

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110816\
 Data File : BF091097.D
 Acq On : 8 Nov 2016 22:12
 Operator : UM/SJ
 Sample : H5537-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V001-BF014-01

Quant Time: Nov 09 00:46:03 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	186846	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	764466	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	391600	20.00	ng	0.00
63) Phenanthrene-d10	11.17	188	617441	20.00	ng	0.00
75) Chrysene-d12	13.80	240	390207	20.00	ng	-0.01
86) Perylene-d12	15.17	264	329566	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	1212127	107.14	ng	0.01
7) Phenol-d6	6.32	99	1569433	102.20	ng	0.00
23) Nitrobenzene-d5	7.23	82	1057081	75.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	387257	109.39	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1509021	66.34	ng	-0.01
78) Terphenyl-d14	12.76	244	1437968	91.96	ng	0.00

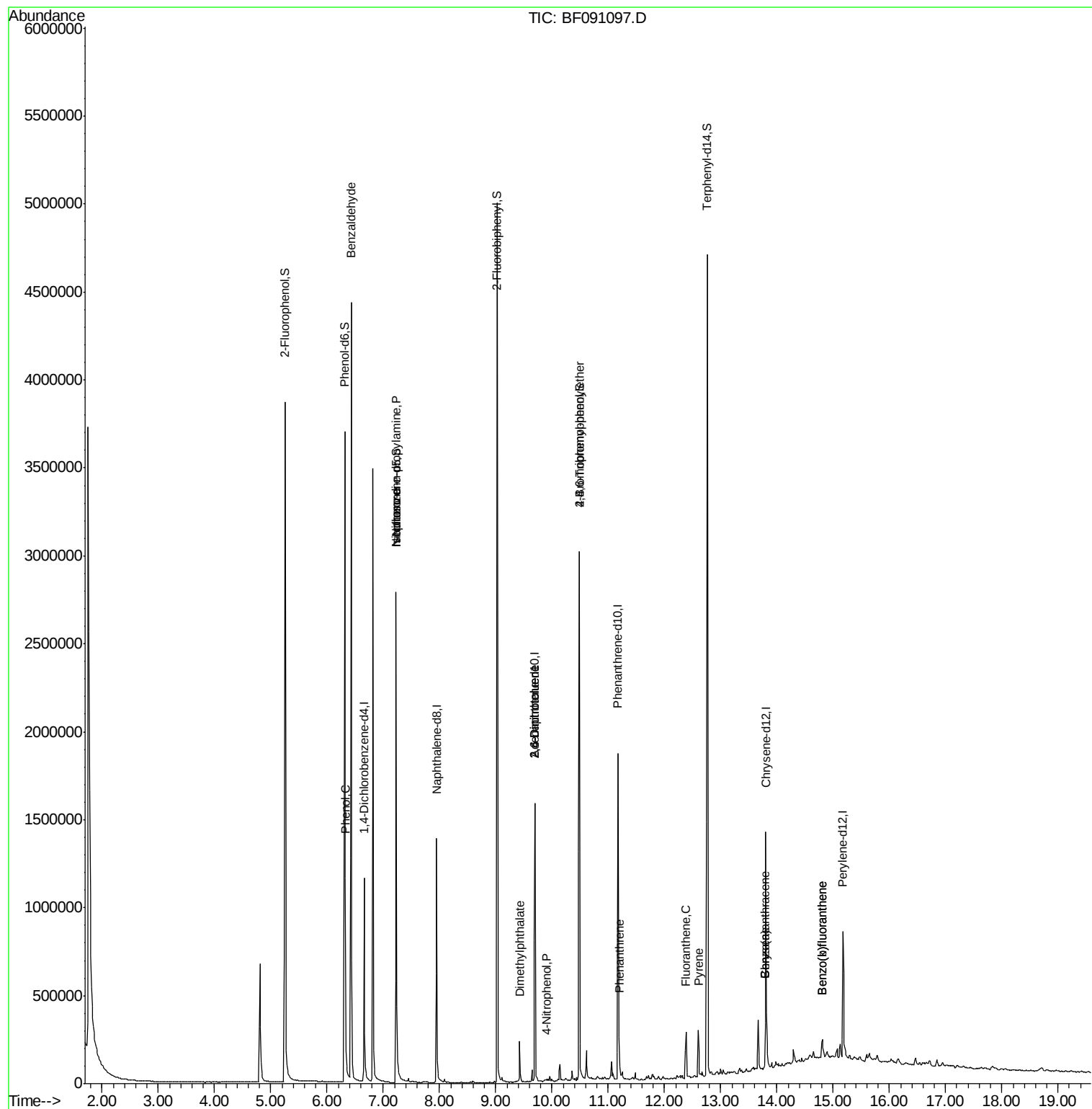
Target Compounds						Qvalue
9) Benzaldehyde	6.43	77	30738	3.61	ng	87
10) Phenol	6.33	94	140518	8.27	ng	# 64
19) n-Nitroso-di-n-propylamine	7.23	70	146262	13.74	ng	# 78
25) Isophorone	7.23	82	903388	33.45	ng	# 67
49) Dimethylphthalate	9.42	163	90203	3.51	ng	99
50) 2,6-Dinitrotoluene	9.70	165	50239	9.13	ng	# 11
55) 4-Nitrophenol	9.90	139	1055	5.96	ng	# 1
56) 2,4-Dinitrotoluene	9.70	165	50241	7.18	ng	# 26
66) 4-Bromophenyl-phenylether	10.49	248	28036	4.37	ng	# 1
70) Phenanthrene	11.20	178	75403	2.30	ng	99
74) Fluoranthene	12.39	202	130436	3.83	ng	90
77) Pyrene	12.60	202	119956	4.69	ng	97
80) Benzo(a)anthracene	13.79	228	54437	2.46	ng	100
82) Chrysene	13.79	228	54437	2.49	ng	96
87) Benzo(b)fluoranthene	14.81	252	74173	3.32	ng	# 94
88) Benzo(k)fluoranthene	14.81	252	74173	3.78	ng	98

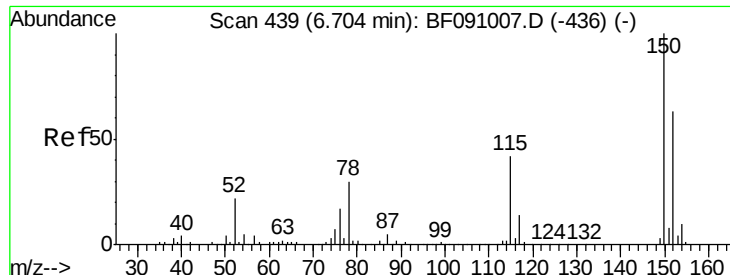
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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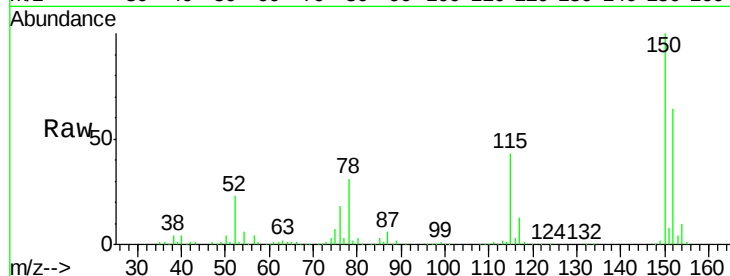




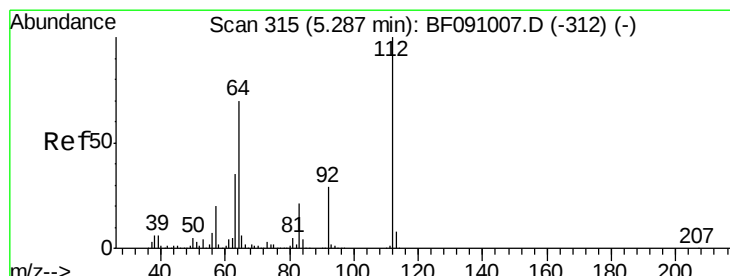
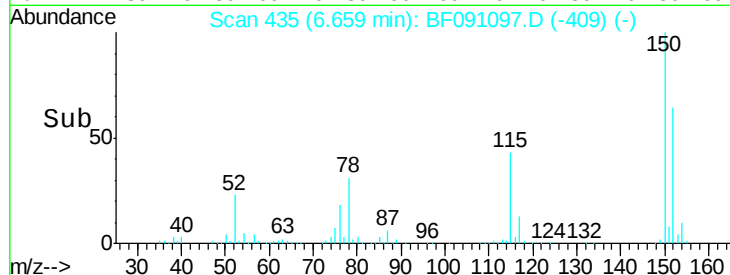
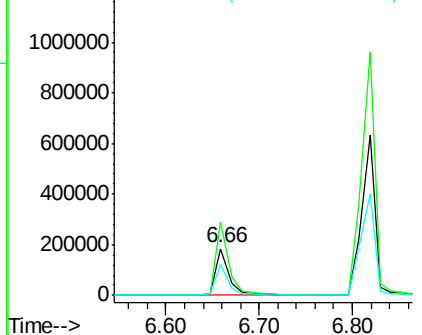
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.66 min Scan# 435
 Delta R.T. 0.00 min
 Lab File: BF091097.D
 Acq: 8 Nov 2016 22:12

Instrument :
 BNA_F
 ClientSampleId :
 V001-BF014-01

Tgt Ion:152 Resp: 186846
 Ion Ratio Lower Upper
 152 100
 150 156.7 126.8 190.2
 115 67.6 53.3 79.9

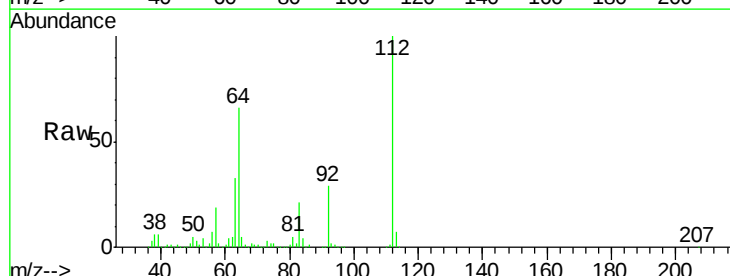


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

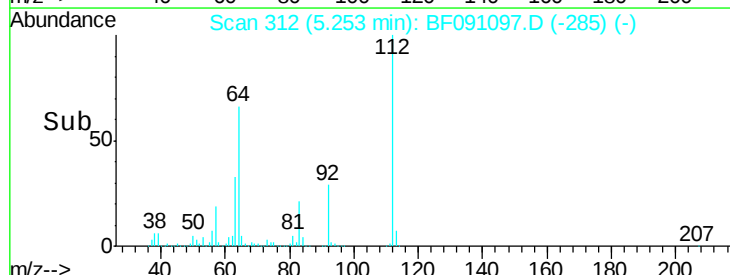
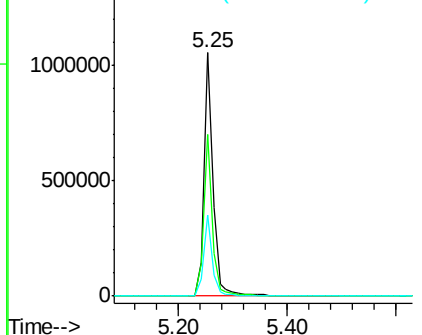


