

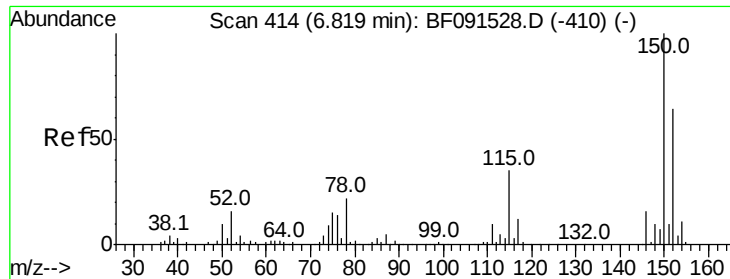
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121516\
 Data File : BF091670.D
 Acq On : 16 Dec 2016 12:03
 Operator : UM/SJ
 Sample : H5940-09RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS05-1FTRE

Quant Time: Dec 16 17:08:45 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	217577	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	790614	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	371839	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	505686	20.00	ng	-0.03
75) Chrysene-d12	13.94	240	462253	20.00	ng	-0.02
86) Perylene-d12	15.35	264	415955	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1559129	120.73	ng	-0.02
7) Phenol-d6	6.43	99	2035415	126.42	ng	-0.02
23) Nitrobenzene-d5	7.36	82	1450413	102.39	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	319297	103.38	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	1859488	86.41	ng	-0.03
78) Terphenyl-d14	12.89	244	1140445	55.98	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.56	77	42209	3.81	ng	Qvalue 87
10) Phenol	6.44	94	55395	2.94	ng	86
15) Benzyl Alcohol	6.94	79	26304	2.07	ng	# 38
19) n-Nitroso-di-n-propylamine	7.36	70	192865	19.16	ng	# 58
20) 3+4-Methylphenols	7.21	107	235	Below Cal	#	63
25) Isophorone	7.36	82	1329833	52.81	ng	# 67
49) Dimethylphthalate	9.55	163	809735	34.39	ng	99
56) 2,4-Dinitrotoluene	9.82	165	49472	7.64	ng	# 33
57) Fluorene	10.37	166	745	Below Cal	#	76
64) 4,6-Dinitro-2-methylphenol	10.61	198	849	3.20	ng	# 1
66) 4-Bromophenyl-phenylether	10.61	248	21848	4.21	ng	# 1

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

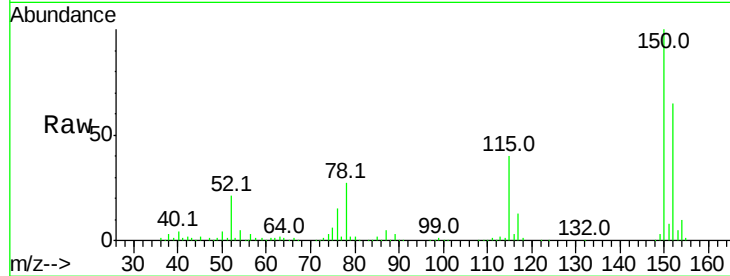


#1

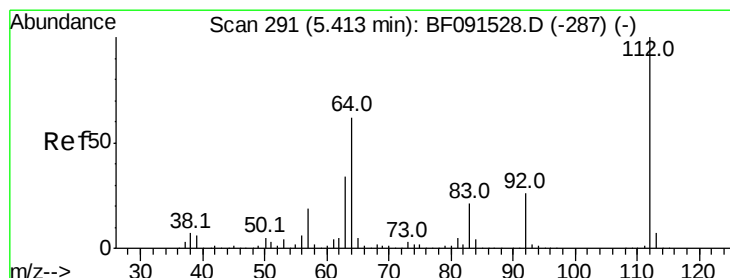
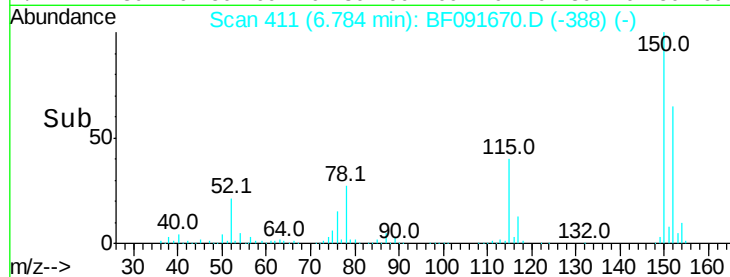
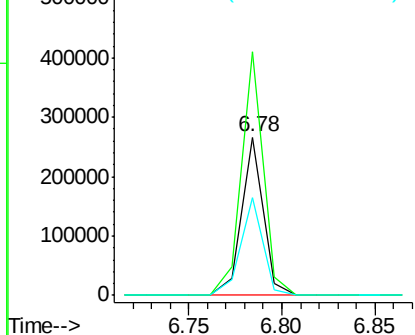
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. -0.03 min
Lab File: BF091670.D
Acq: 16 Dec 2016 12:03

Instrument :
BNA_F
ClientSampleId :
SS05-1FTRE

Tot Ion:152 Resp: 217577
Ion Ratio Lower Upper
152 100
150 154.2 122.5 183.7
115 61.8 51.8 77.8



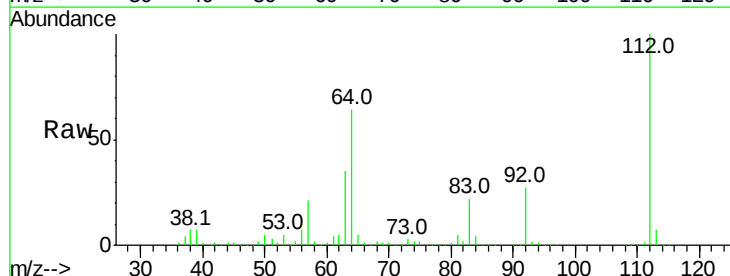
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



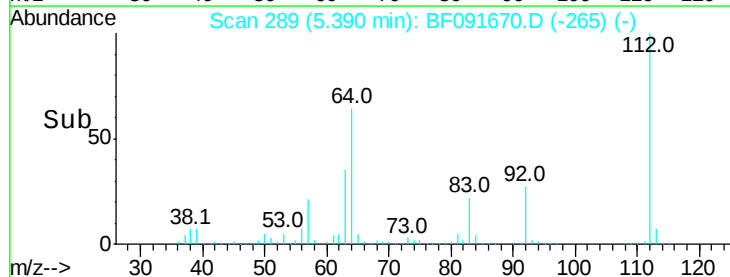
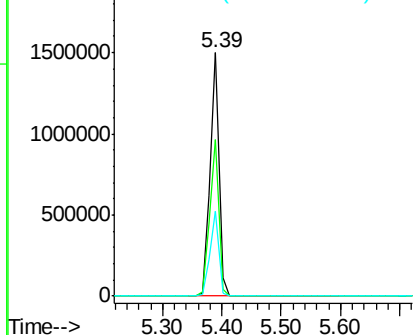
#5

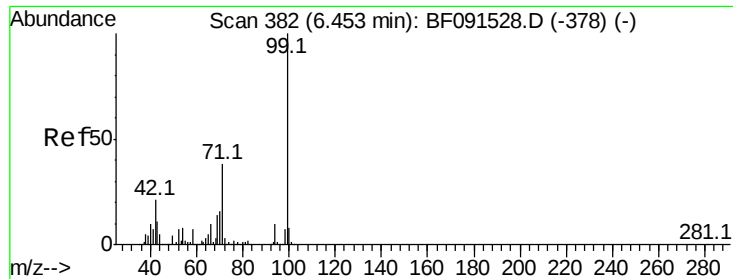
2-Fluorophenol
Concen: 120.73 ng
RT: 5.39 min Scan# 289
Delta R.T. -0.02 min
Lab File: BF091670.D
Acq: 16 Dec 2016 12:03

Tgt Ion:112 Resp: 1559129
Ion Ratio Lower Upper
112 100
64 64.1 61.5 92.3
63 34.7 33.3 49.9



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: 126.42 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091670.D

Acq: 16 Dec 2016 12:03

Instrument :

BNA_F

ClientSampleId :

