

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111816\
 Data File : BF091243.D
 Acq On : 18 Nov 2016 19:56
 Operator : UM/SJ
 Sample : H5700-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V001-BF021-01

Quant Time: Nov 18 22:02:08 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	6.61	152	152521	20.00	ng	-0.05
21) Naphthalene-d8	7.89	136	651078	20.00	ng	-0.06
38) Acenaphthene-d10	9.64	164	337709	20.00	ng	-0.06
63) Phenanthrene-d10	11.13	188	550672	20.00	ng	-0.05
75) Chrysene-d12	13.76	240	409351	20.00	ng	-0.06
86) Perylene-d12	15.13	264	355344	20.00	ng	-0.06

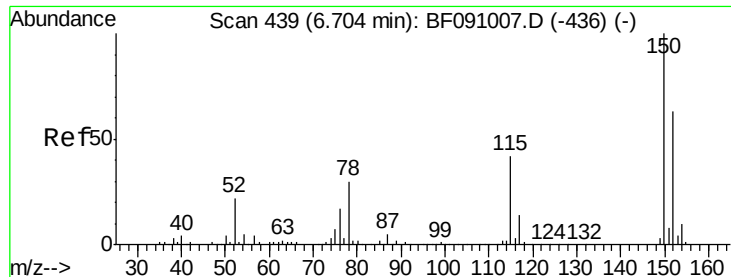
System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	941588	101.96	ng	-0.05
7) Phenol-d6	6.27	99	1267971	101.16	ng	-0.05
23) Nitrobenzene-d5	7.18	82	752275	63.03	ng	-0.06
41) 2,4,6-Tribromophenol	10.44	330	355106	116.31	ng	-0.05
44) 2-Fluorobiphenyl	8.98	172	1371978	69.94	ng	-0.06
78) Terphenyl-d14	12.72	244	1361392	82.99	ng	-0.05

Target Compounds

						Qvalue
9) Benzaldehyde	6.37	77	18417	2.65	ng	89
10) Phenol	6.28	94	72126	5.20	ng	# 52
19) n-Nitroso-di-n-propylamine	7.18	70	97609	11.24	ng	# 71
25) Isophorone	7.18	82	760665	33.07	ng	# 67
49) Dimethylphthalate	9.38	163	93304	4.21	ng	97
50) 2,6-Dinitrotoluene	9.64	165	44234	9.32	ng	# 11
55) 4-Nitrophenol	9.86	139	2460	6.34	ng	# 23
56) 2,4-Dinitrotoluene	9.64	165	44913	7.44	ng	# 26
66) 4-Bromophenyl-phenylether	10.43	248	21276	3.71	ng	# 1
70) Phenanthrene	11.15	178	150563	5.14	ng	97
74) Fluoranthene	12.33	202	198798	6.55	ng	98
77) Pyrene	12.56	202	235241	8.77	ng	98
80) Benzo(a)anthracene	13.75	228	93635	4.03	ng	98
82) Chrysene	13.78	228	65491	2.86	ng	98
83) Bis(2-ethylhexyl)phthalate	13.76	149	39758	2.29	ng	# 96
87) Benzo(b)fluoranthene	14.76	252	105206	4.37	ng	# 96
88) Benzo(k)fluoranthene	14.76	252	105206	4.98	ng	99
89) Benzo(a)pyrene	15.07	252	56537	2.69	ng	# 91
91) Benzo(g,h,i)perylene	16.77	276	39459	2.41	ng	94