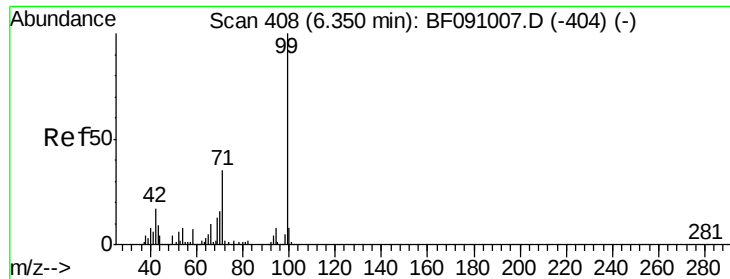
#5
 2-Fluorophenol
 Concen: 107.14 ng
 RT: 5.25 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: BF091097.D
 Acq: 8 Nov 2016 22:12

Tgt Ion:112 Resp: 1212127
 Ion Ratio Lower Upper
 112 100
 64 66.2 55.8 83.6
 63 33.5 28.0 42.0



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: 102.20 ng

RT: 6.32 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF091097.D

Acq: 8 Nov 2016 22:12

Instrument :

BNA_F

ClientSampleId :

V001-BF014-01

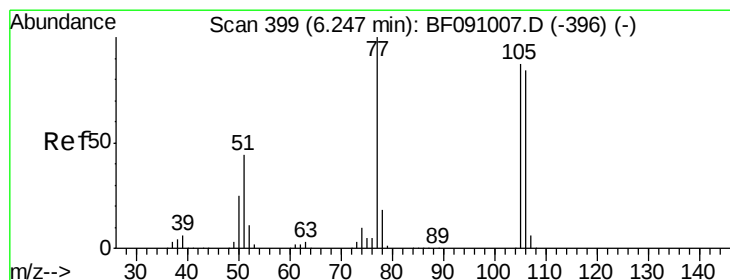
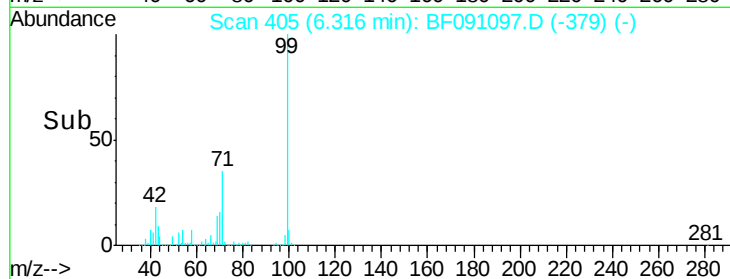
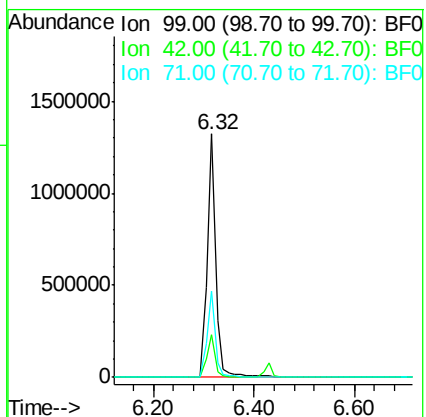
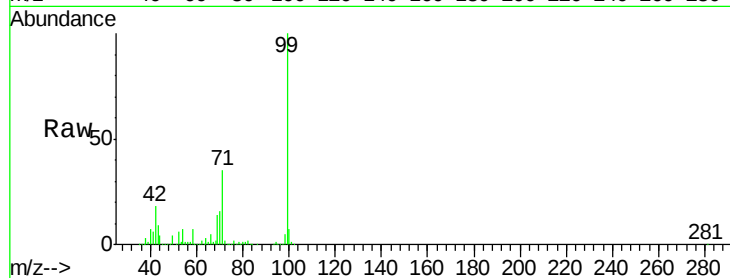
Tgt Ion: 99 Resp: 1569433

Ion Ratio Lower Upper

99 100

42 17.6 13.9 20.9

71 35.3 27.8 41.8



#9

Benzaldehyde

Concen: 3.61 ng

RT: 6.43 min Scan# 415

Delta R.T. 0.23 min

Lab File: BF091097.D

Acq: 8 Nov 2016 22:12

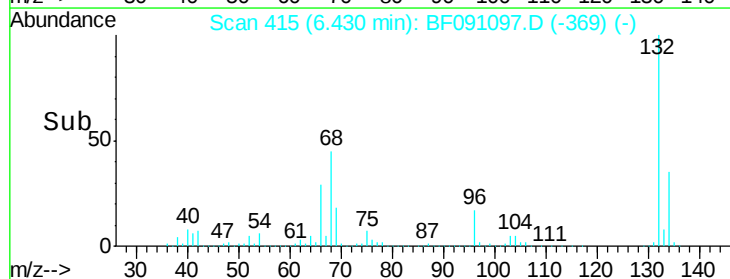
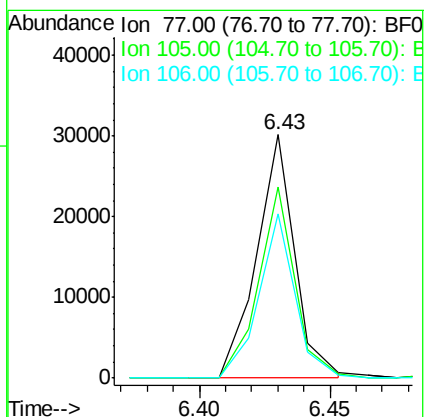
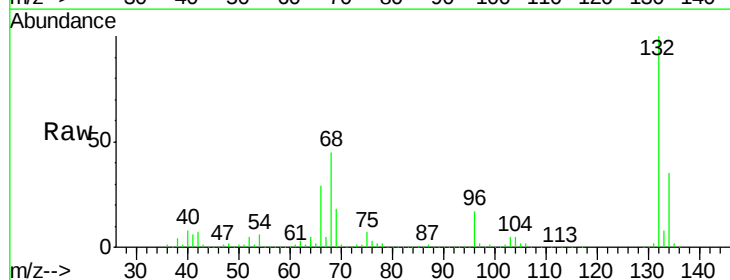
Tgt Ion: 77 Resp: 30738

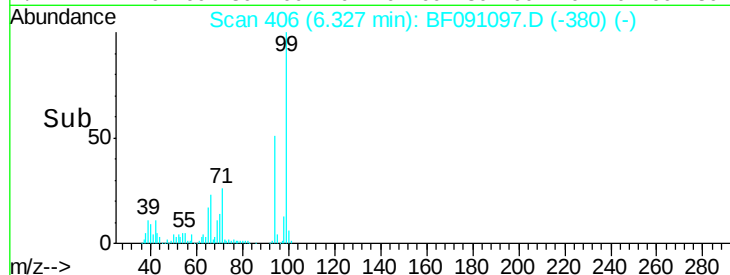
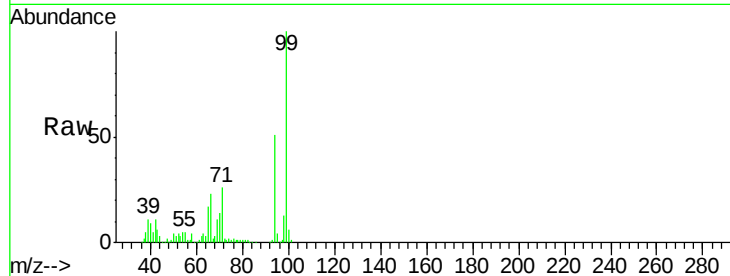
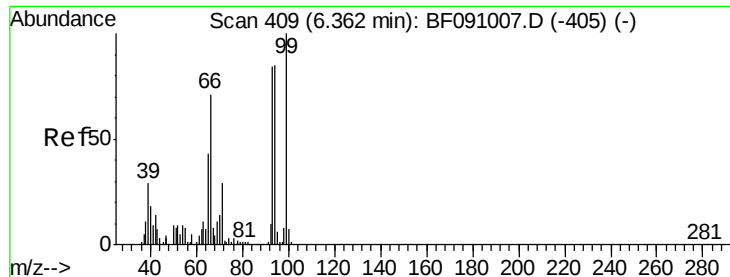
Ion Ratio Lower Upper

77 100

105 78.6 66.8 106.8

106 67.7 64.0 104.0





#10

Phenol

Concen: 8.27 ng

RT: 6.33 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF091097.D

Acq: 8 Nov 2016 22:12

Instrument :

BNA_F

ClientSampleId :

