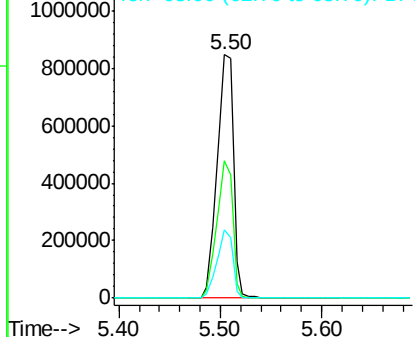
#5

2-Fluorophenol
Concen: 111.330 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.02 min
Lab File: BF099220.D
Acq: 8 Oct 2017 4:47

Tgt Ion:112 Resp: 956186
Ion Ratio Lower Upper
112 100
64 56.7 47.9 71.9
63 28.0 23.7 35.5



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: 97.444 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF099220.D

Acq: 8 Oct 2017 4:47

Instrument :

BNA_F

ClientSampleId :

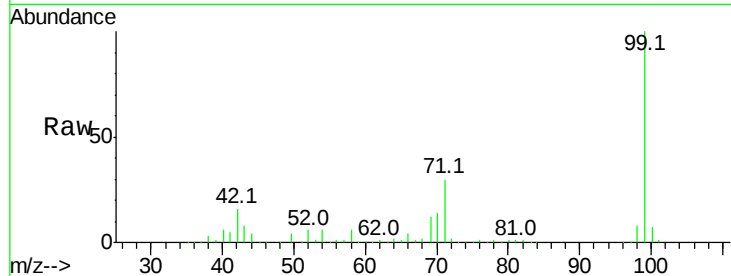
Tot Ion: 99 Resp: 1032438

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

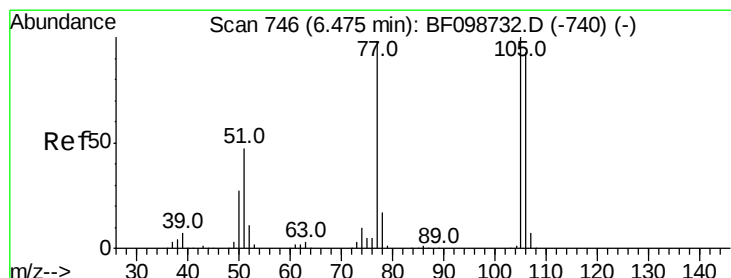
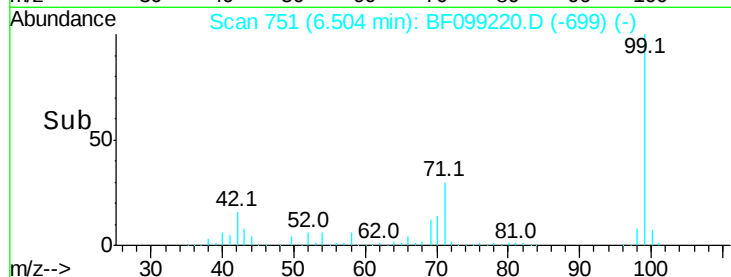
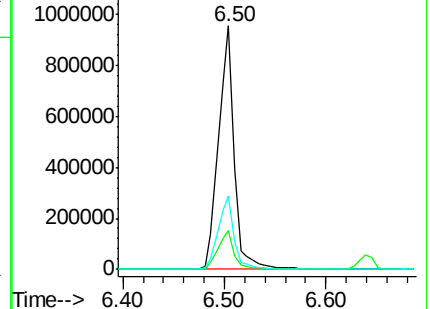
71 30.4 25.4 38.0



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: 3.206 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.22 min

Lab File: BF099220.D

Acq: 8 Oct 2017 4:47

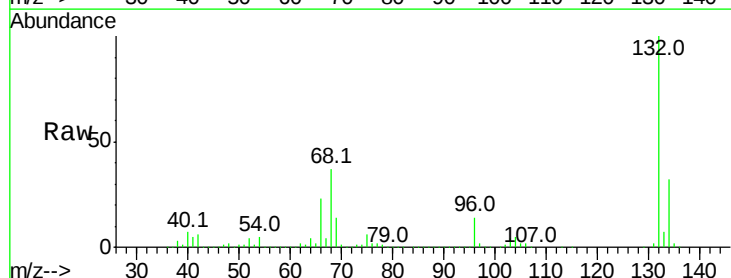
Tgt Ion: 77 Resp: 19705

Ion Ratio Lower Upper

77 100

105 83.6 81.1 121.1

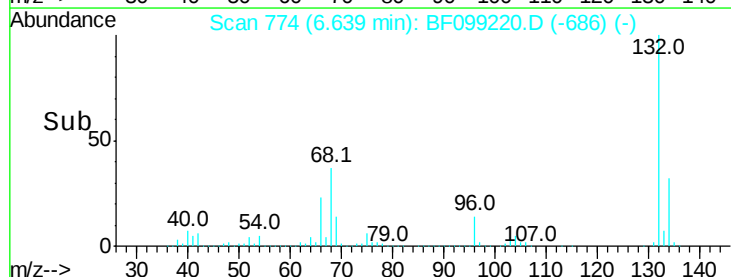
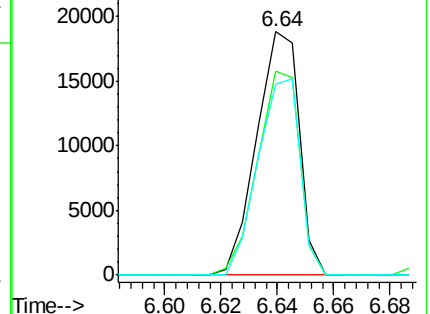
106 78.7 74.5 114.5

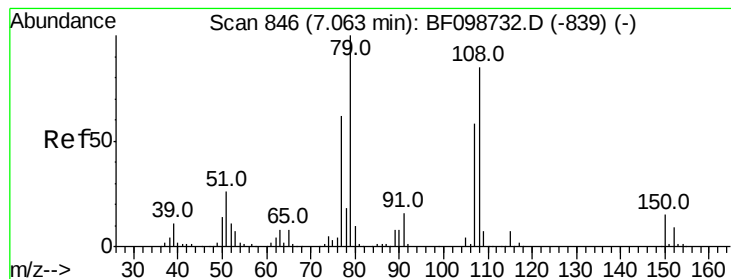


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 14.538 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF099220.D

Acq: 8 Oct 2017 4:47

Instrument :

BNA_F

ClientSampled :