SS05-1FTRE

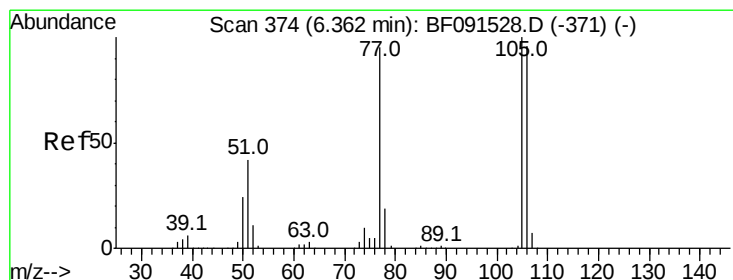
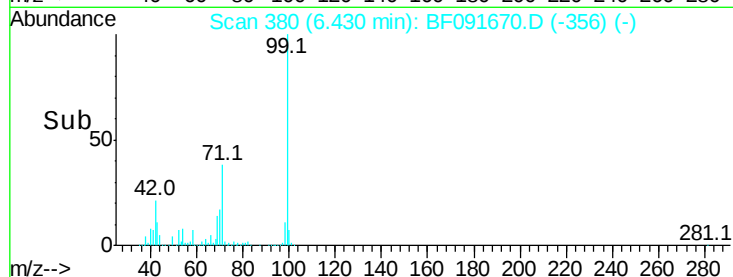
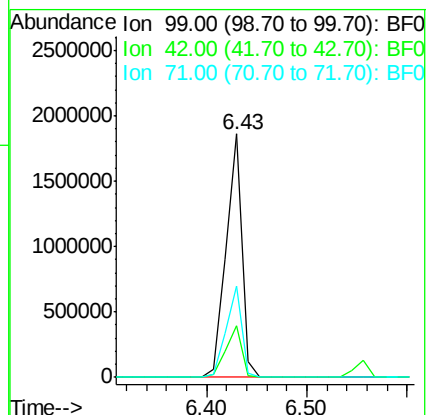
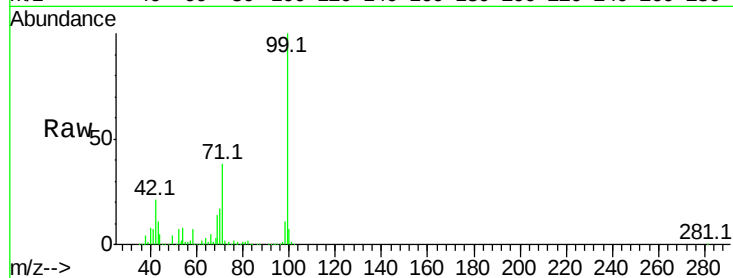
Tot Ion: 99 Resp: 2035415

Ion Ratio Lower Upper

99 100

42 21.2 20.6 31.0

71 37.5 29.9 44.9



#9

Benzaldehyde

Concen: 3.81 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.19 min

Lab File: BF091670.D

Acq: 16 Dec 2016 12:03

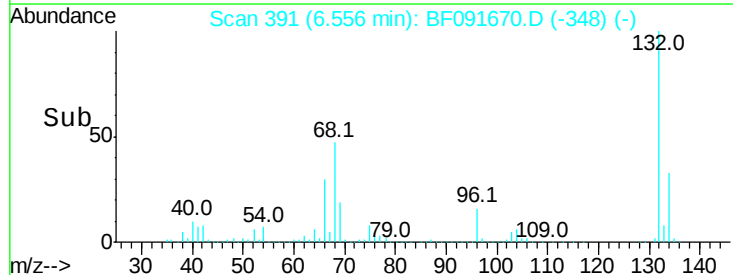
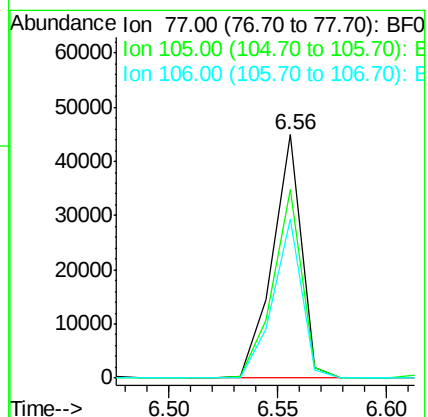
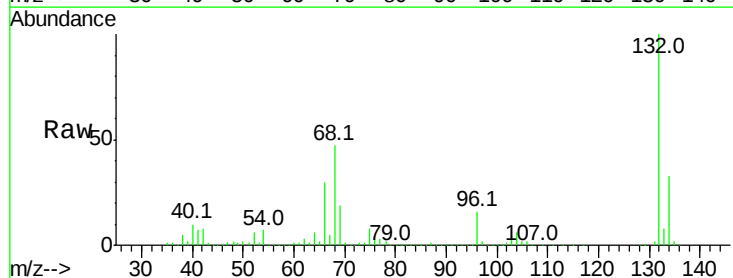
Tgt Ion: 77 Resp: 42209

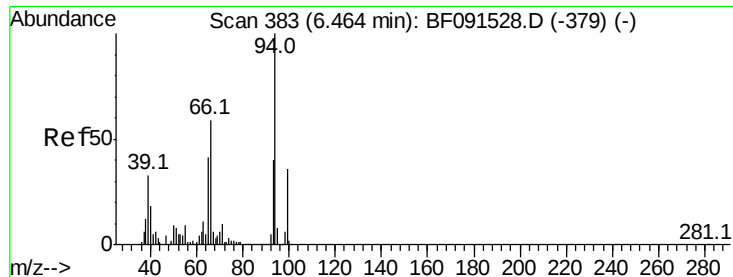
Ion Ratio Lower Upper

77 100

105 77.6 66.4 106.4

106 65.4 60.9 100.9





#10

Phenol

Concen: 2.94 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF091670.D

Acq: 16 Dec 2016 12:03

Instrument :

BNA_F

ClientSampleId :

SS05-1FTRE

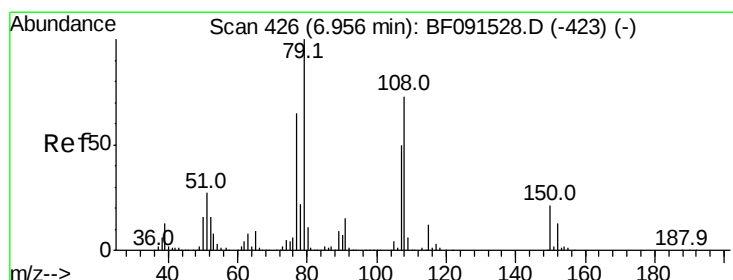
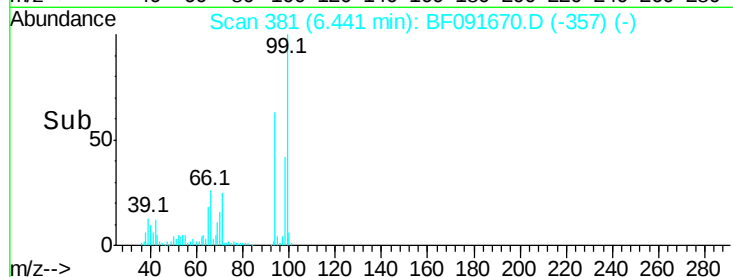
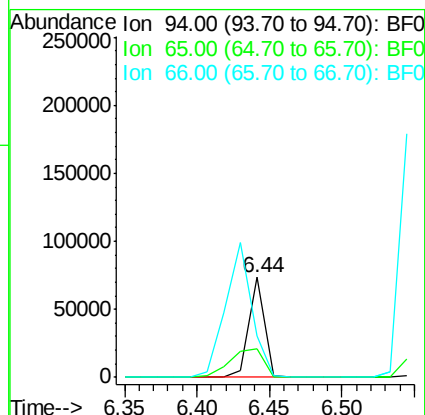
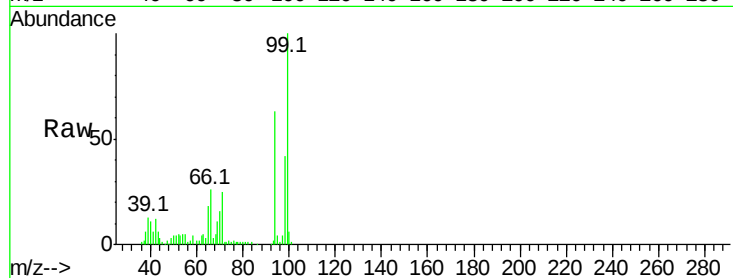
Tot Ion: 94 Resp: 55395