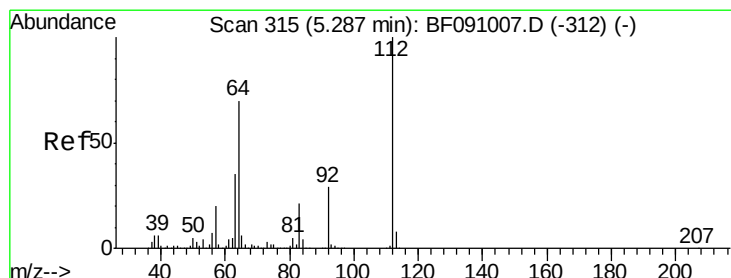
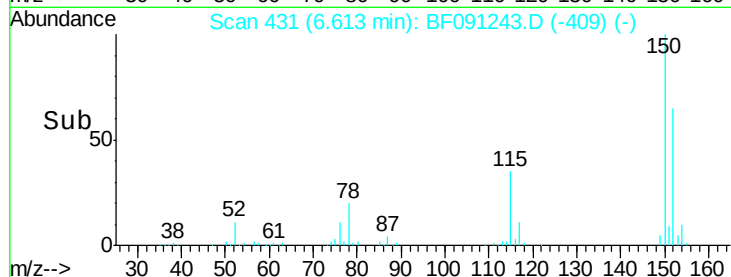
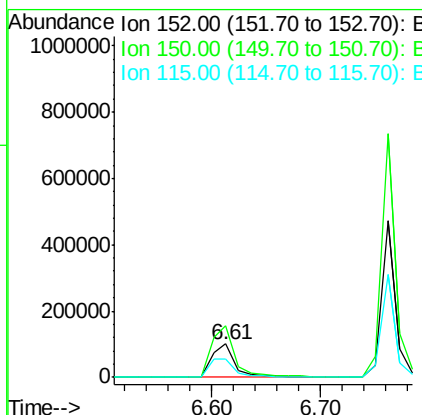
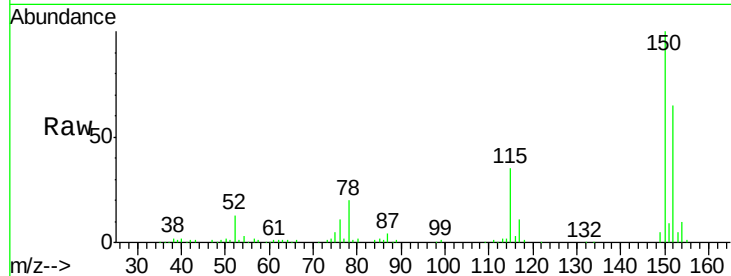
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.61 min Scan# 431
 Delta R.T. -0.05 min
 Lab File: BF091243.D
 Acq: 18 Nov 2016 19:56

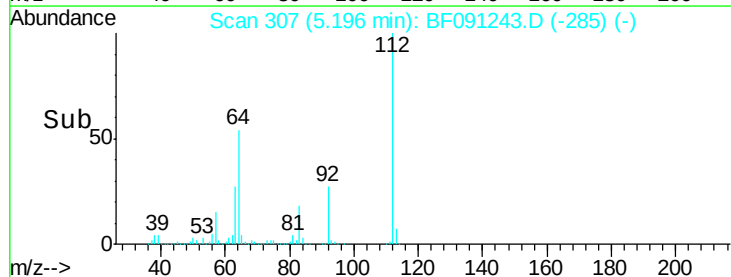
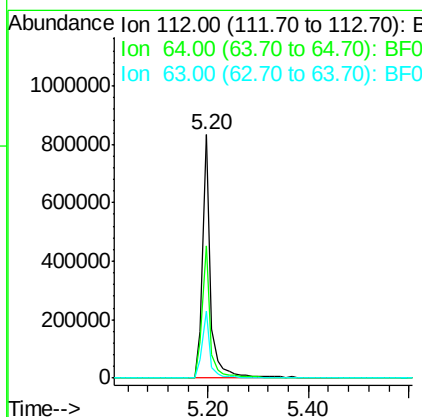
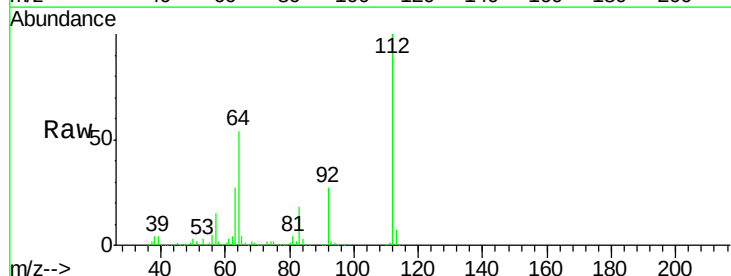
Instrument :
 BNA_F
 ClientSampleId :
 V001-BF021-01