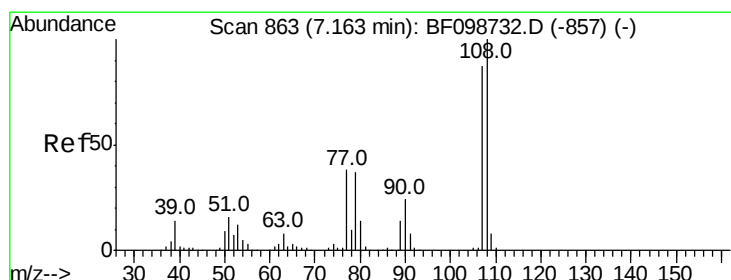
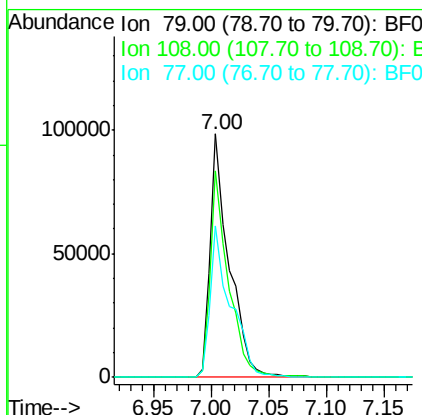
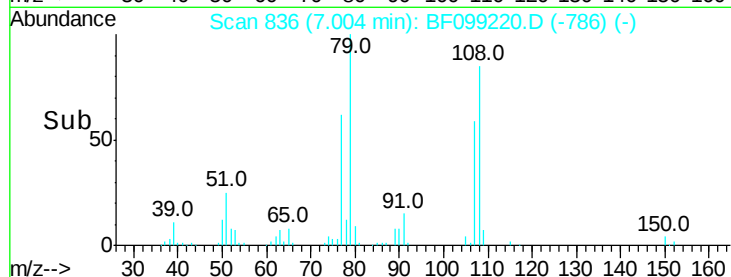
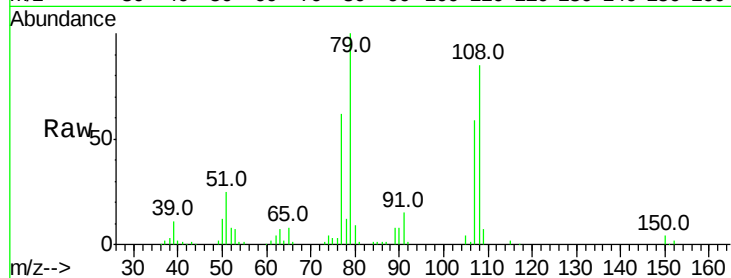
Tot Ion: 79 Resp: 113002

Ion Ratio Lower Upper

79 100

108 84.8 65.1 97.7

77 62.0 50.6 75.8



#17

2-Methylphenol

Concen: 7.641 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.11 min

Lab File: BF099220.D

Acq: 8 Oct 2017 4:47

Tgt Ion: 107 Resp: 60809

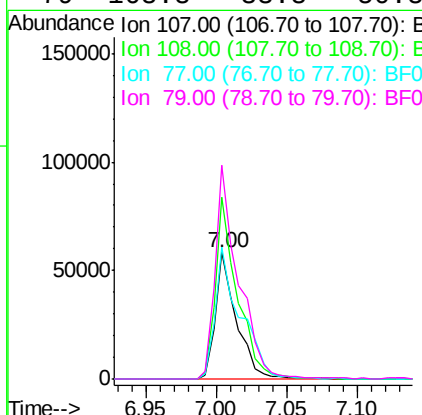
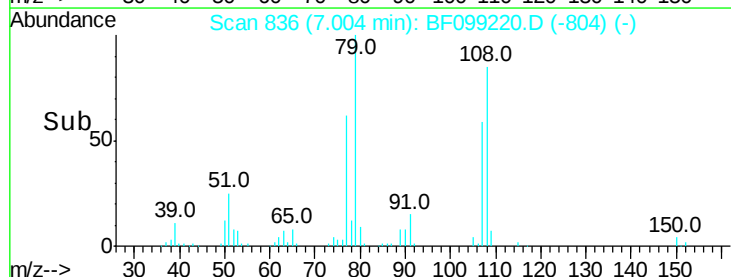
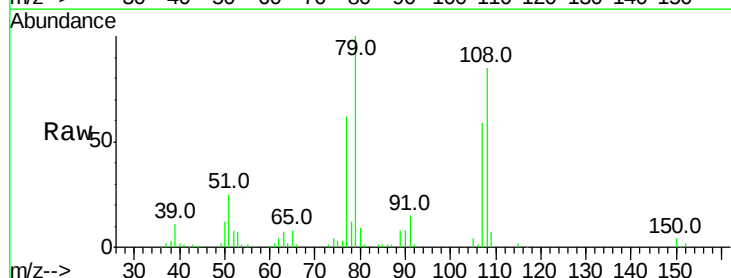
Ion Ratio Lower Upper

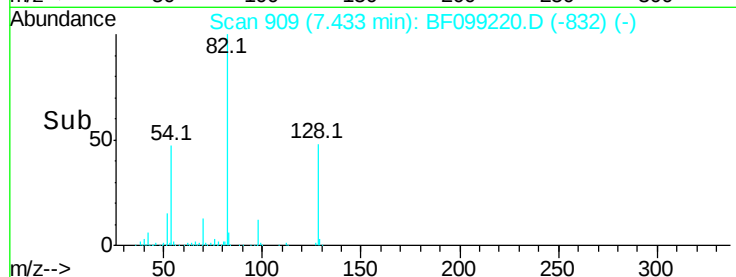
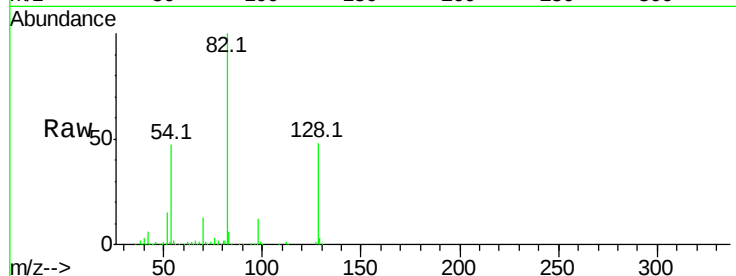
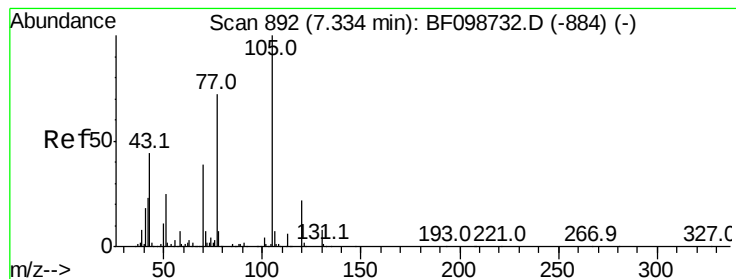
107 100