Ion Ratio Lower Upper

94 100

65 28.2 16.9 56.9

66 40.9 30.6 70.6



#15

Benzyl Alcohol

Concen: 2.07 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.01 min

Lab File: BF091670.D

Acq: 16 Dec 2016 12:03

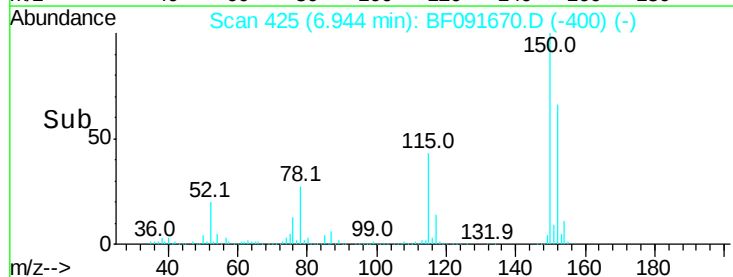
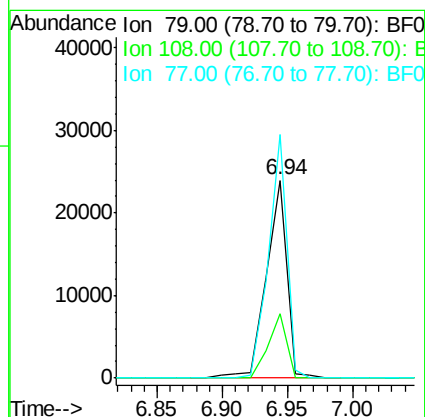
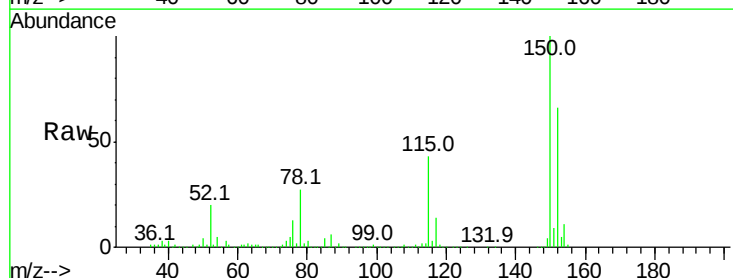
Tgt Ion: 79 Resp: 26304

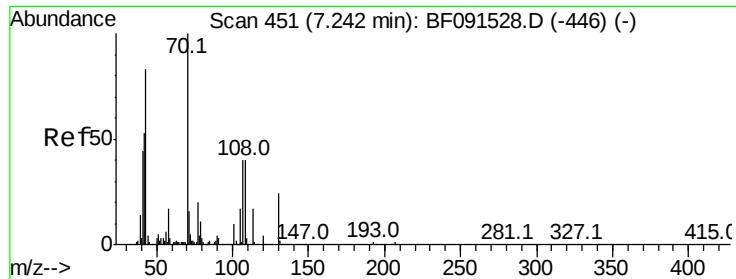
Ion Ratio Lower Upper

79 100

108 32.6 62.7 94.1#

77 123.1 51.7 77.5#





#19

n-Nitroso-di-n-propylamine

Concen: 19.16 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.11 min

Lab File: BF091670.D

Acq: 16 Dec 2016 12:03

Instrument :

BNA_F

ClientSampleId :

SS05-1FTRE

Tot Ion: 70 Resp: 192865

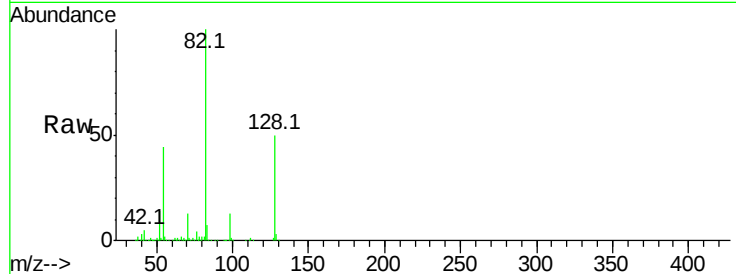
Ion Ratio Lower Upper

70 100

42 40.3 64.8 97.2#

101 0.0 6.2 9.4#

130 2.5 11.7 17.5#

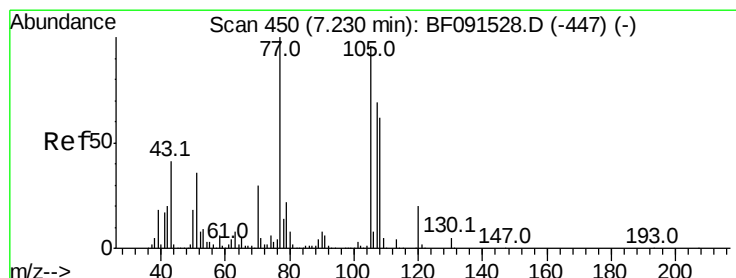
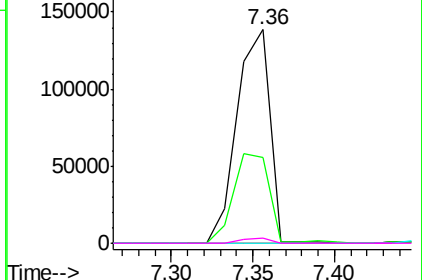
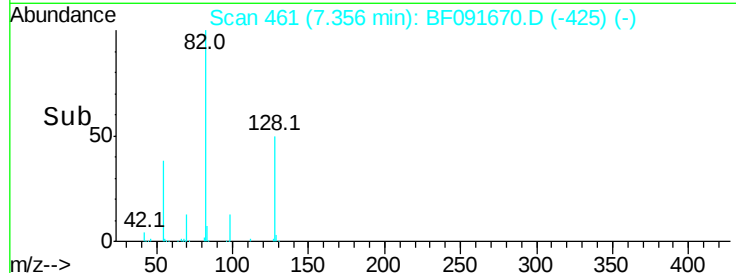


Abundance Ion 70.00 (69.70 to 70.70): BF0

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



#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.21 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF091670.D

Acq: 16 Dec 2016 12:03

Tgt Ion: 107 Resp: 235

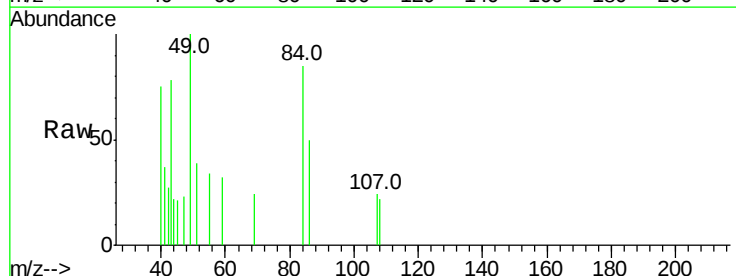
Ion Ratio Lower Upper

107 100

108 93.6 64.6 104.6

77 0.0 30.9 70.9#

79 0.0 9.3 49.3#

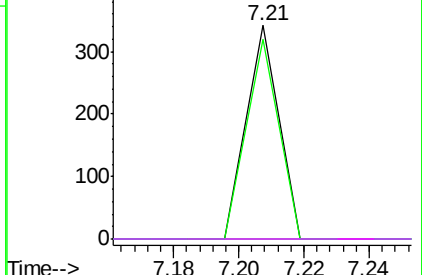
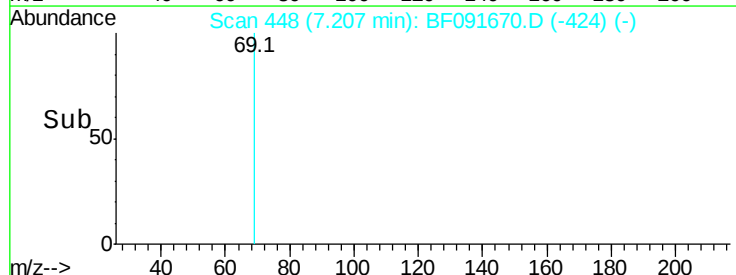