V001-BF014-01

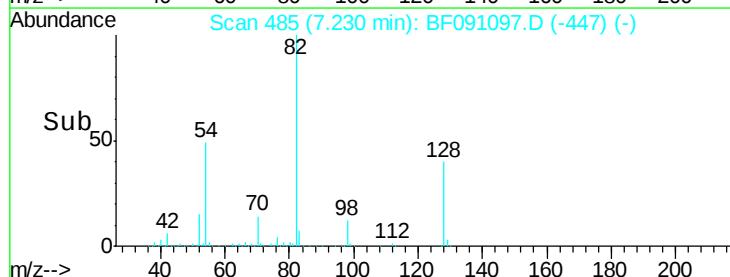
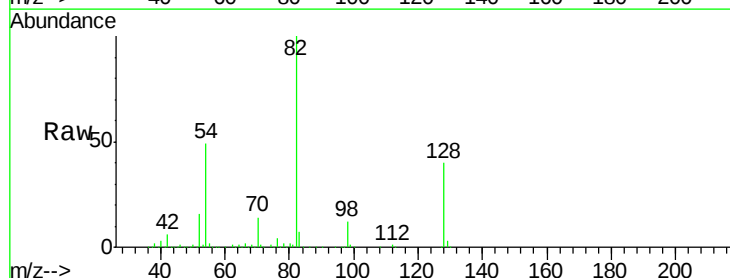
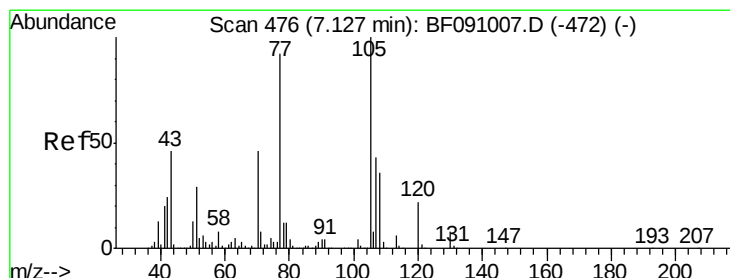
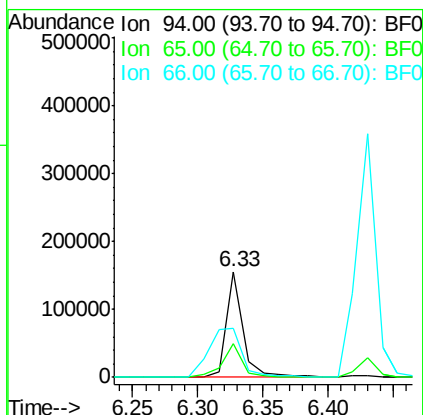
Tgt Ion: 94 Resp: 140518

Ion Ratio Lower Upper

94 100

65 32.4 30.4 70.4

66 45.7 62.9 102.9#



#19

n-Nitroso-di-n-propylamine

Concen: 13.74 ng

RT: 7.23 min Scan# 485

Delta R.T. 0.14 min

Lab File: BF091097.D

Acq: 8 Nov 2016 22:12

Tgt Ion: 70 Resp: 146262

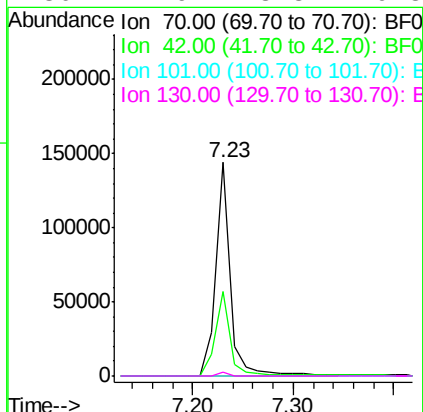
Ion Ratio Lower Upper

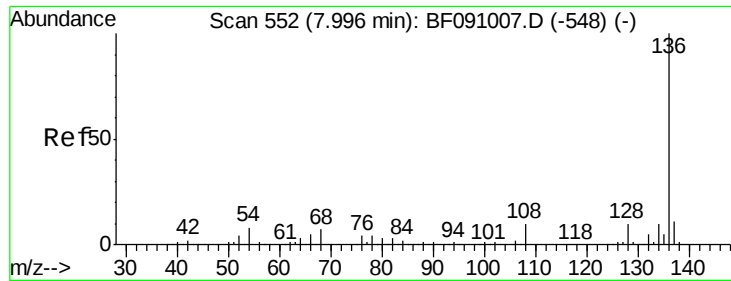
70 100

42 39.4 41.7 62.5#

101 0.0 6.7 10.1#

130 1.9 13.8 20.8#

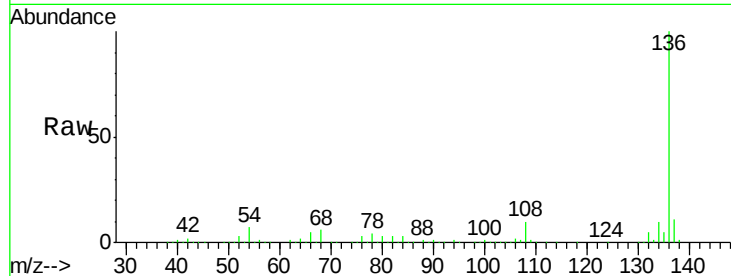




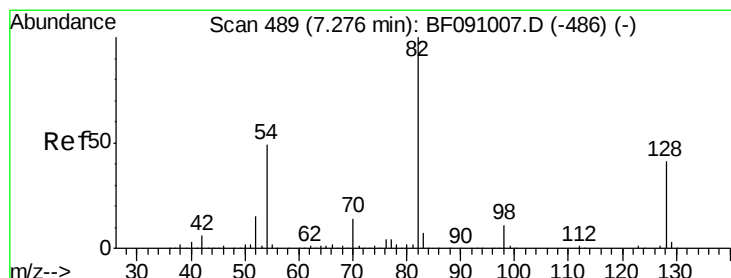
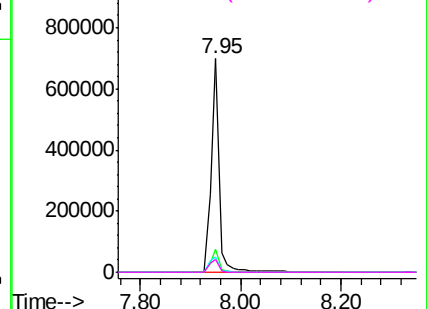
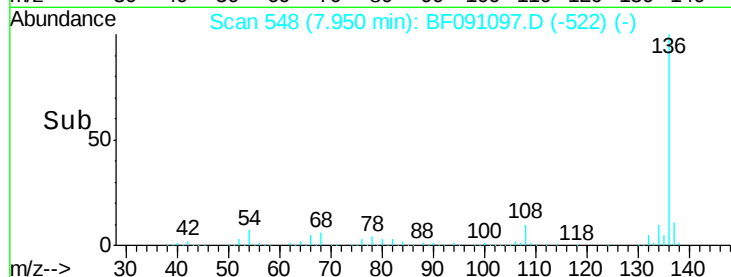
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 548
Delta R.T. 0.00 min
Lab File: BF091097.D
Acq: 8 Nov 2016 22:12

Instrument :
BNA_F
ClientSampleId :
V001-BF014-01

Tgt Ion:	136	Resp:	764466
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.0	6.2	9.2
68	6.1	5.5	8.3

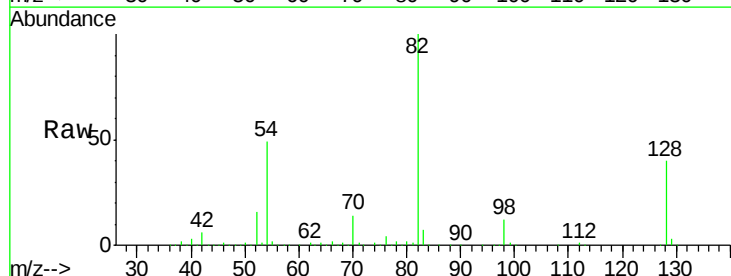


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

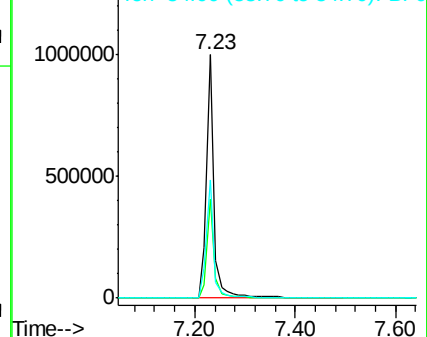
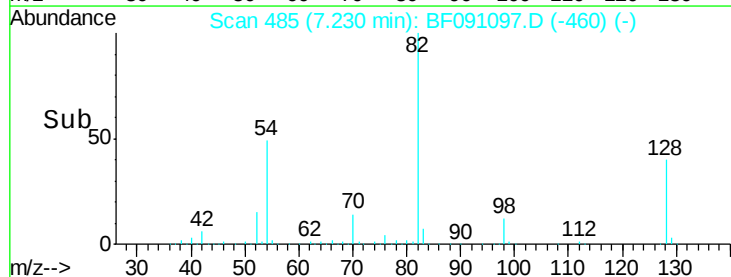


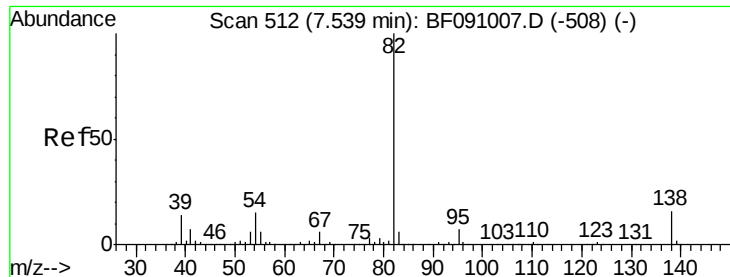
#23
Nitrobenzene-d5
Concen: 75.43 ng
RT: 7.23 min Scan# 485
Delta R.T. -0.01 min
Lab File: BF091097.D
Acq: 8 Nov 2016 22:12

Tgt Ion:	82	Resp:	1057081
Ion	Ratio	Lower	Upper
82	100		
128	40.4	32.4	48.6
54	48.7	39.2	58.8



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: 33.45 ng

RT: 7.23 min Scan# 485

Delta R.T. -0.26 min

Lab File: BF091097.D

Acq: 8 Nov 2016 22:12

Instrument :

BNA_F

ClientSampleId :

V001-BF014-01

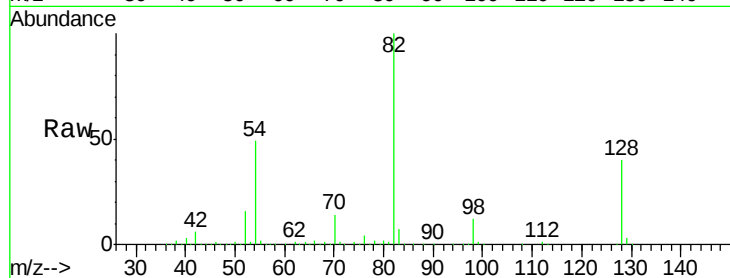
Tgt Ion: 82 Resp: 903388

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

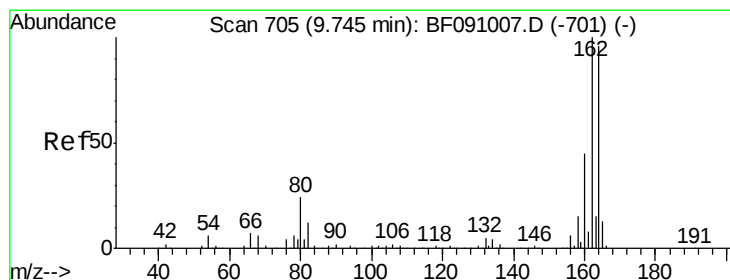
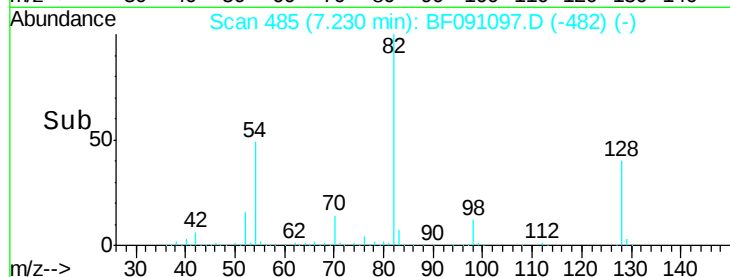
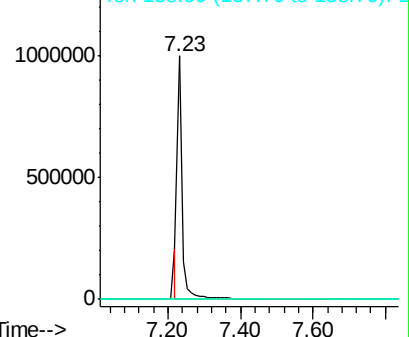
138 0.0 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 701