108 143.2 91.7 137.5#

77 104.7 33.8 50.8#

79 168.8 33.8 50.8#





#19

n-Nitroso-di-n-propylamine

Concen: 13.064 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF099220.D

Acq: 8 Oct 2017 4:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 88369

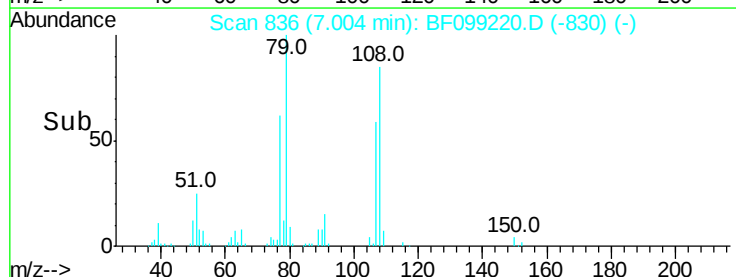
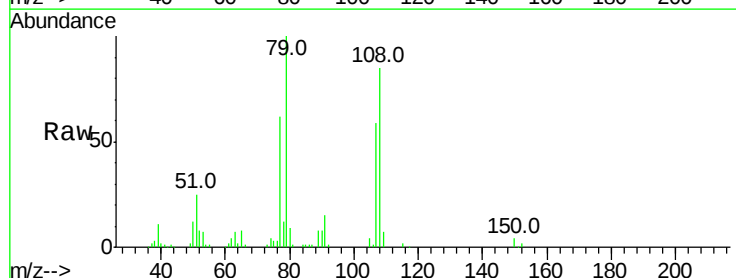
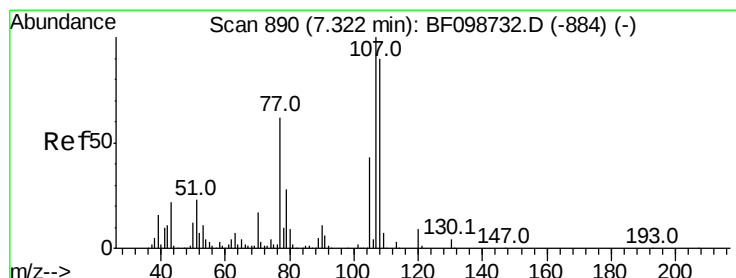
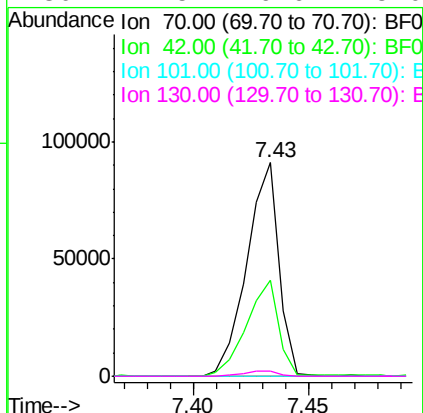
Ion Ratio Lower Upper

70 100

42 44.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#



#20

3+4-Methylphenols

Concen: 6.040 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.26 min

Lab File: BF099220.D

Acq: 8 Oct 2017 4:47

Tgt Ion:107 Resp: 60808

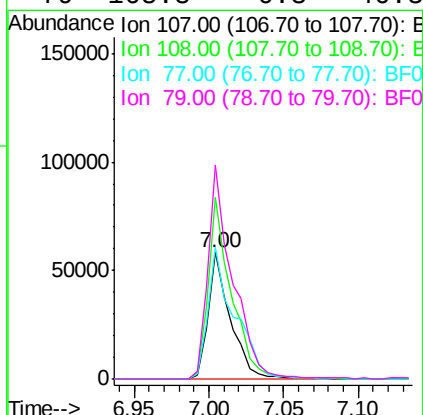
Ion Ratio Lower Upper

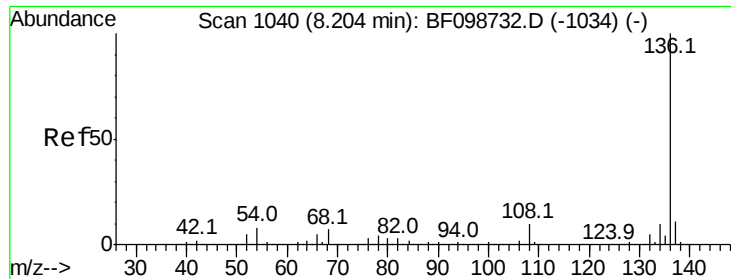
107 100

108 143.2 68.2 108.2#

77 104.7 26.7 66.7#

79 168.8 6.3 46.3#

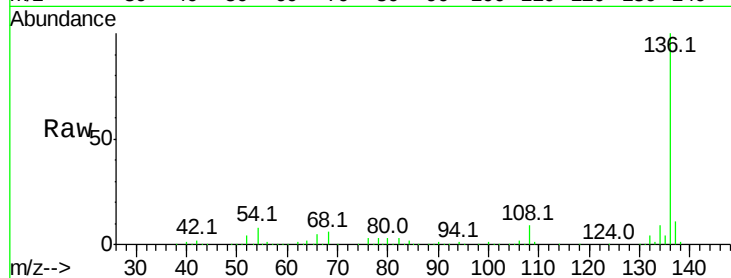




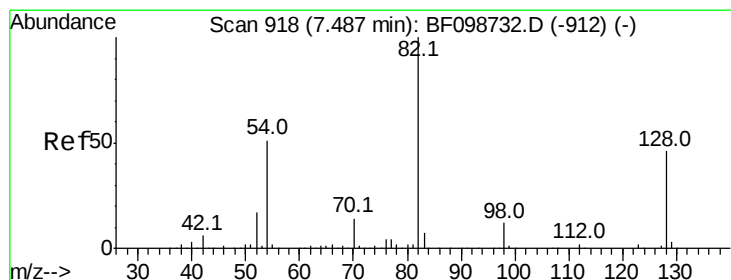
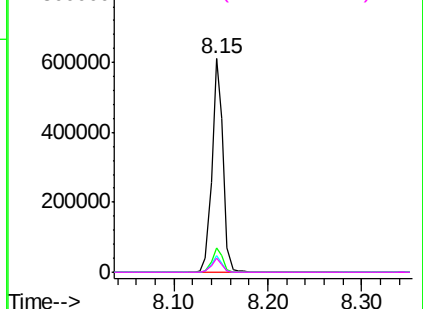
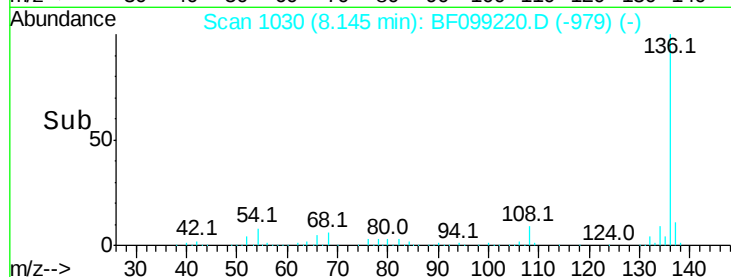
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF099220.D
Acq: 8 Oct 2017 4:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	508557
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.6	6.6	9.8
68	6.4	5.0	7.4