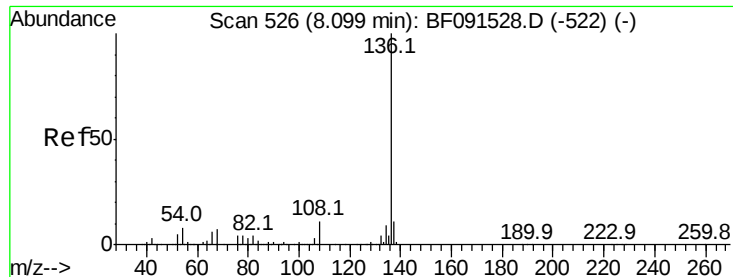
Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

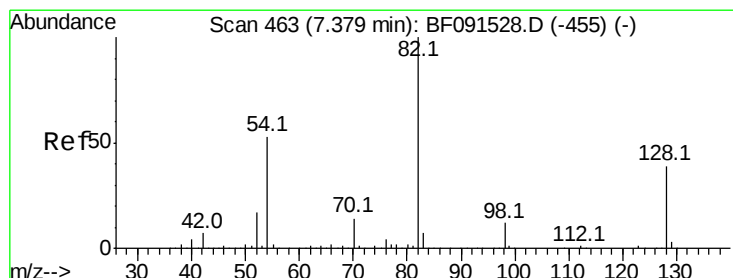
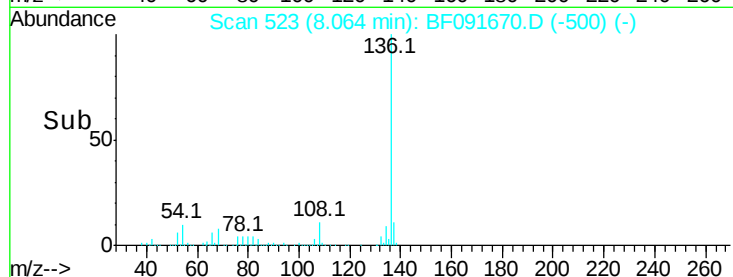
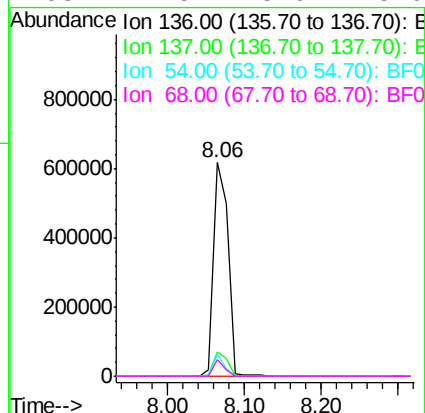
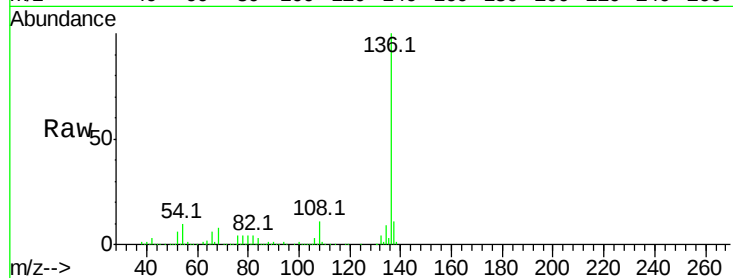




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.03 min
Lab File: BF091670.D
Acq: 16 Dec 2016 12:03

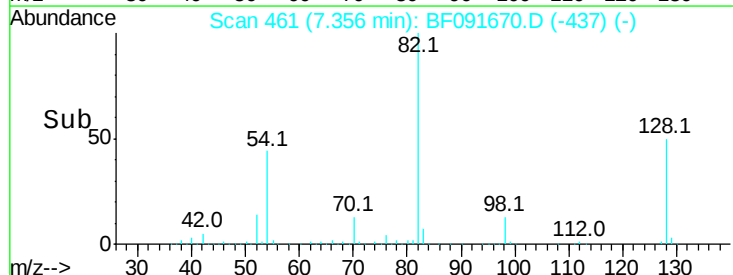
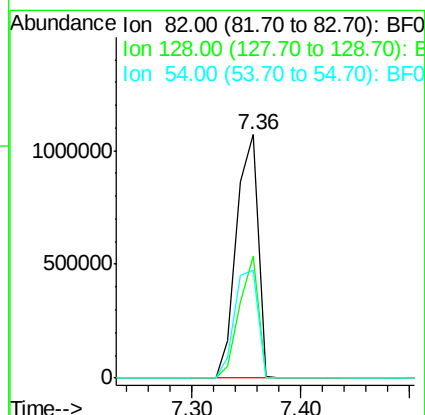
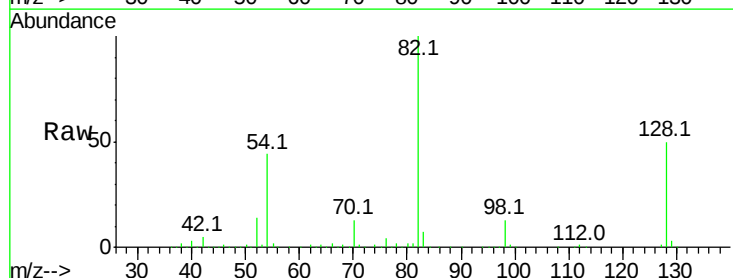
Instrument :
BNA_F
ClientSampleId :
SS05-1FTRE

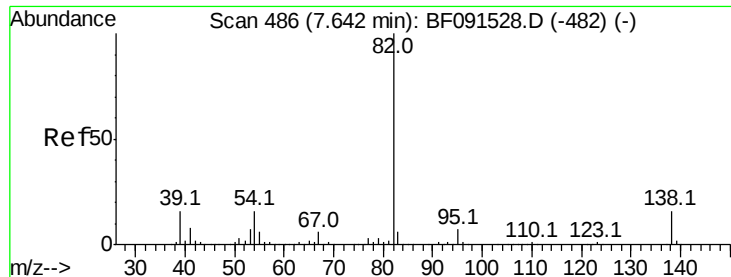
Tot Ion:136	Resp:	790614
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.1 13.7
54	10.0	9.1 13.7
68	7.5	5.9 8.9



#23
Nitrobenzene-d5
Concen: 102.39 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.02 min
Lab File: BF091670.D
Acq: 16 Dec 2016 12:03

Tgt Ion: 82	Resp:	1450413
Ion Ratio	Lower	Upper
82	100	
128	49.9	31.8 47.6#
54	44.1	49.1 73.7#





#25

Isophorone

Concen: 52.81 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.29 min

Lab File: BF091670.D

Acq: 16 Dec 2016 12:03

Instrument :

BNA_F

ClientSampleId :

SS05-1FTRE

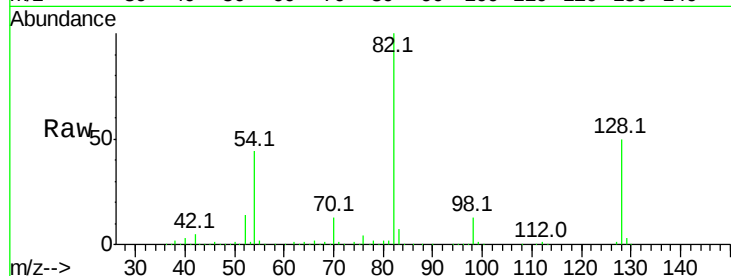
Tot Ion: 82 Resp: 1329833

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

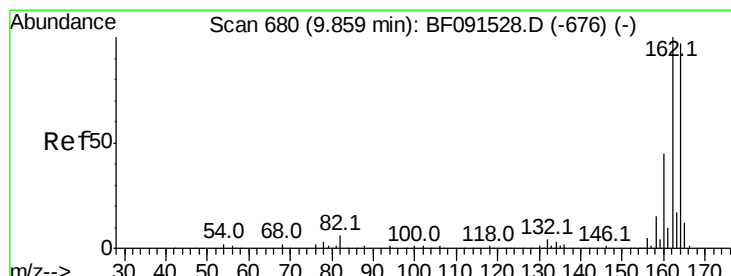
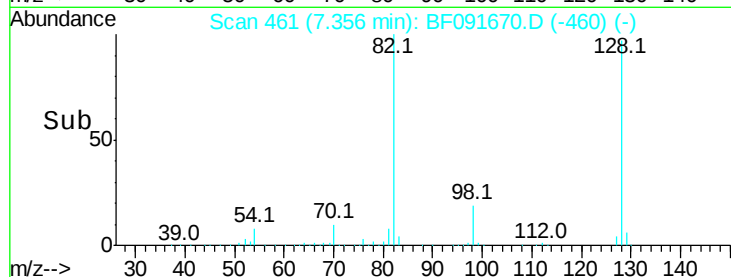
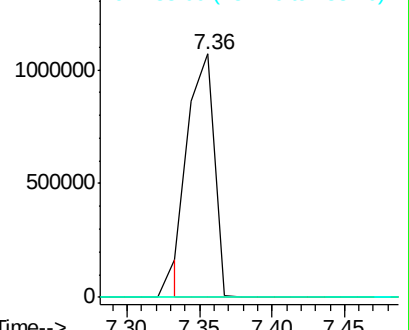
138 0.0 13.4 20.0#