Delta R.T. 0.00 min

Lab File: BF091097.D

Acq: 8 Nov 2016 22:12

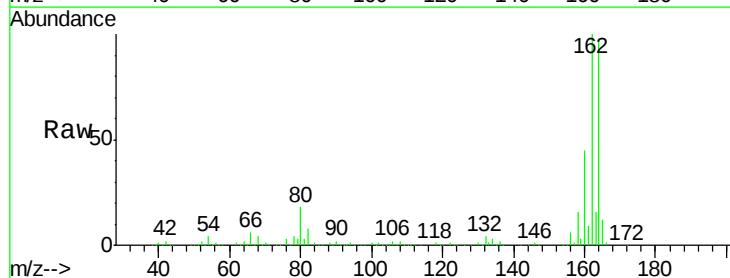
Tgt Ion: 164 Resp: 391600

Ion Ratio Lower Upper

164 100

162 103.4 83.6 125.4

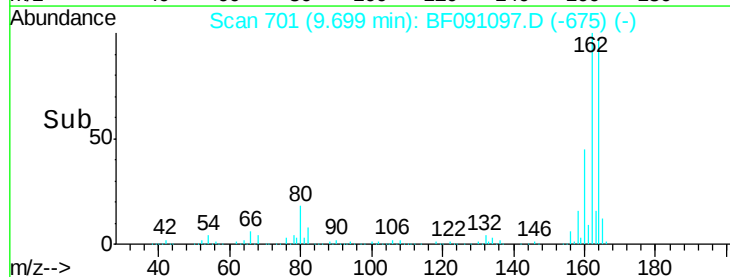
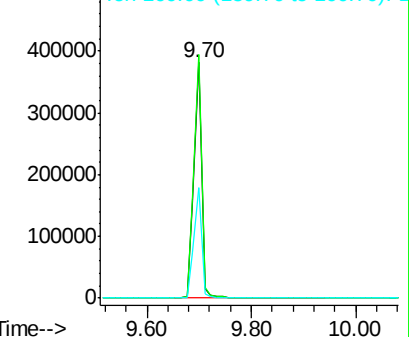
160 47.0 37.9 56.9

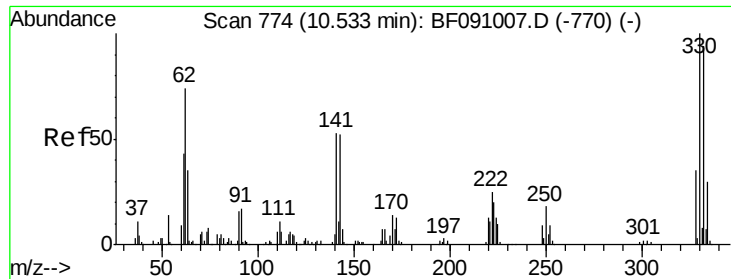


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

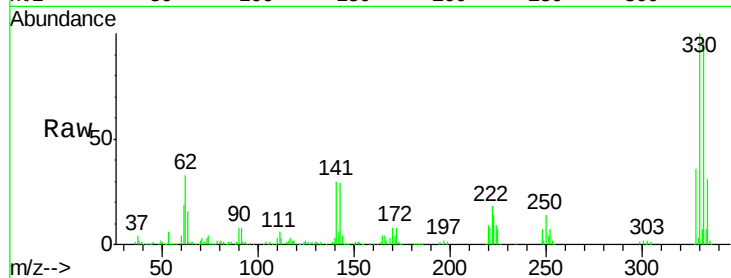




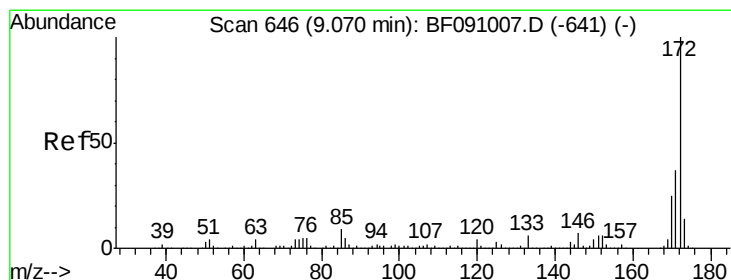
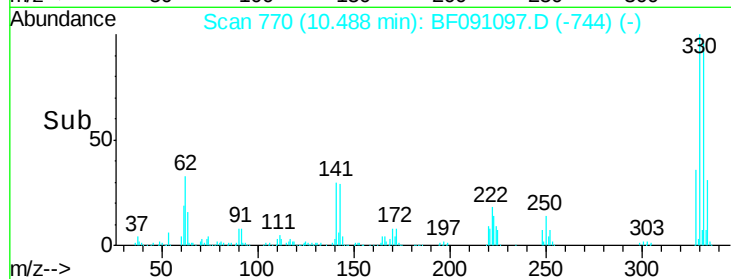
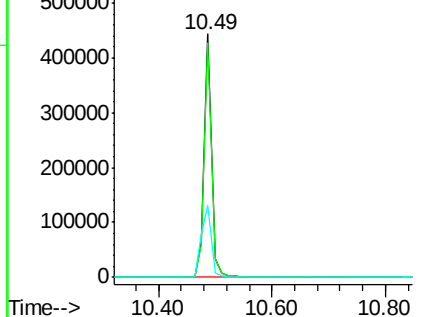
#41
 2,4,6-Tribromophenol
 Concen: 109.39 ng
 RT: 10.49 min Scan# 770
 Delta R.T. 0.00 min
 Lab File: BF091097.D
 Acq: 8 Nov 2016 22:12

Instrument :
 BNA_F
 ClientSampleId :
 V001-BF014-01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.9	113.9
141	40.6	36.1	54.1

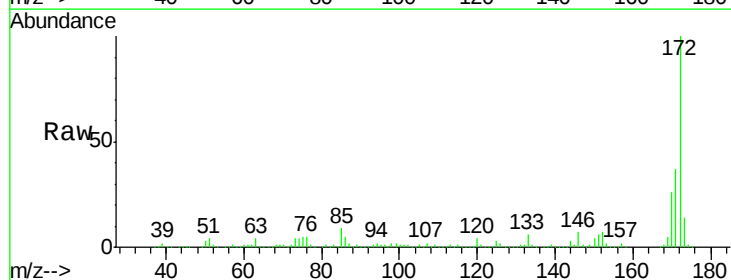


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

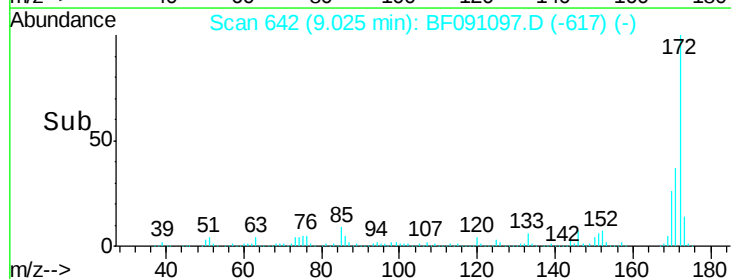
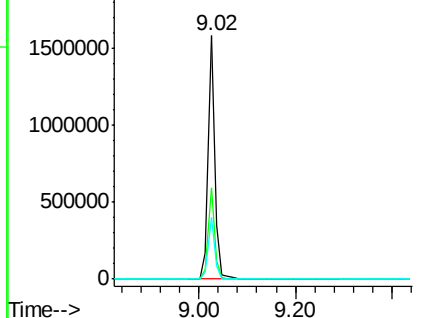


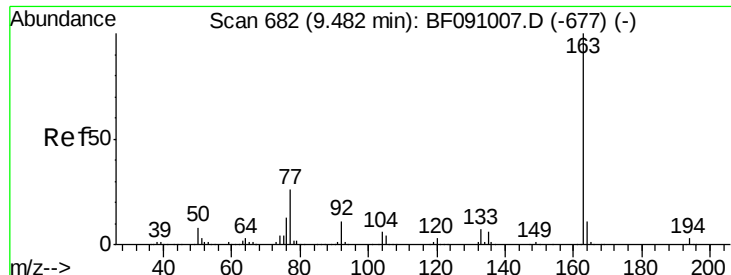
#44
 2-Fluorobiphenyl
 Concen: 66.34 ng
 RT: 9.02 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: BF091097.D
 Acq: 8 Nov 2016 22:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.8	44.6
170	25.6	20.3	30.5