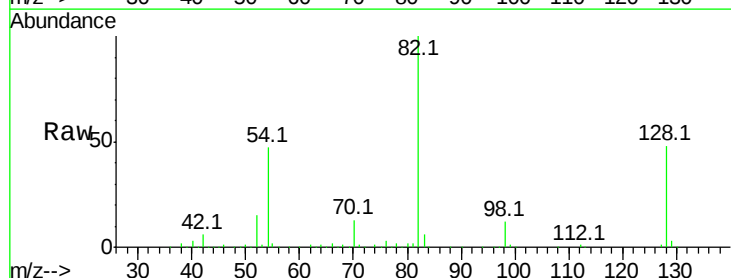


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

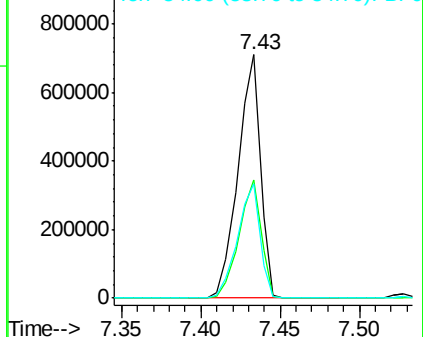
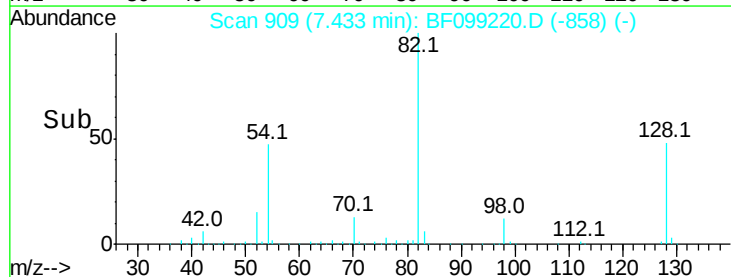


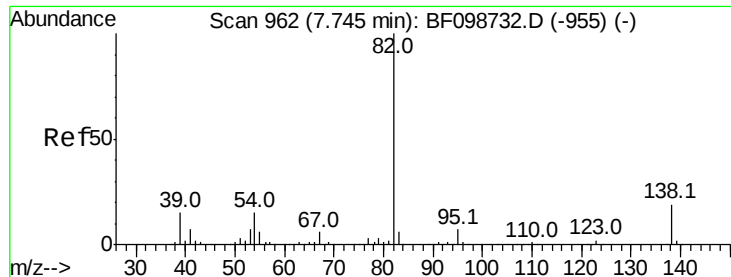
#23
Nitrobenzene-d5
Concen: 87.605 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.00 min
Lab File: BF099220.D
Acq: 8 Oct 2017 4:47

Tgt Ion:	82	Resp:	694717
Ion	Ratio	Lower	Upper
82	100		
128	48.4	36.1	54.1
54	46.9	41.4	62.2



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: 42.372 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.25 min

Lab File: BF099220.D

Acq: 8 Oct 2017 4:47

Instrument :

BNA_F

ClientSampled :

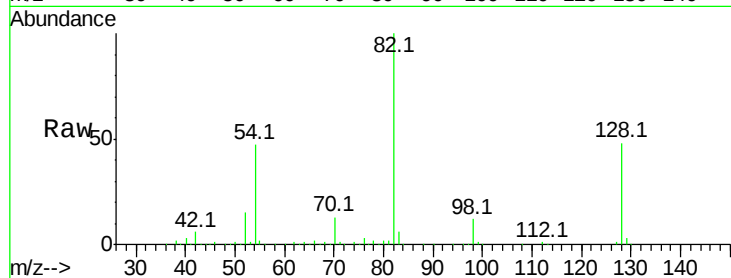
Tot Ion: 82 Resp: 694708

Ion Ratio Lower Upper

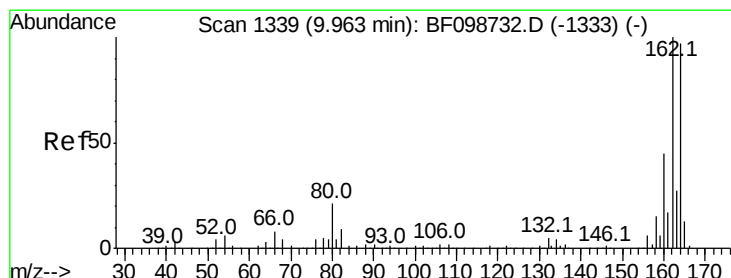
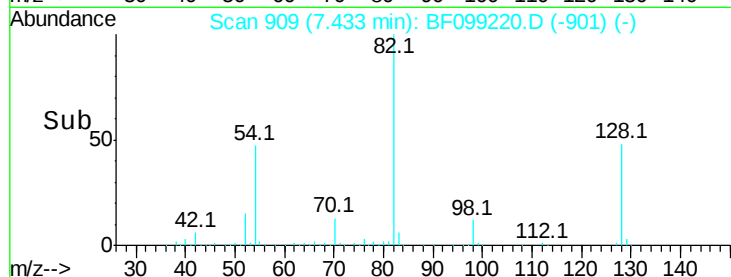
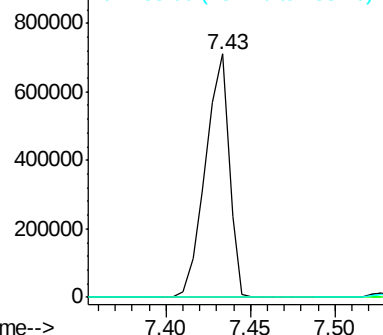
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099220.D