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: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.03 min

Lab File: BF091670.D

Acq: 16 Dec 2016 12:03

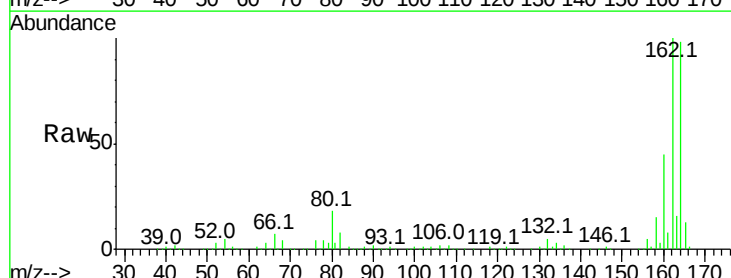
Tgt Ion:164 Resp: 371839

Ion Ratio Lower Upper

164 100

162 102.3 82.6 124.0

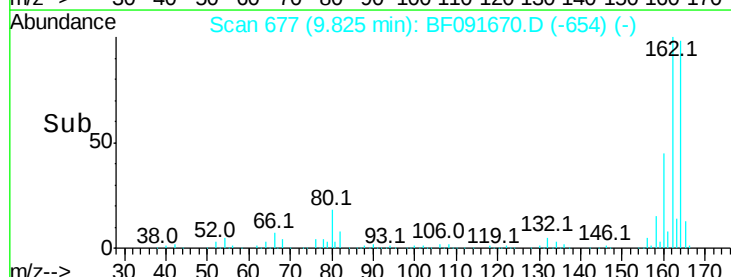
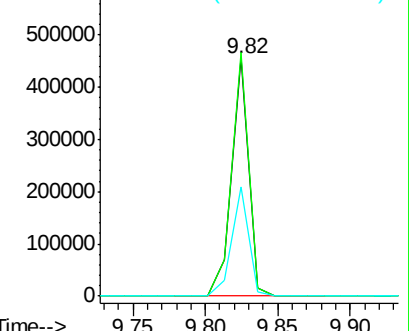
160 45.9 36.7 55.1

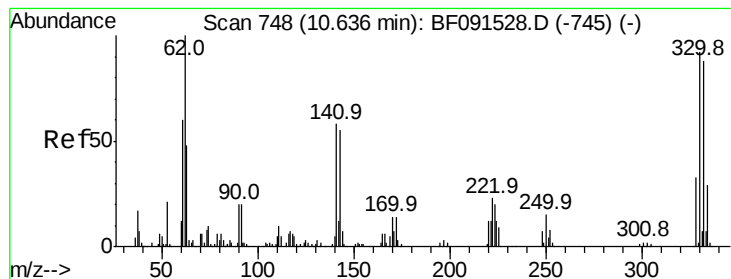


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 103.38 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF091670.D

Acq: 16 Dec 2016 12:03

Instrument :

BNA_F

ClientSampleId :

SS05-1FTRE

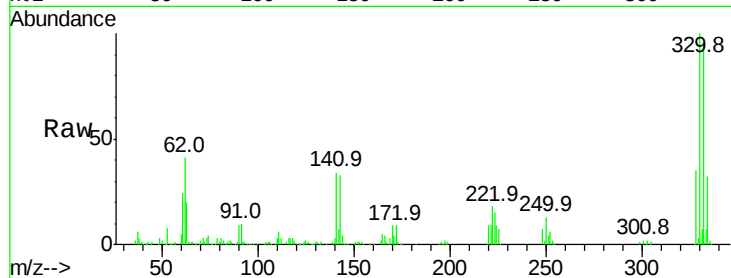
Tot Ion:330 Resp: 319297

Ion Ratio Lower Upper

330 100

332 95.4 76.2 114.4

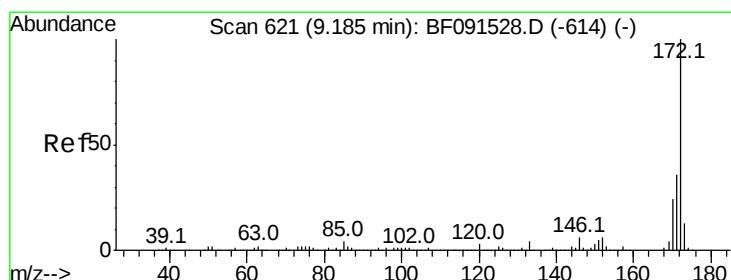
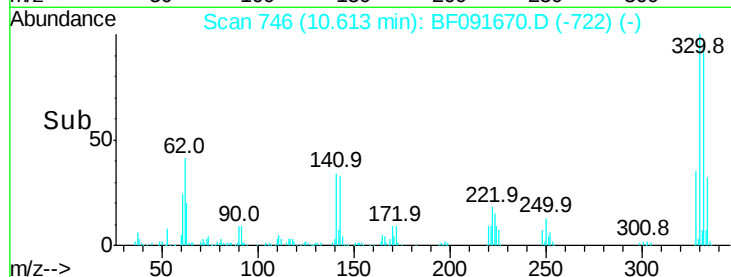
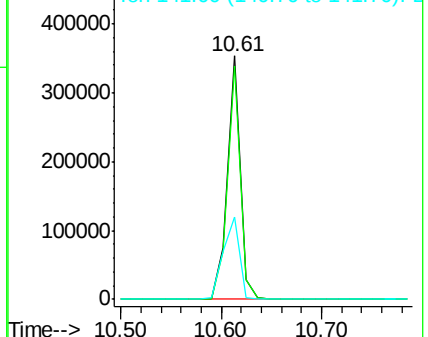
141 42.1 33.6 50.4



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: 86.41 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.03 min

Lab File: BF091670.D

Acq: 16 Dec 2016 12:03

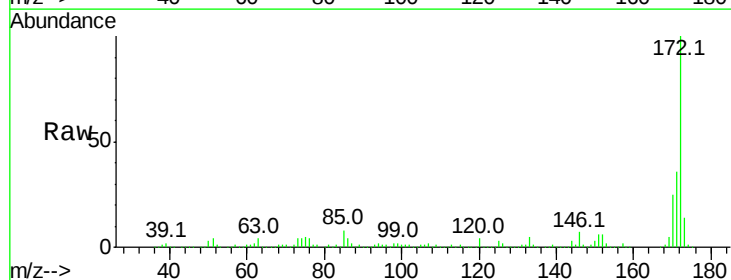
Tgt Ion:172 Resp: 1859488

Ion Ratio Lower Upper

172 100

171 36.0 29.4 44.0

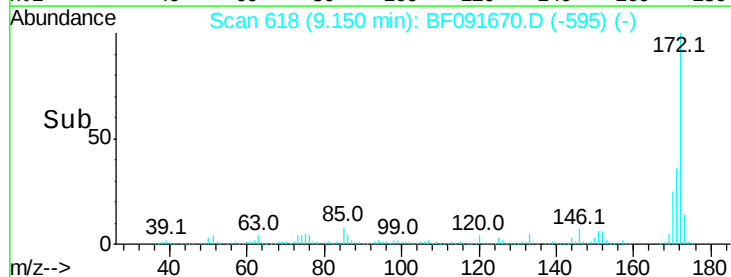
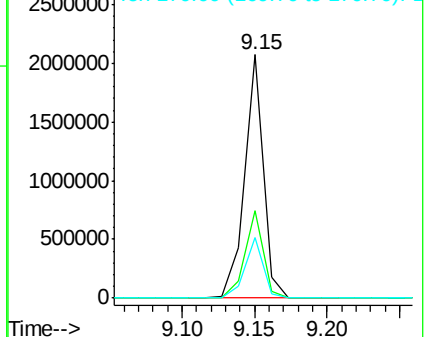
170 25.0 19.7 29.5