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

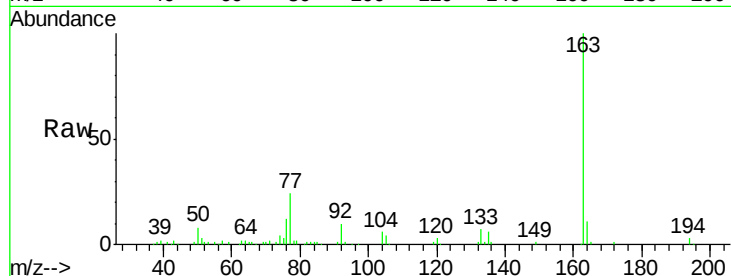




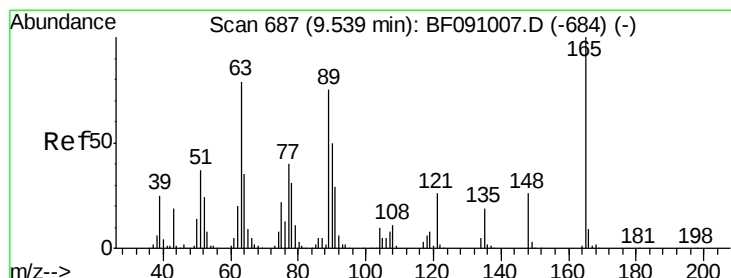
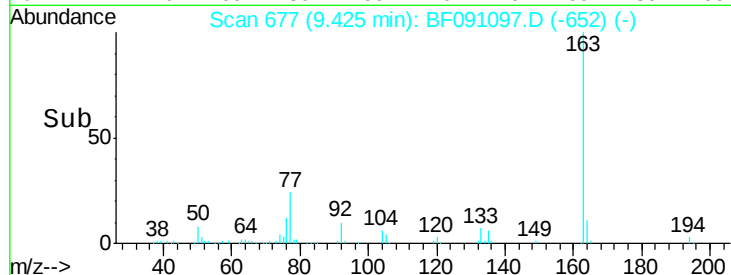
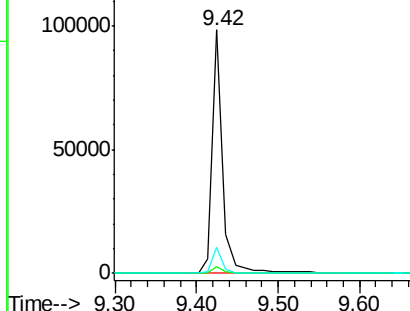
#49
Dimethylphthalate
Concen: 3.51 ng
RT: 9.42 min Scan# 677
Delta R.T. -0.01 min
Lab File: BF091097.D
Acq: 8 Nov 2016 22:12

Instrument :
BNA_F
ClientSampleId :
V001-BF014-01

Tgt Ion:163 Resp: 90203
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.5 8.7 13.1

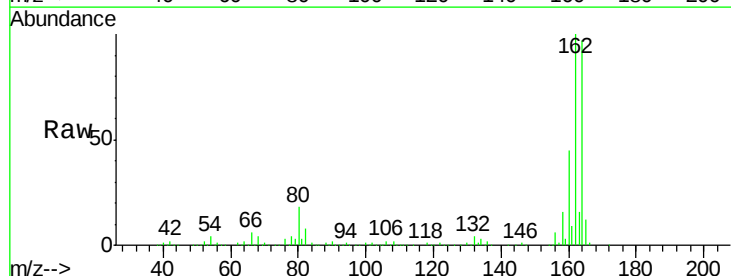


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

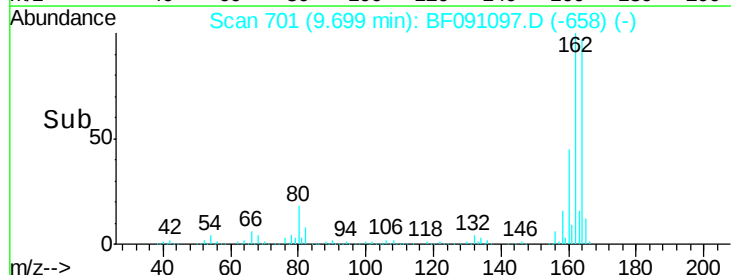
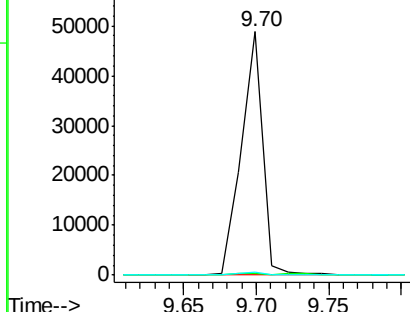


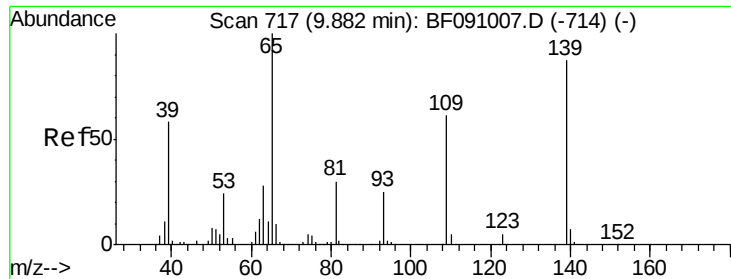
#50
2,6-Dinitrotoluene
Concen: 9.13 ng
RT: 9.70 min Scan# 701
Delta R.T. 0.19 min
Lab File: BF091097.D
Acq: 8 Nov 2016 22:12

Tgt Ion:165 Resp: 50239
Ion Ratio Lower Upper
165 100
63 0.7 65.6 98.4#
89 1.0 59.8 89.6#



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

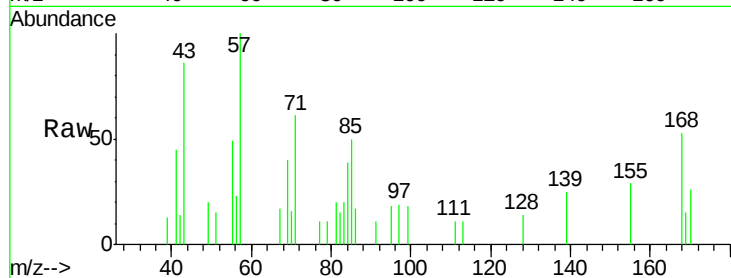




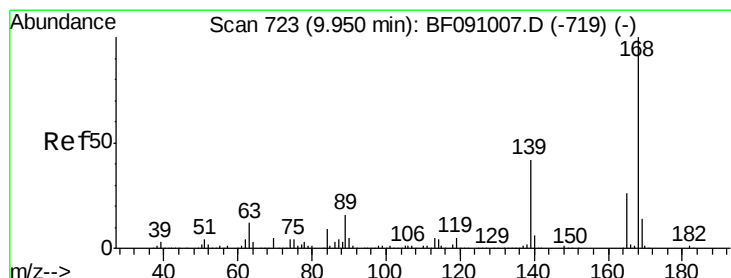
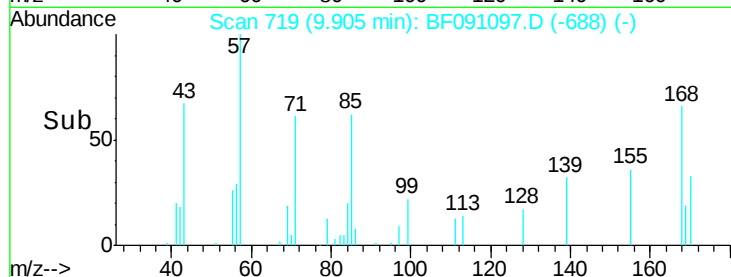
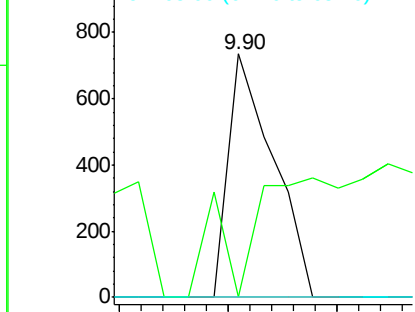
#55
4-Nitrophenol
Concen: 5.96 ng
RT: 9.90 min Scan# 719
Delta R.T. 0.06 min
Lab File: BF091097.D
Acq: 8 Nov 2016 22:12

Instrument :
BNA_F
ClientSampleId :
V001-BF014-01

Tgt Ion:139 Resp: 1055
Ion Ratio Lower Upper
139 100
109 0.0 50.5 90.5#
65 0.0 97.1 137.1#

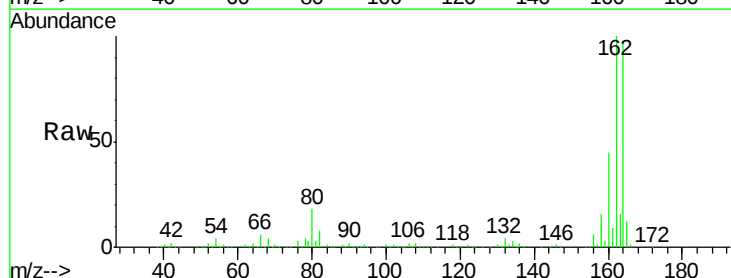


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

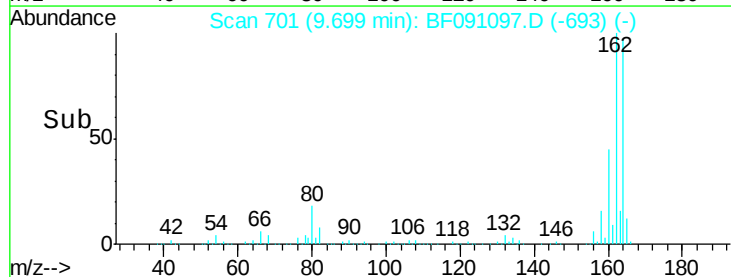
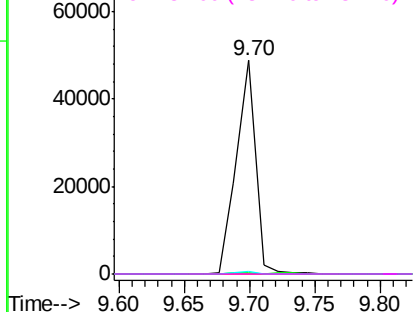


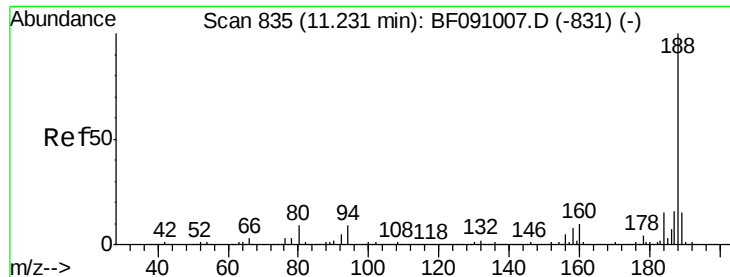
#56
2,4-Dinitrotoluene
Concen: 7.18 ng
RT: 9.70 min Scan# 701
Delta R.T. -0.21 min
Lab File: BF091097.D
Acq: 8 Nov 2016 22:12

Tgt Ion:165 Resp: 50241
Ion Ratio Lower Upper
165 100
63 0.7 38.7 58.1#
89 1.0 50.6 76.0#
182 0.0 1.8 2.8#