Acq: 8 Oct 2017 4:47

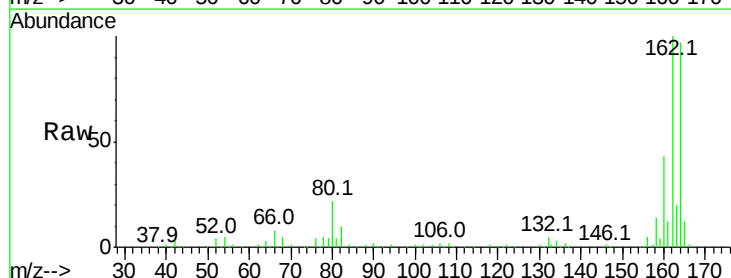
Tgt Ion:164 Resp: 193500

Ion Ratio Lower Upper

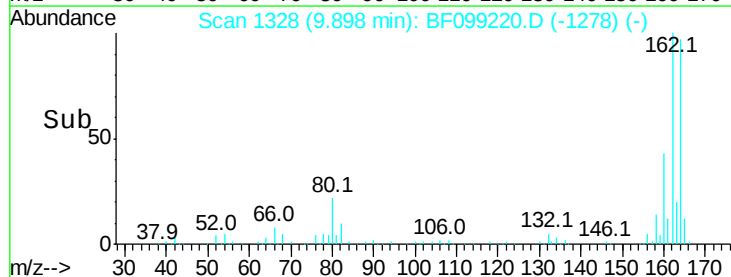
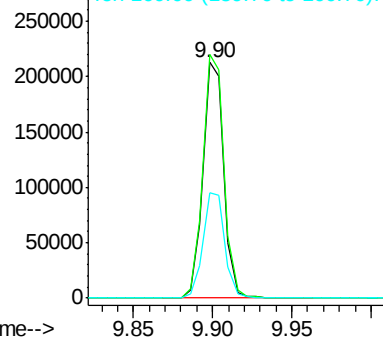
164 100

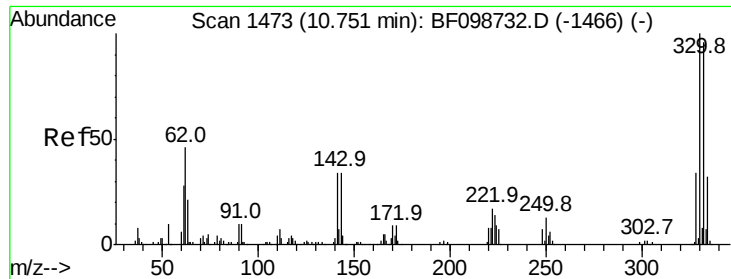
162 103.5 86.1 129.1

160 44.7 38.3 57.5



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

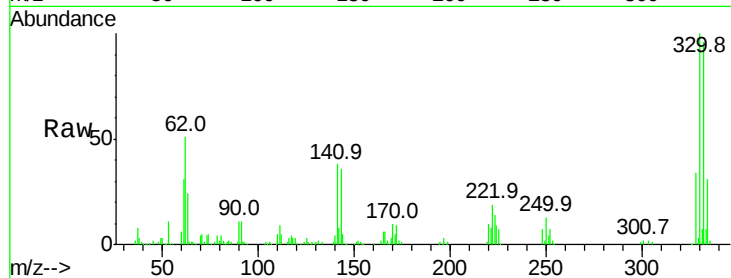




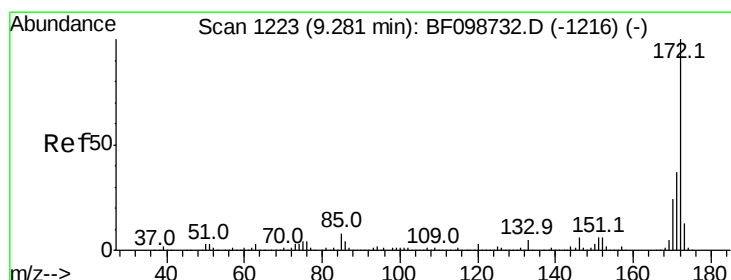
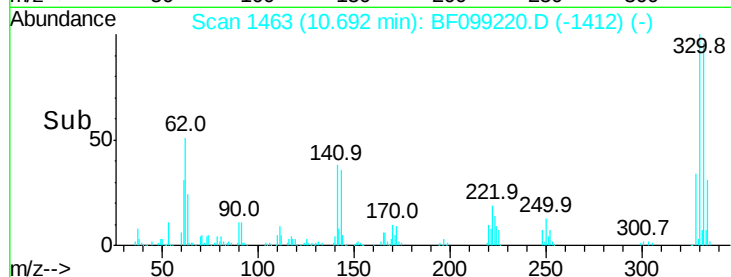
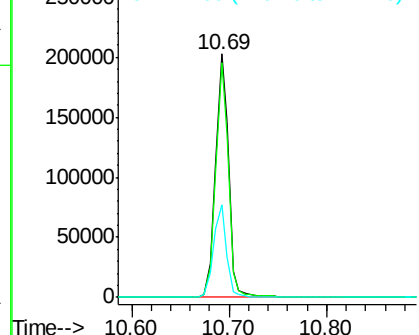
#41
 2,4,6-Tribromophenol
 Concen: 119.160 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: BF099220.D
 Acq: 8 Oct 2017 4:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 188672
 Ion Ratio Lower Upper
 330 100
 332 94.1 77.0 115.6
 141 38.1 29.9 44.9

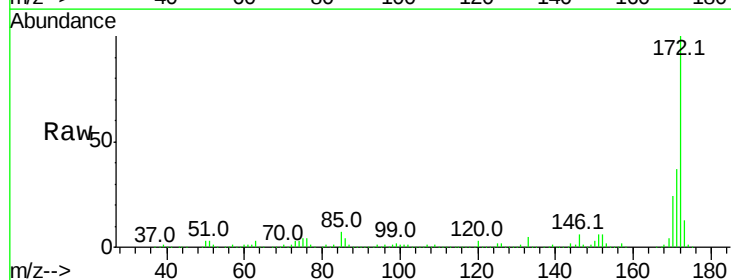


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

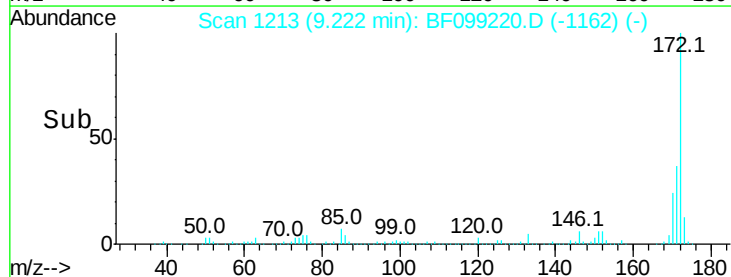
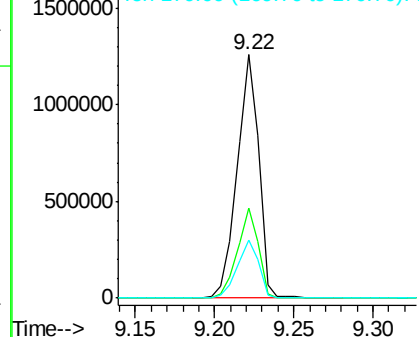