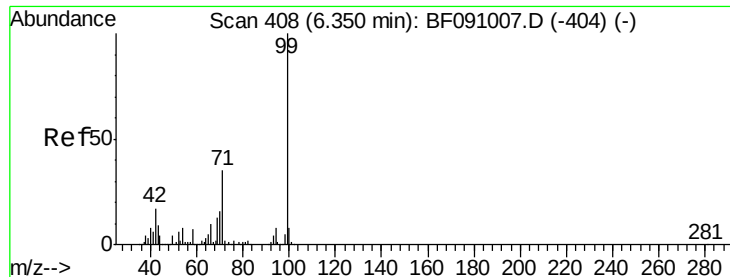
Tgt Ion:152 Resp: 152521
 Ion Ratio Lower Upper
 152 100
 150 154.3 126.8 190.2
 115 53.6 53.3 79.9



#5
 2-Fluorophenol
 Concen: 101.96 ng
 RT: 5.20 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: BF091243.D
 Acq: 18 Nov 2016 19:56

Tgt Ion:112 Resp: 941588
 Ion Ratio Lower Upper
 112 100
 64 54.2 55.8 83.6#
 63 27.3 28.0 42.0#





#7

Phenol-d6

Concen: 101.16 ng

RT: 6.27 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF091243.D

Acq: 18 Nov 2016 19:56

Instrument :

BNA_F

ClientSampleId :

V001-BF021-01

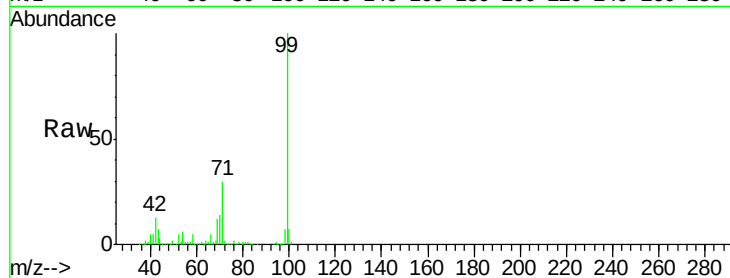
Tgt Ion: 99 Resp: 1267971

Ion Ratio Lower Upper

99 100

42 12.8 13.9 20.9#

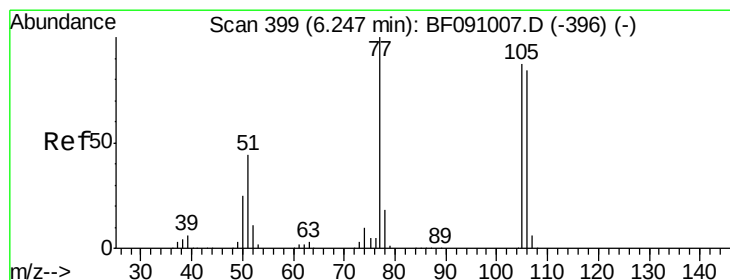
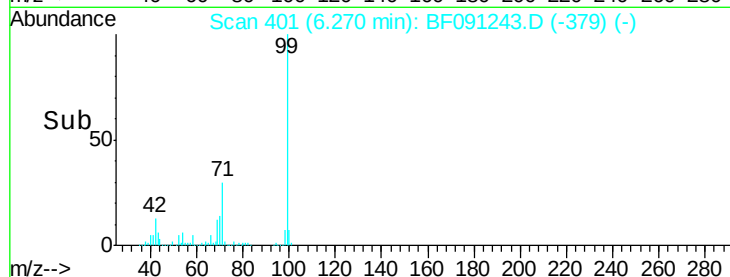
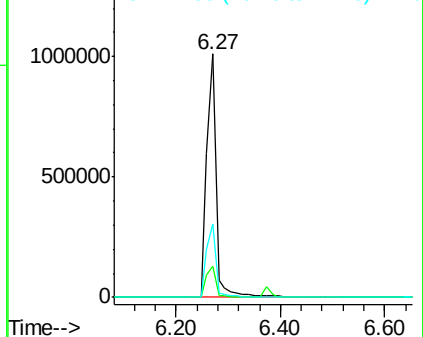
71 30.2 27.8 41.8