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

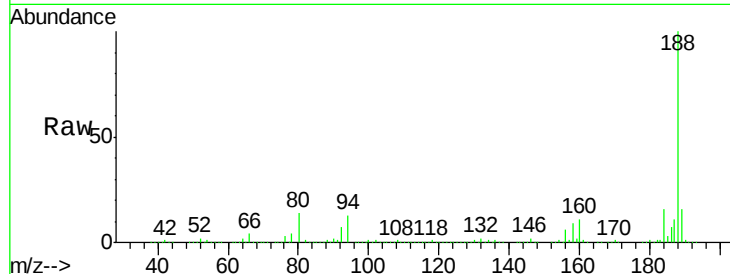




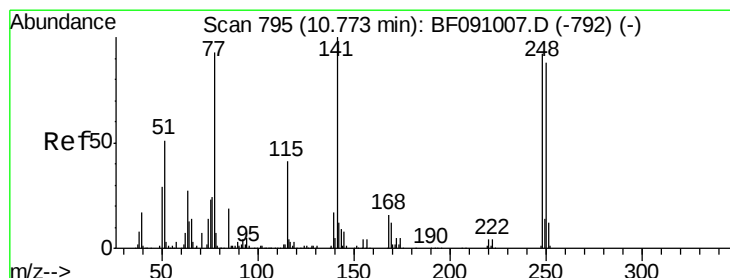
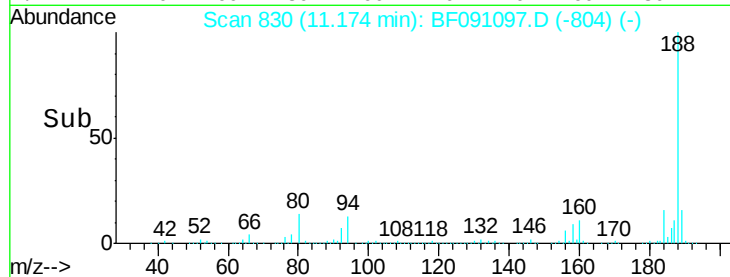
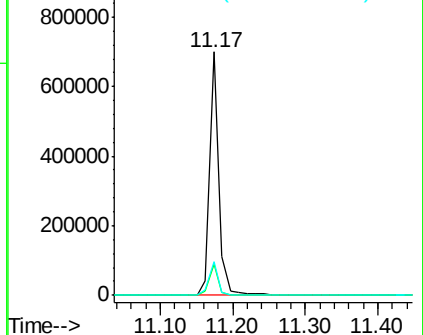
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF091097.D
Acq: 8 Nov 2016 22:12

Instrument :
BNA_F
ClientSampleId :
V001-BF014-01

Tgt Ion:188 Resp: 617441
Ion Ratio Lower Upper
188 100
94 12.6 7.0 10.4#
80 13.7 7.5 11.3#

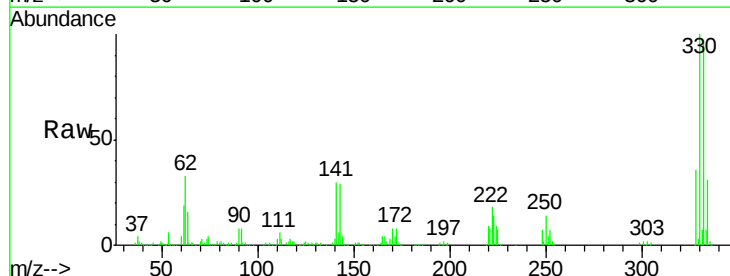


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

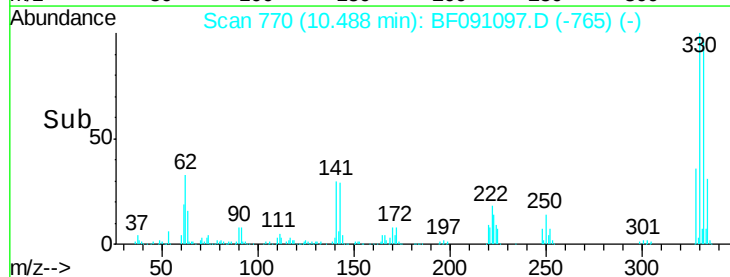
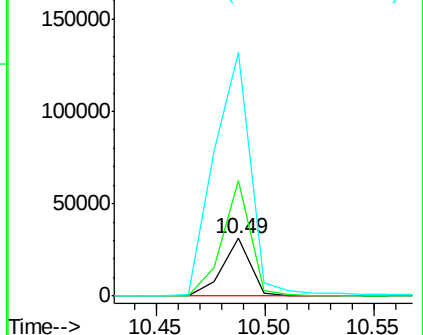


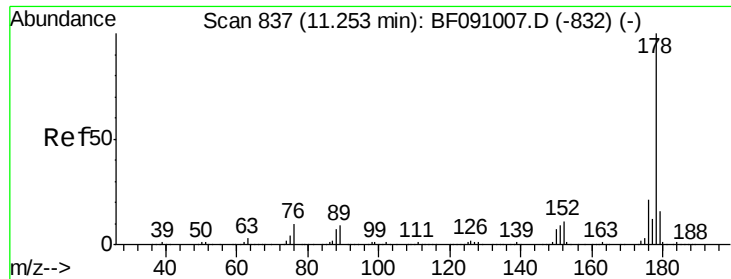
#66
4-Bromophenyl-phenylether
Concen: 4.37 ng
RT: 10.49 min Scan# 770
Delta R.T. -0.24 min
Lab File: BF091097.D
Acq: 8 Nov 2016 22:12

Tgt Ion:248 Resp: 28036
Ion Ratio Lower Upper
248 100
250 200.1 76.3 114.5#
141 423.1 86.8 130.2#



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

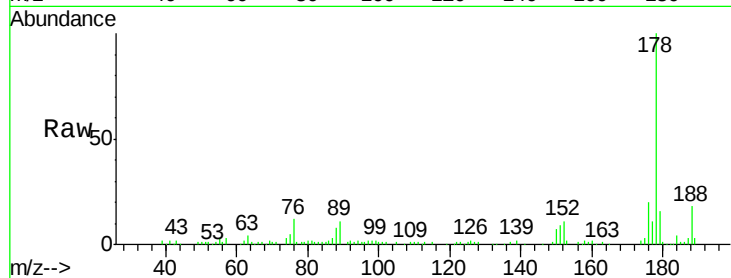




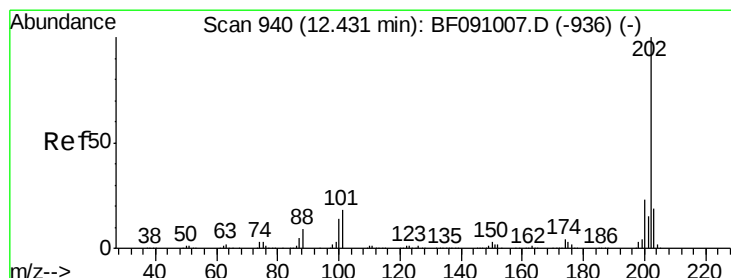
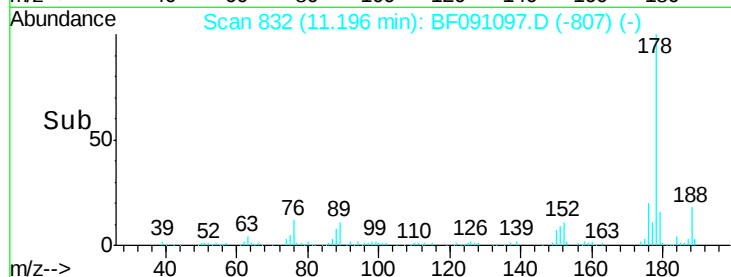
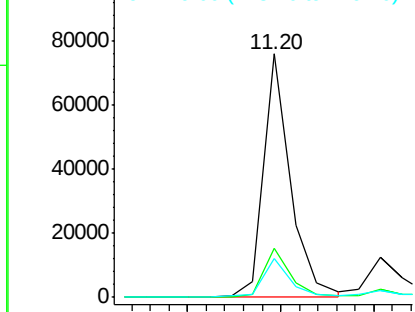
#70
Phenanthrene
Concen: 2.30 ng
RT: 11.20 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF091097.D
Acq: 8 Nov 2016 22:12

Instrument :
BNA_F
ClientSampleId :
V001-BF014-01

Tgt Ion:178 Resp: 75403
Ion Ratio Lower Upper
178 100
176 20.3 16.6 25.0
179 15.9 12.9 19.3

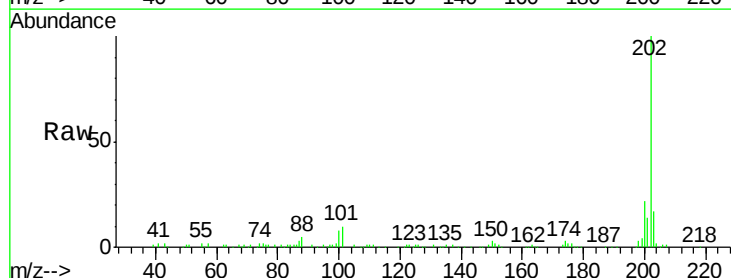


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

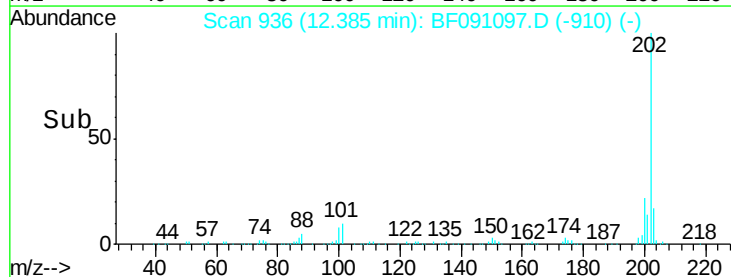
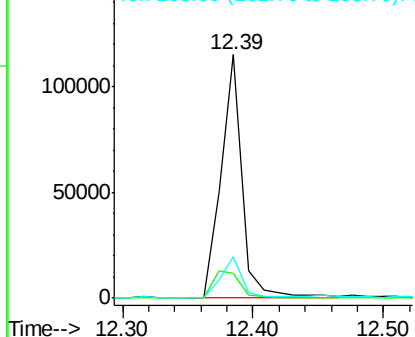