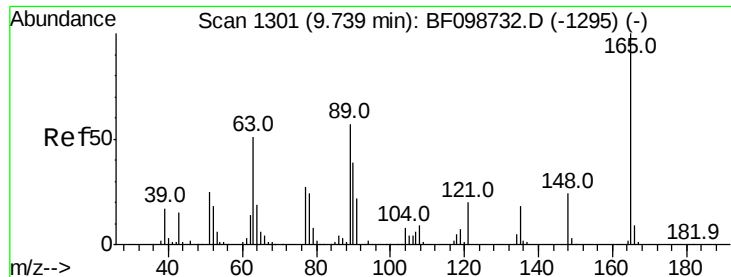
#44
 2-Fluorobiphenyl
 Concen: 102.884 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: BF099220.D
 Acq: 8 Oct 2017 4:47

Tgt Ion:172 Resp: 1192515
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 24.0 19.6 29.4



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

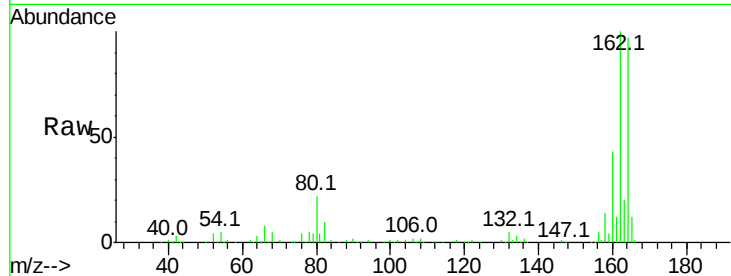




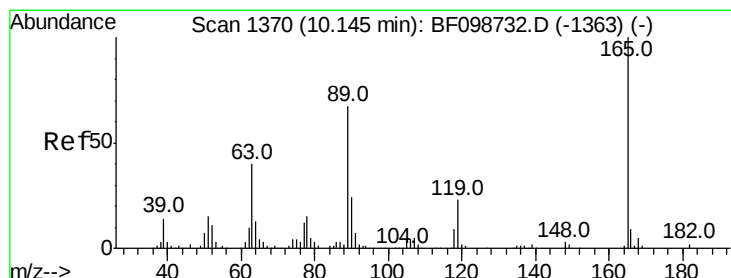
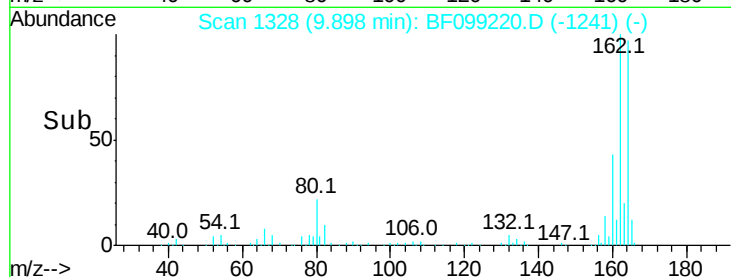
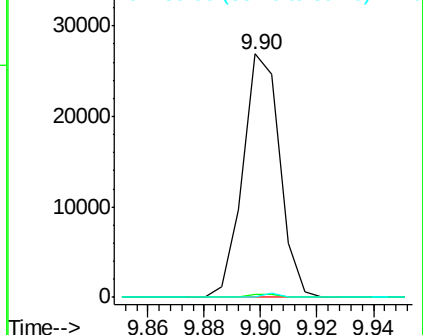
#50
 2,6-Dinitrotoluene
 Concen: 7.666 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099220.D
 Acq: 8 Oct 2017 4:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	0.0	44.0	66.0#



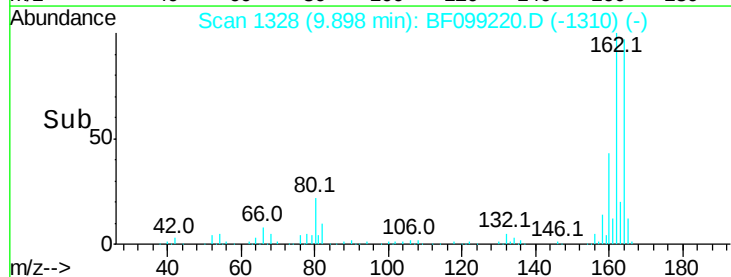
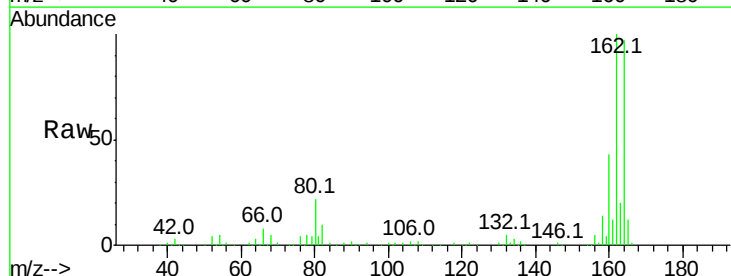
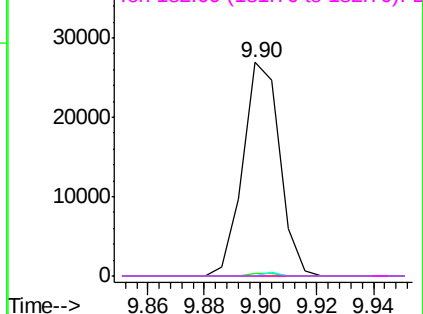
Abundance Ion 165.00 (164.70 to 165.70): E

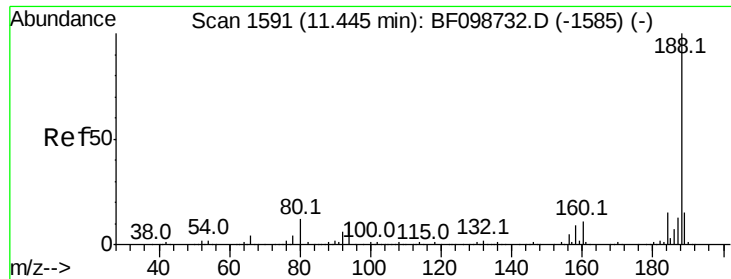


#56
 2,4-Dinitrotoluene
 Concen: 5.907 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.19 min
 Lab File: BF099220.D
 Acq: 8 Oct 2017 4:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