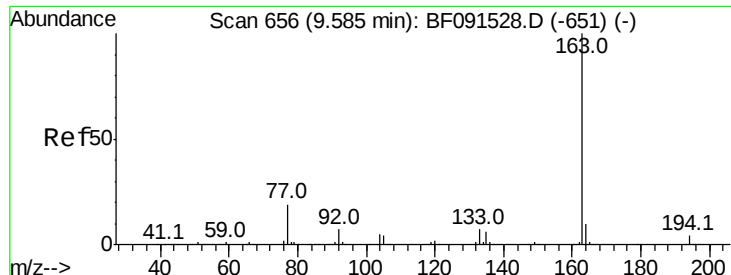


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 34.39 ng

RT: 9.55 min Scan# 653

Delta R.T. -0.03 min

Lab File: BF091670.D

Acq: 16 Dec 2016 12:03

Instrument :

BNA_F

ClientSampleId :

SS05-1FTRE

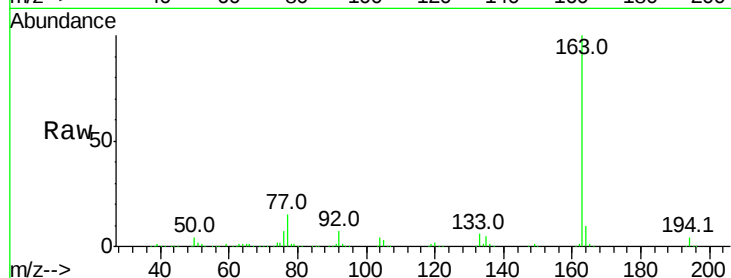
Tot Ion:163 Resp: 809735

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.4

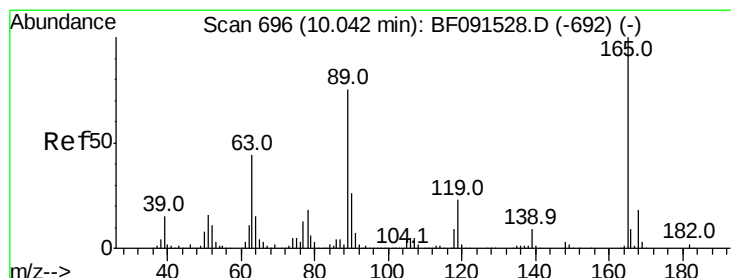
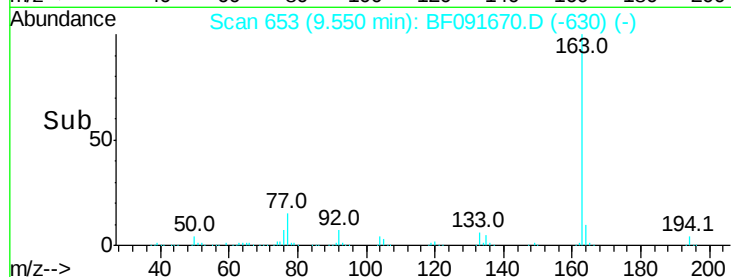
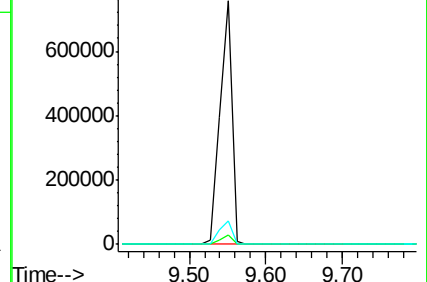
164 9.6 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 7.64 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.22 min

Lab File: BF091670.D

Acq: 16 Dec 2016 12:03

Tgt Ion:165 Resp: 49472

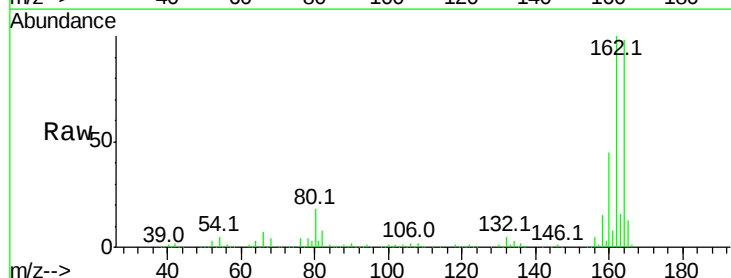
Ion Ratio Lower Upper

165 100

63 0.8 29.0 43.4#

89 1.1 43.1 64.7#

182 0.0 1.9 2.9#

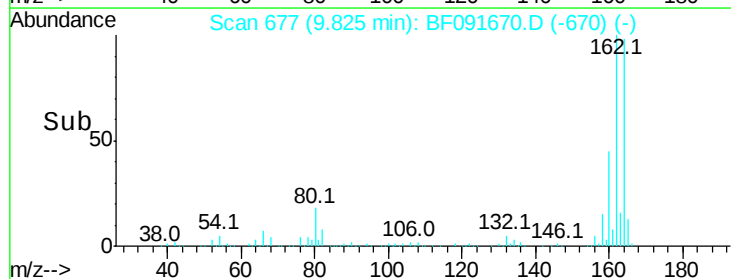
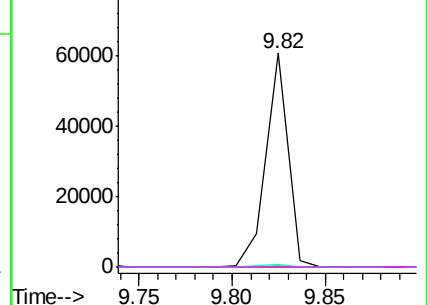


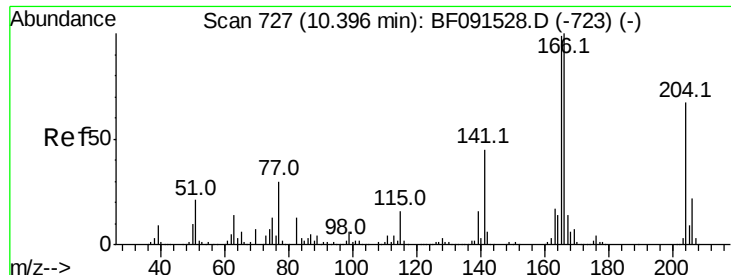
Abundance Ion 165.00 (164.70 to 165.70): E

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

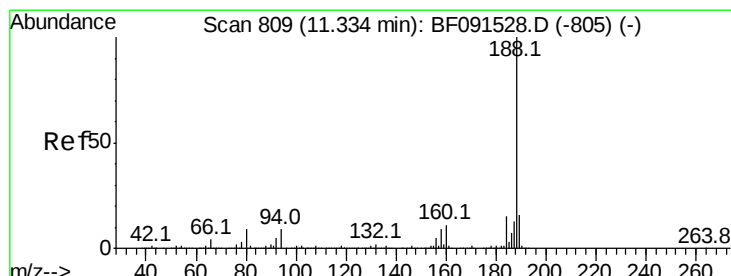
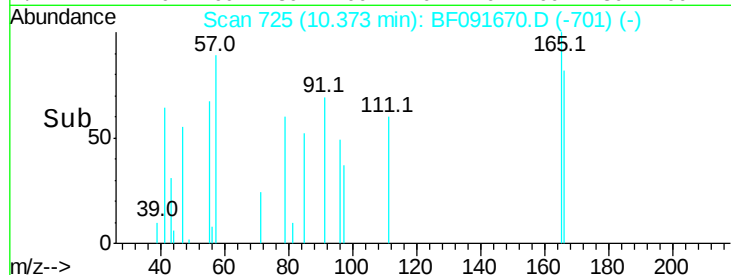
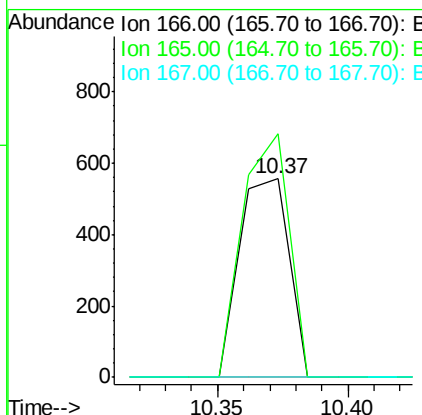
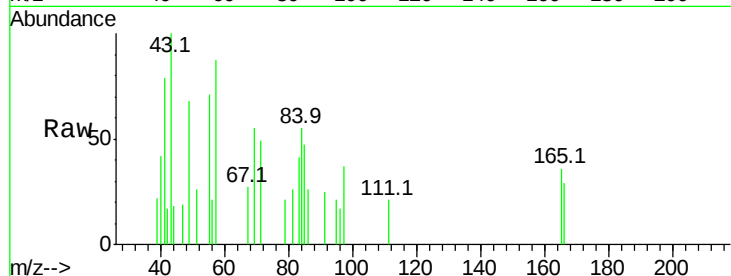