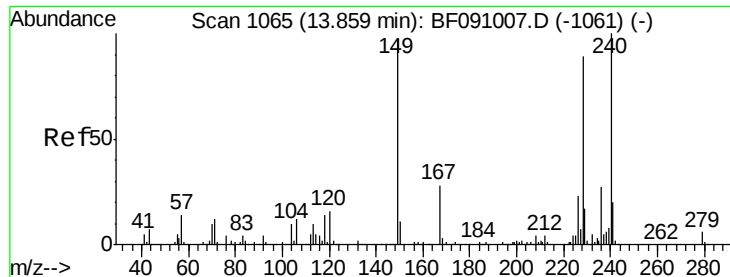
#74
Fluoranthene
Concen: 3.83 ng
RT: 12.39 min Scan# 936
Delta R.T. 0.00 min
Lab File: BF091097.D
Acq: 8 Nov 2016 22:12

Tgt Ion:202 Resp: 130436
Ion Ratio Lower Upper
202 100
101 10.4 0.0 37.6
203 16.9 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF091097.D

Acq: 8 Nov 2016 22:12

Instrument :

BNA_F

ClientSampleId :

V001-BF014-01

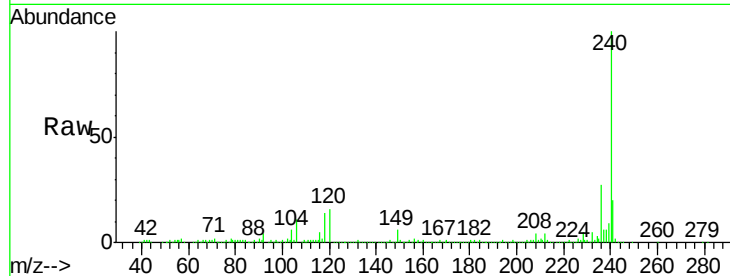
Tgt Ion:240 Resp: 390207

Ion Ratio Lower Upper

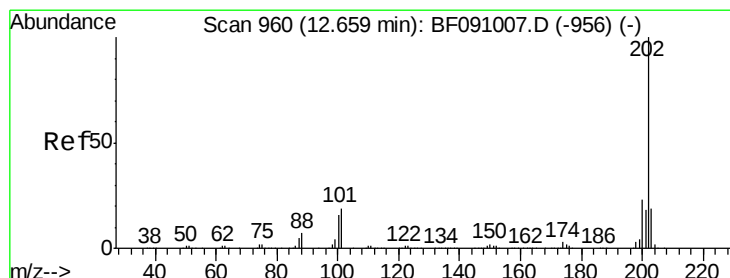
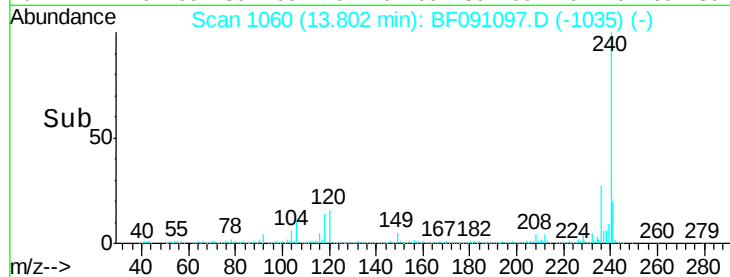
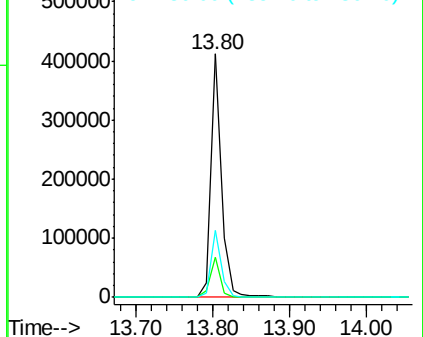
240 100

120 16.3 12.9 19.3

236 27.5 21.9 32.9



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



#77

Pyrene

Concen: 4.69 ng

RT: 12.60 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF091097.D

Acq: 8 Nov 2016 22:12

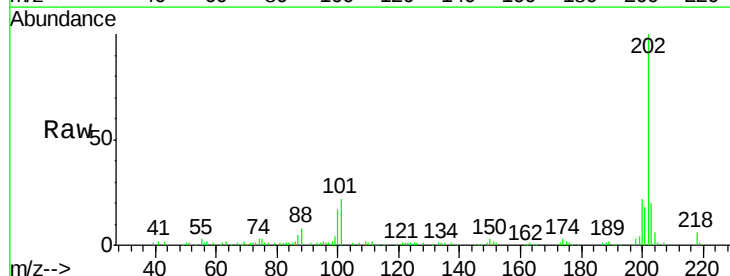
Tgt Ion:202 Resp: 119956

Ion Ratio Lower Upper

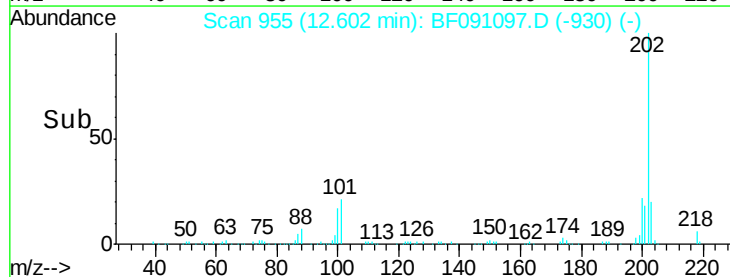
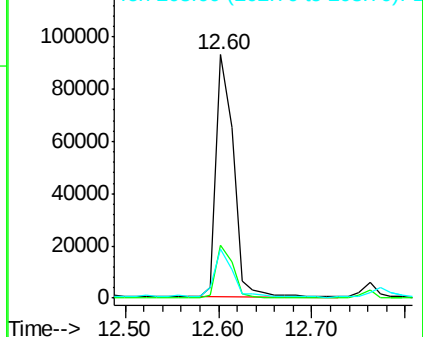
202 100

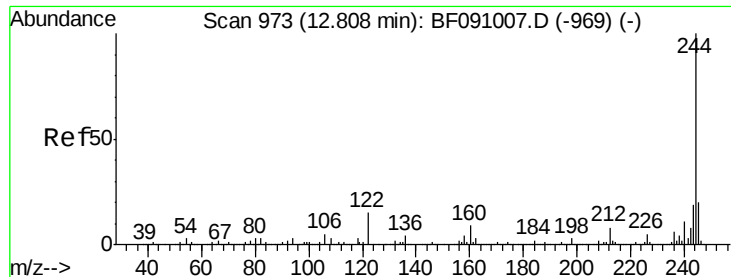
200 21.6 18.4 27.6

203 20.3 15.0 22.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

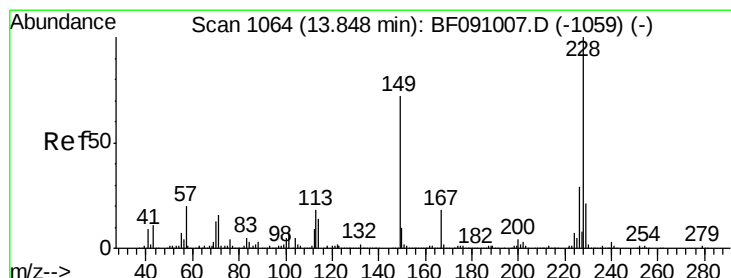
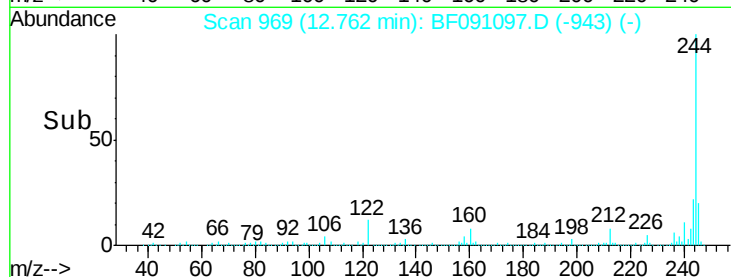
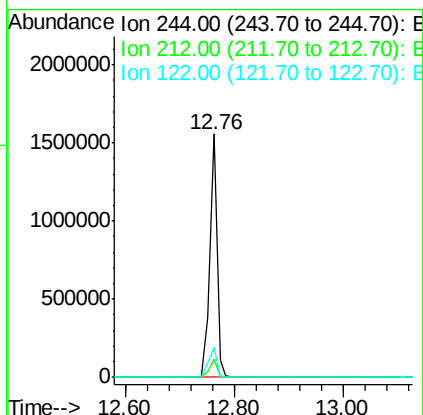
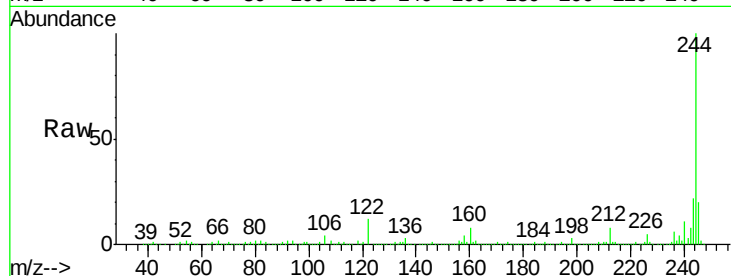




#78
 Terphenyl-d14
 Concen: 91.96 ng
 RT: 12.76 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: BF091097.D
 Acq: 8 Nov 2016 22:12

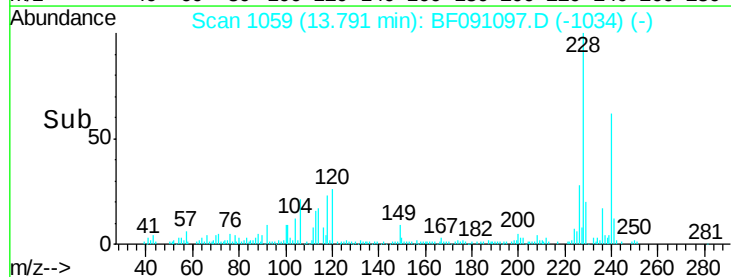
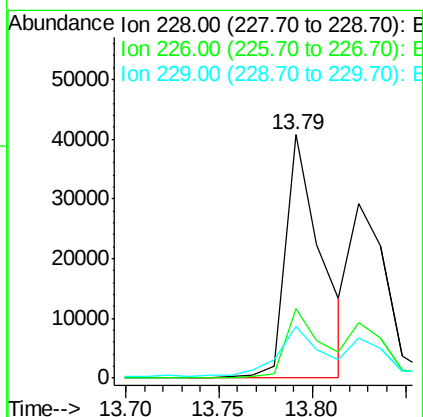
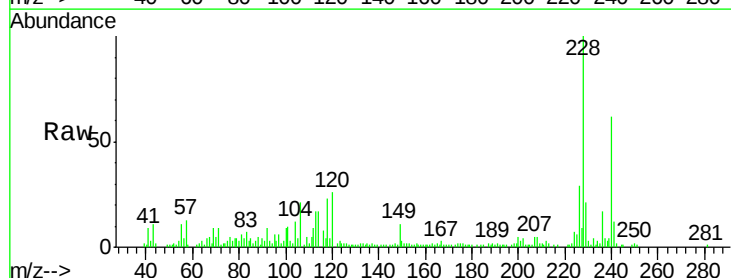
Instrument :
 BNA_F
 ClientSampleId :
 V001-BF014-01