Abundance Ion 165.00 (164.70 to 165.70): E

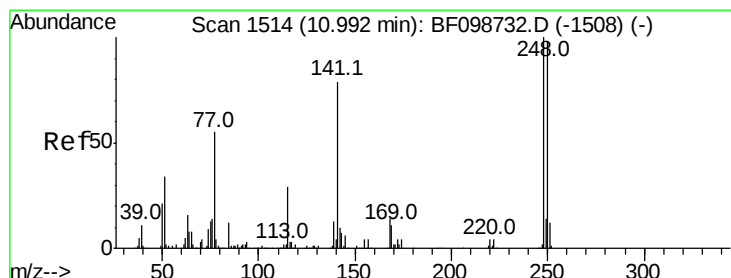
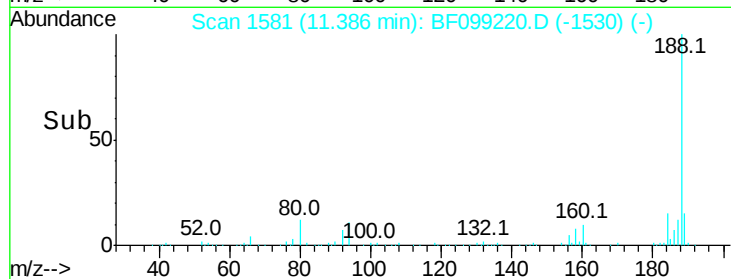
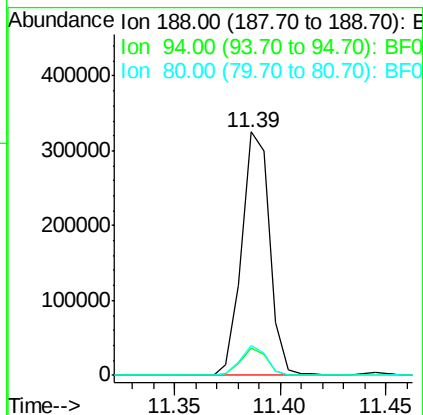
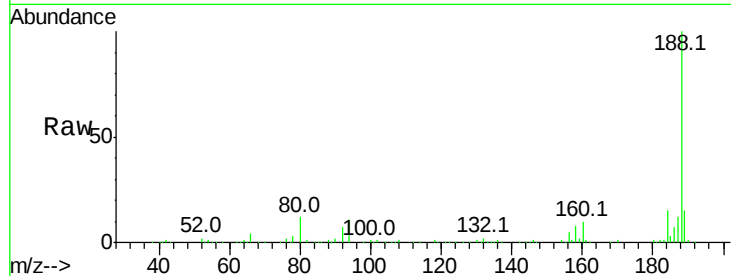




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: BF099220.D
 Acq: 8 Oct 2017 4:47

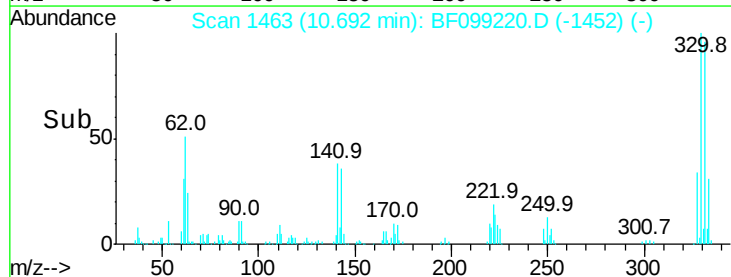
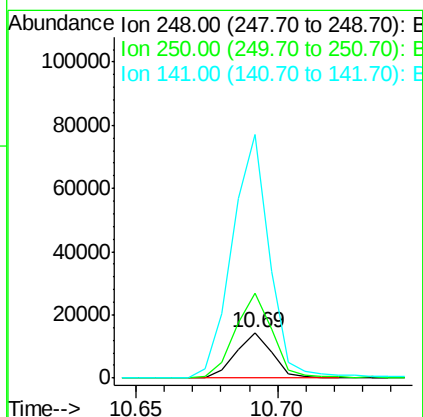
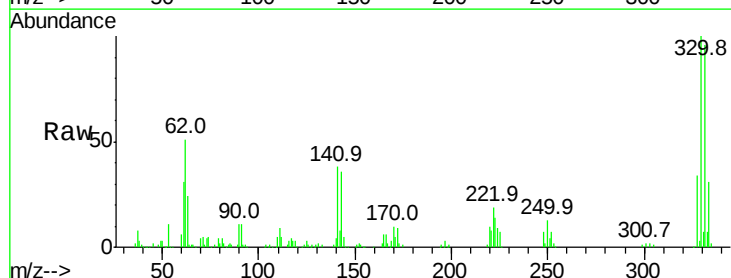
Instrument :
 BNA_F
 ClientSampleId :

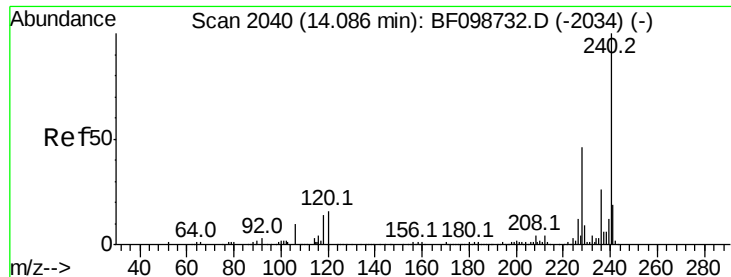
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	12.2	9.2	13.8



#66
 4-Bromophenyl-phenylether
 Concen: 4.296 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF099220.D
 Acq: 8 Oct 2017 4:47

Tgt Ion	Ratio	Lower	Upper
248	100		
250	187.5	76.9	115.3#
141	536.8	74.4	111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BF099220.D

Acq: 8 Oct 2017 4:47

Instrument :

BNA_F

ClientSampleId :