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: 2.65 ng

RT: 6.37 min Scan# 410

Delta R.T. 0.17 min

Lab File: BF091243.D

Acq: 18 Nov 2016 19:56

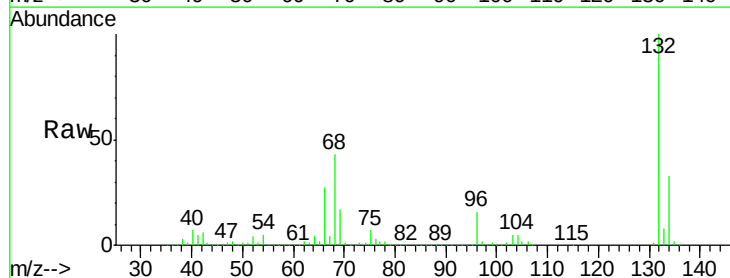
Tgt Ion: 77 Resp: 18417

Ion Ratio Lower Upper

77 100

105 81.1 66.8 106.8

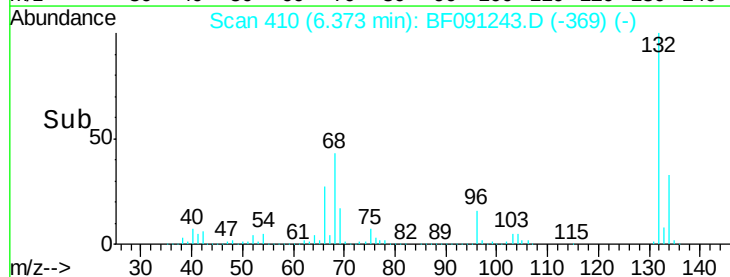
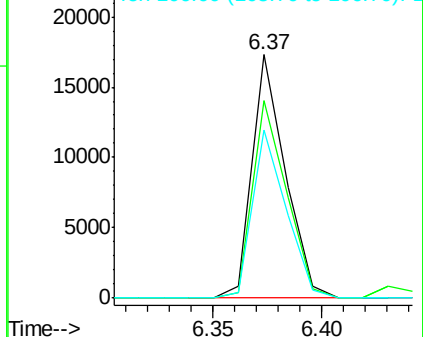
106 69.0 64.0 104.0

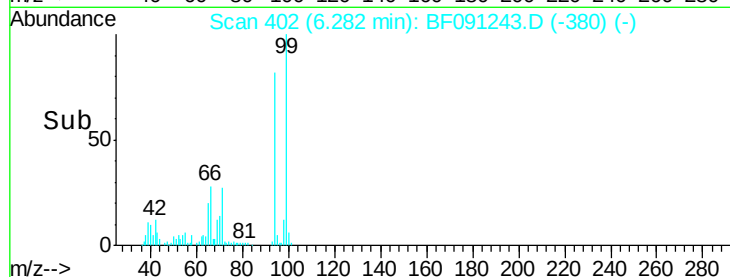
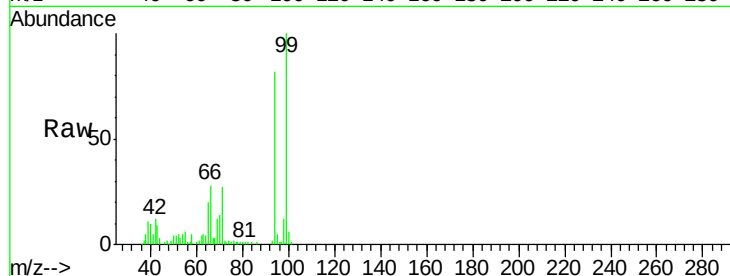
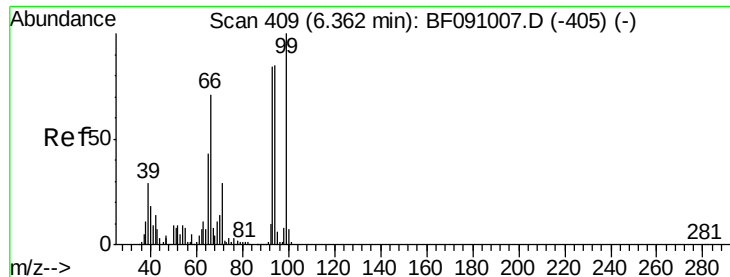