#57
Fluorene
 Concen: Below Cal
 RT: 10.37 min Scan# 725
 Delta R.T. -0.02 min
 Lab File: BF091670.D
 Acq: 16 Dec 2016 12:03

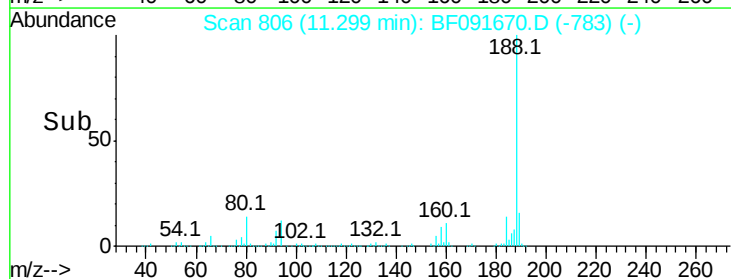
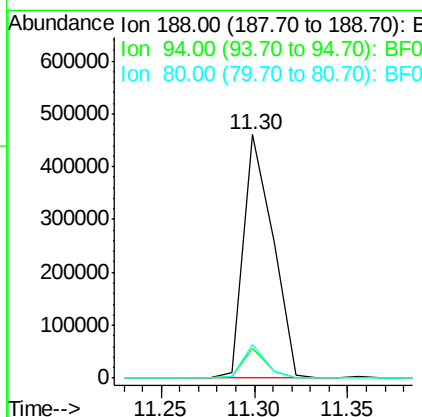
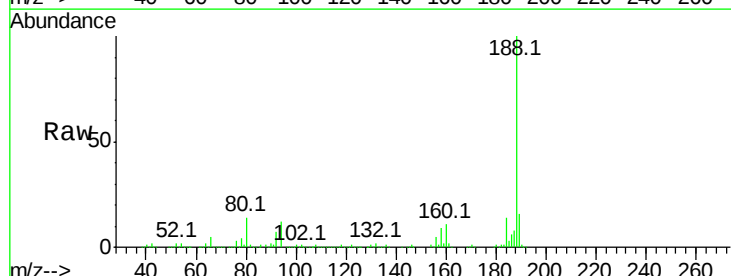
Instrument :
 BNA_F
 ClientSampleId :
 SS05-1FTRE

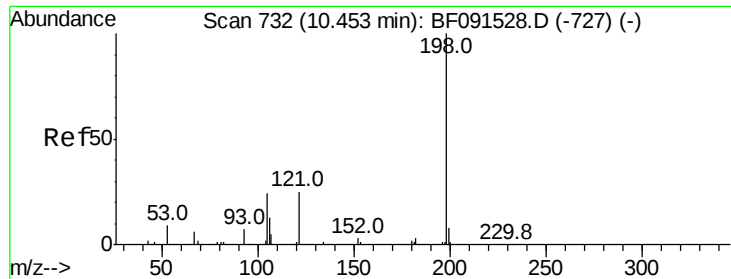
Tot Ion:166 Resp: 745
 Ion Ratio Lower Upper
 166 100
 165 122.7 80.0 120.0#
 167 0.0 10.8 16.2#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.03 min
 Lab File: BF091670.D
 Acq: 16 Dec 2016 12:03

Tgt Ion:188 Resp: 505686
 Ion Ratio Lower Upper
 188 100
 94 12.3 9.2 13.8
 80 14.0 10.5 15.7





#64

4,6-Dinitro-2-methylphenol

Concen: 3.20 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.16 min

Lab File: BF091670.D

Acq: 16 Dec 2016 12:03

Instrument :

BNA_F

ClientSampleId :

SS05-1FTRE

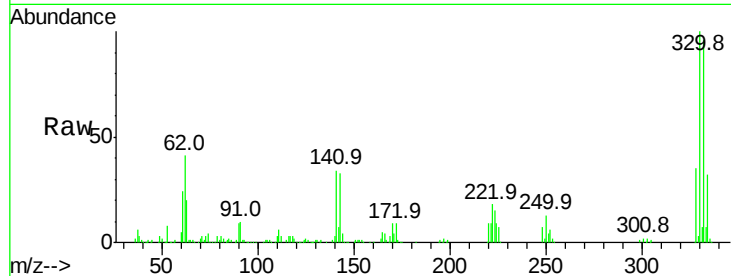
Tot Ion:198 Resp: 849

Ion Ratio Lower Upper

198 100

51 148.4 77.1 117.1#

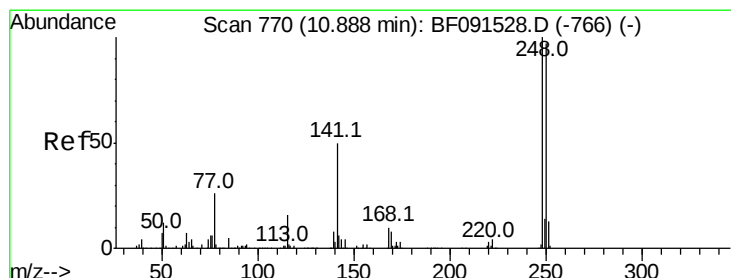
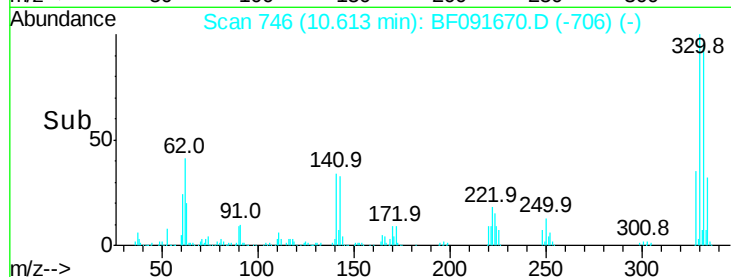
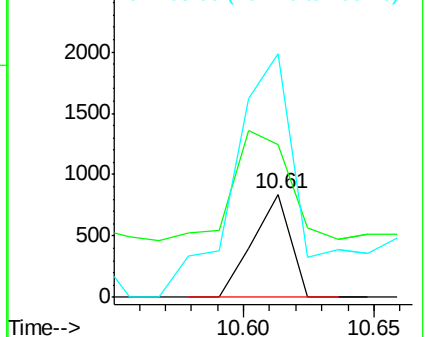
105 236.5 44.8 84.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.21 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.27 min