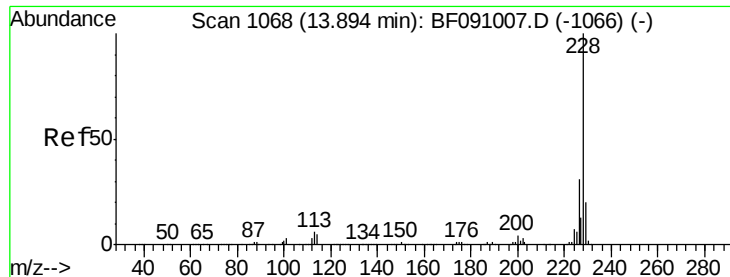
Tgt Ion:244 Resp: 1437968
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.4 9.6
 122 12.1 12.3 18.5#



#80
 Benzo(a)anthracene
 Concen: 2.46 ng
 RT: 13.79 min Scan# 1059
 Delta R.T. -0.01 min
 Lab File: BF091097.D
 Acq: 8 Nov 2016 22:12

Tgt Ion:228 Resp: 54437
 Ion Ratio Lower Upper
 228 100
 226 28.7 23.0 34.6
 229 21.0 16.6 24.8





#82

Chrysene

Concen: 2.49 ng

RT: 13.79 min Scan# 1059

Delta R.T. -0.05 min

Lab File: BF091097.D

Acq: 8 Nov 2016 22:12

Instrument :

BNA_F

ClientSampleId :

V001-BF014-01

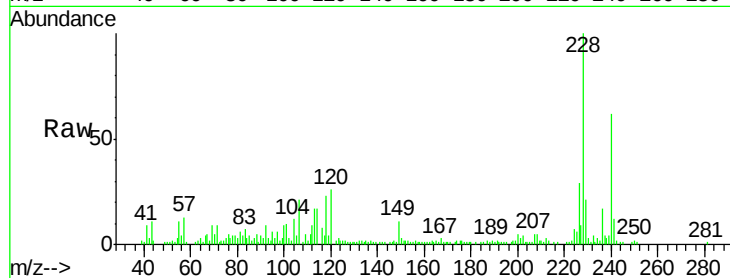
Tgt Ion:228 Resp: 54437

Ion Ratio Lower Upper

228 100

226 28.7 24.9 37.3

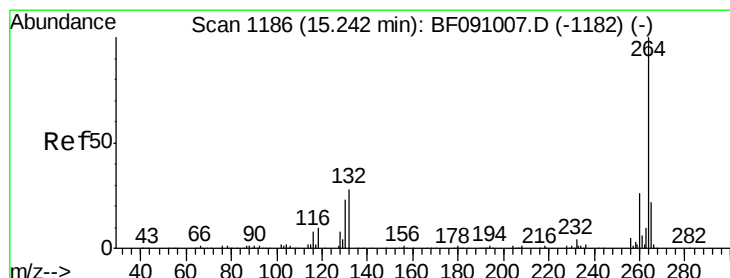
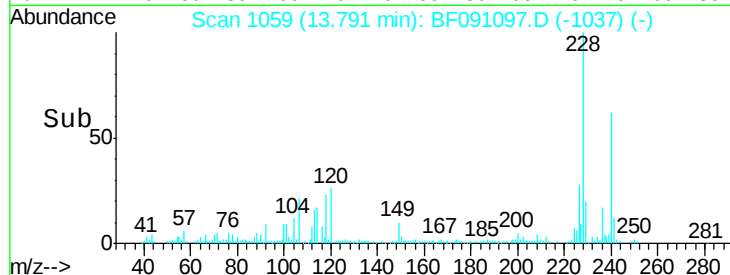
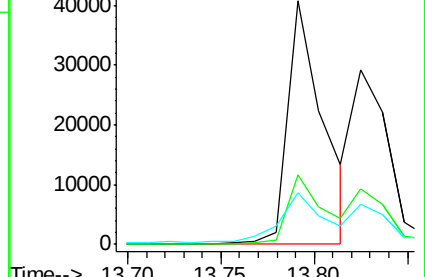
229 21.0 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.17 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BF091097.D

Acq: 8 Nov 2016 22:12

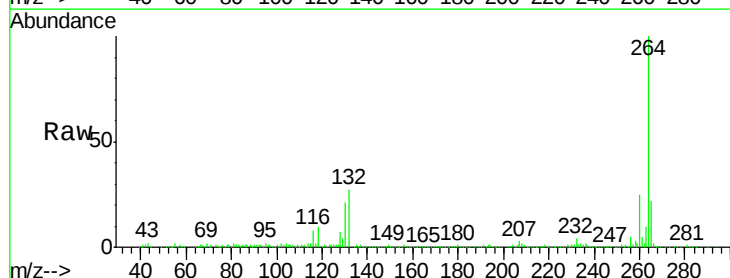
Tgt Ion:264 Resp: 329566

Ion Ratio Lower Upper

264 100

260 25.4 20.6 30.8

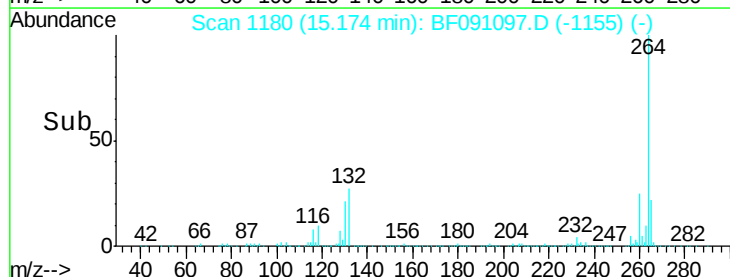
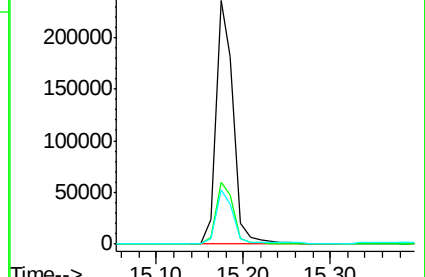
265 22.2 17.8 26.8

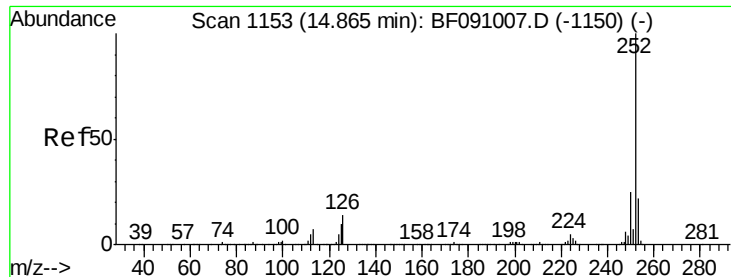


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

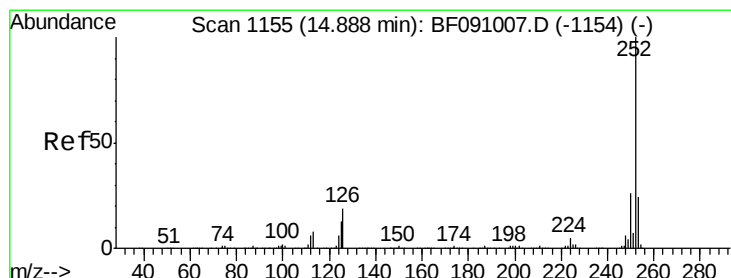
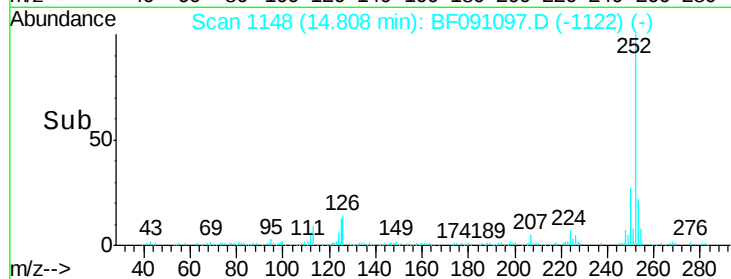
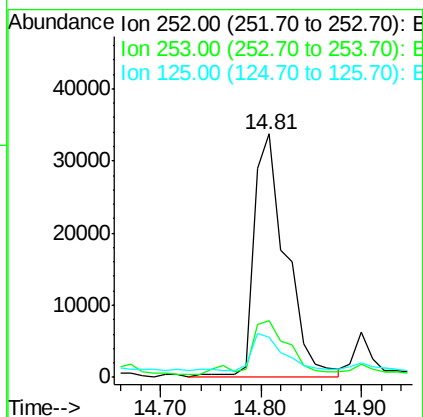
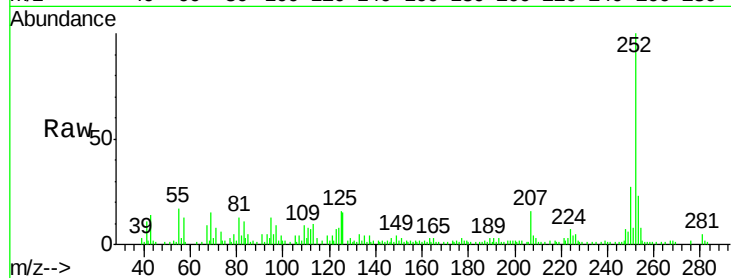




#87
Benzo(b)fluoranthene
Concen: 3.32 ng
RT: 14.81 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF091097.D
Acq: 8 Nov 2016 22:12

Instrument :
BNA_F
ClientSampleId :
V001-BF014-01

Tgt Ion:252 Resp: 74173
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 16.4 8.3 12.5#



#88
Benzo(k)fluoranthene
Concen: 3.78 ng
RT: 14.81 min Scan# 1148
Delta R.T. -0.02 min
Lab File: BF091097.D
Acq: 8 Nov 2016 22:12

Tgt Ion:252 Resp: 74173
Ion Ratio Lower Upper
252 100
253 23.2 18.6 28.0
125 16.4 11.2 16.8