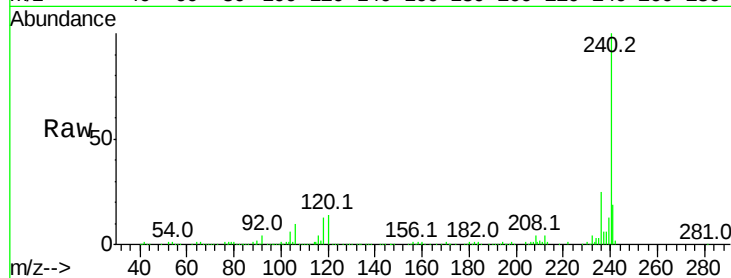
Tot Ion:240 Resp: 239966

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

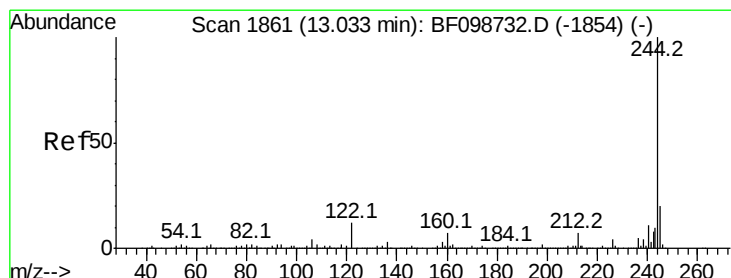
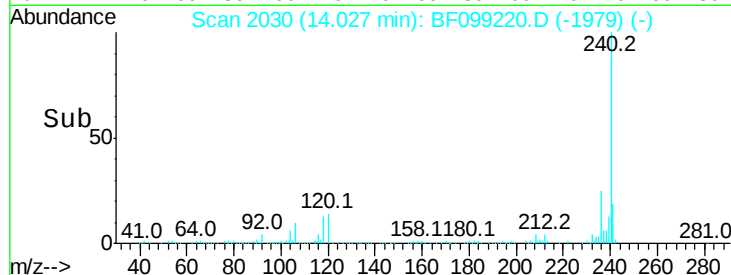
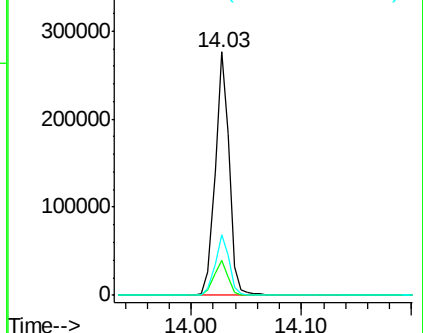
236 25.1 20.7 31.1



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: 82.186 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.01 min

Lab File: BF099220.D

Acq: 8 Oct 2017 4:47

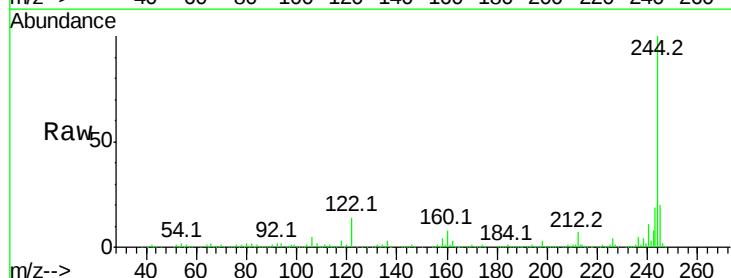
Tgt Ion:244 Resp: 867198

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

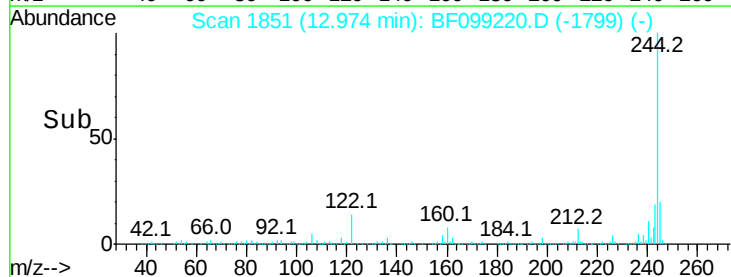
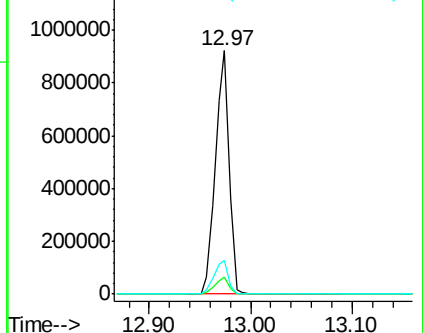
122 13.9 11.0 16.4

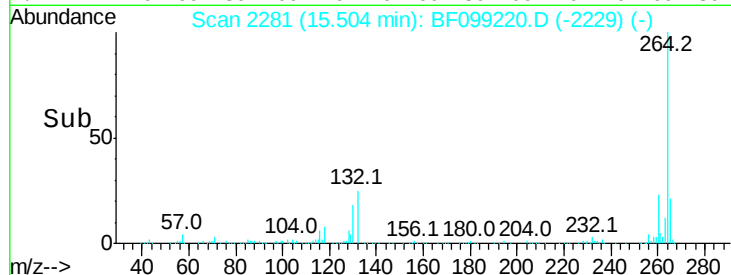
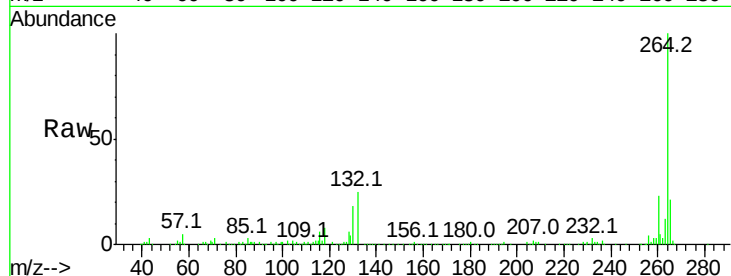
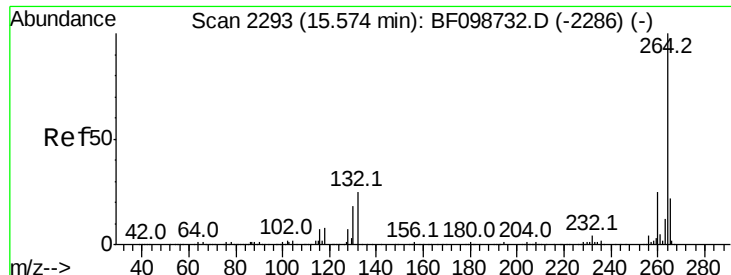


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. 0.01 min
 Lab File: BF099220.D
 Acq: 8 Oct 2017 4:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	182947
Ion Ratio	Lower	Upper	
264	100		
260	22.7	19.2	28.8
265	21.4	17.5	26.3