Lab File: BF091670.D

Acq: 16 Dec 2016 12:03

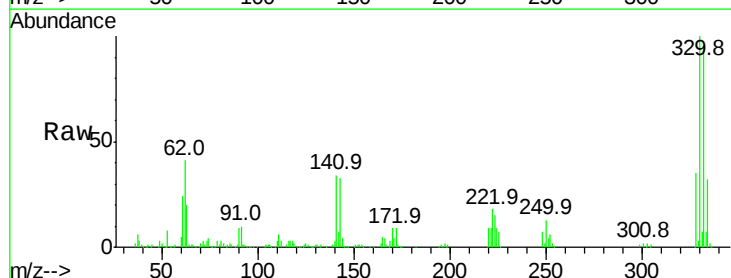
Tgt Ion:248 Resp: 21848

Ion Ratio Lower Upper

248 100

250 192.6 78.2 117.4#

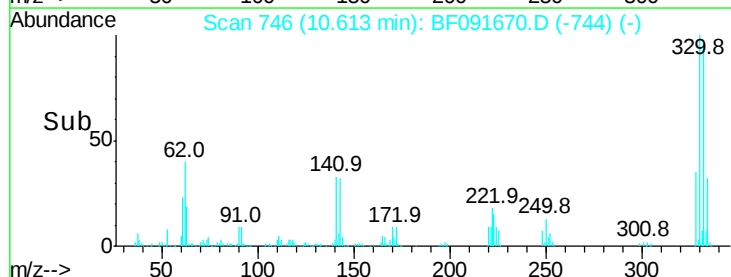
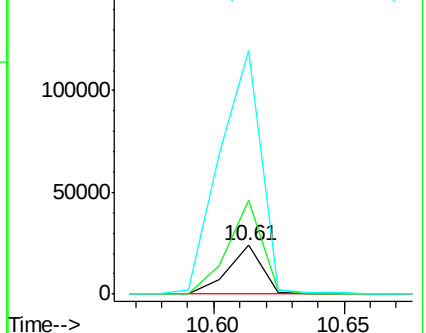
141 500.1 71.9 107.9#

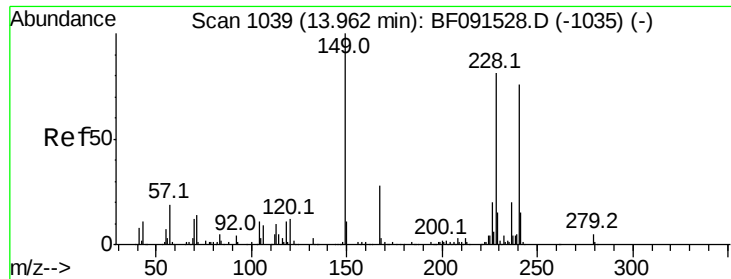


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF091670.D

Acq: 16 Dec 2016 12:03

Instrument :

BNA_F

ClientSampleId :

SS05-1FTRE

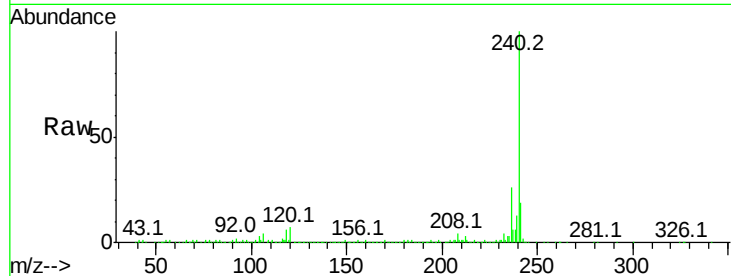
Tot Ion:240 Resp: 462253

Ion Ratio Lower Upper

240 100

120 6.7 12.1 18.1#

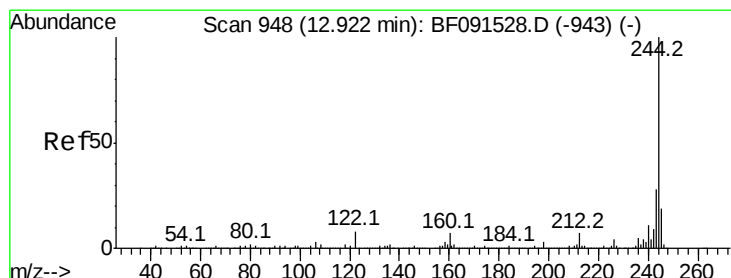
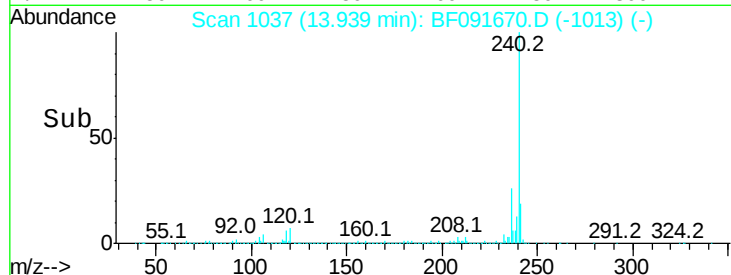
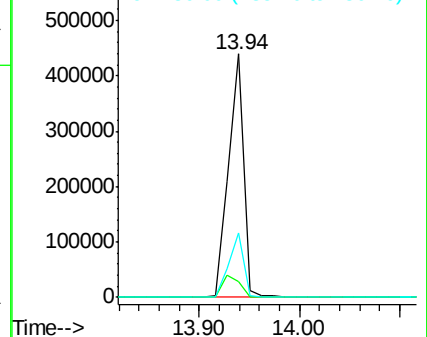
236 26.2 21.0 31.6



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: 55.98 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF091670.D

Acq: 16 Dec 2016 12:03

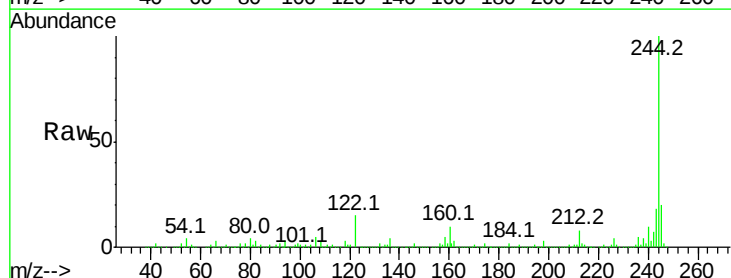
Tgt Ion:244 Resp: 1140445

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

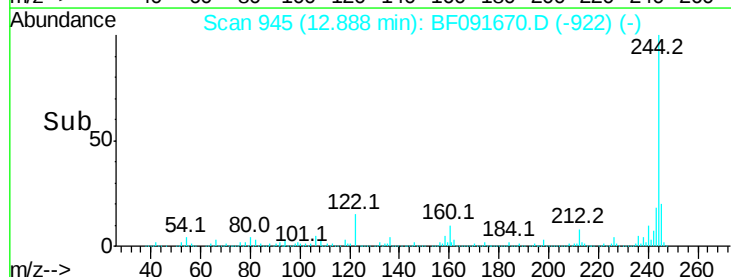
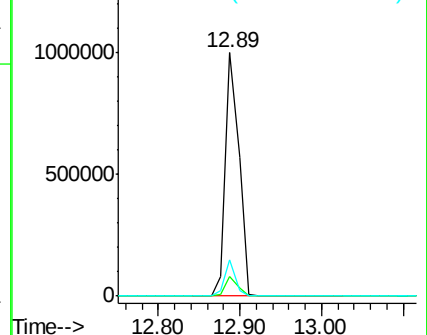
122 14.9 9.5 14.3#

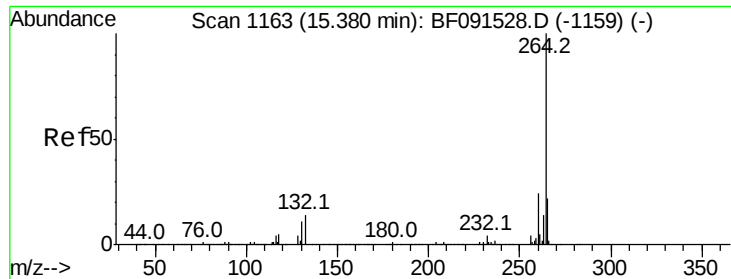


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

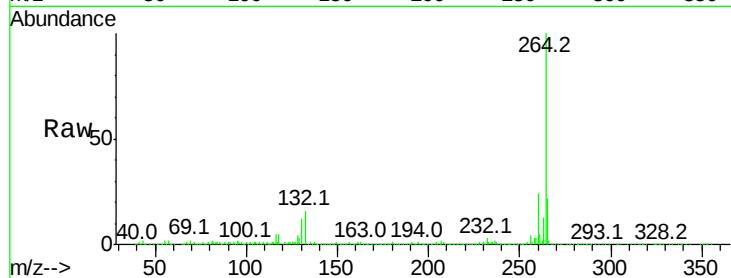




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1160
 Delta R.T. -0.03 min
 Lab File: BF091670.D
 Acq: 16 Dec 2016 12:03

Instrument :
 BNA_F
 ClientSampleId :
 SS05-1FTRE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	21.7	17.0	25.6



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