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 5.20 ng

RT: 6.28 min Scan# 402

Delta R.T. -0.05 min

Lab File: BF091243.D

Acq: 18 Nov 2016 19:56

Instrument :

BNA_F

ClientSampleId :

V001-BF021-01

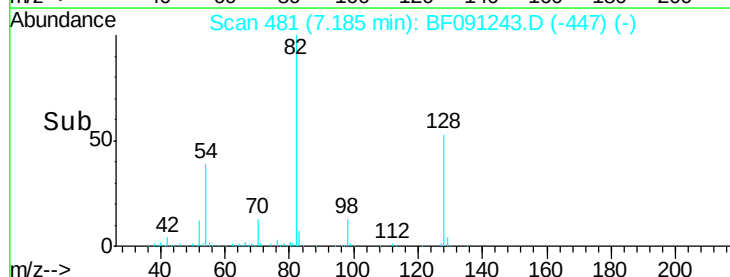
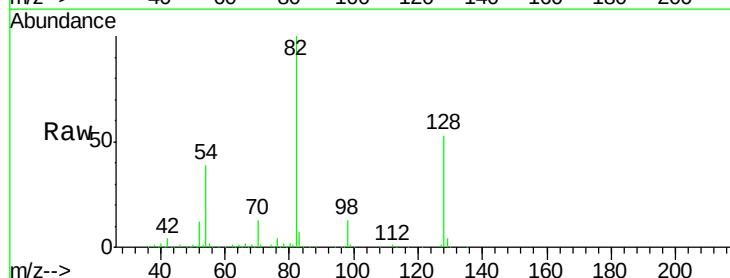
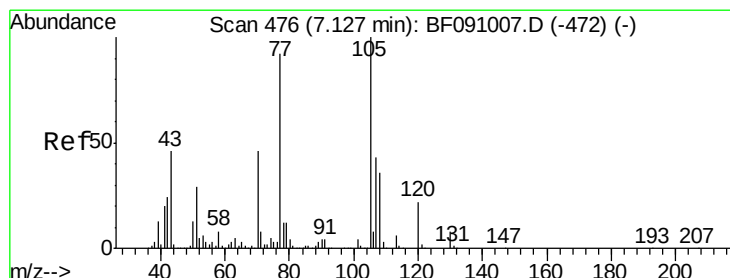
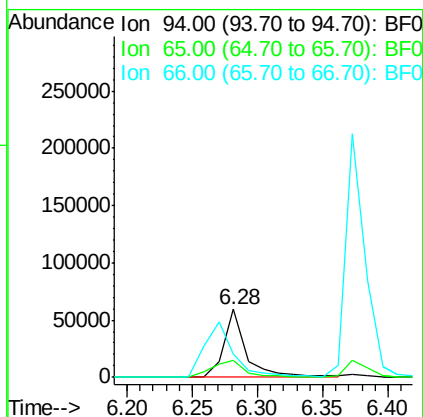
Tgt Ion: 94 Resp: 72126

Ion Ratio Lower Upper

94 100

65 24.6 30.4 70.4#

66 34.4 62.9 102.9#



#19

n-Nitroso-di-n-propylamine

Concen: 11.24 ng

RT: 7.18 min Scan# 481

Delta R.T. 0.09 min

Lab File: BF091243.D

Acq: 18 Nov 2016 19:56

Tgt Ion: 70 Resp: 97609

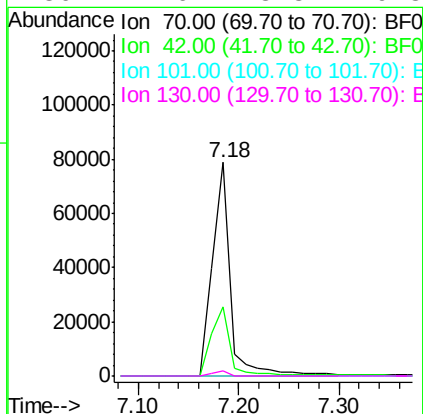
Ion Ratio Lower Upper

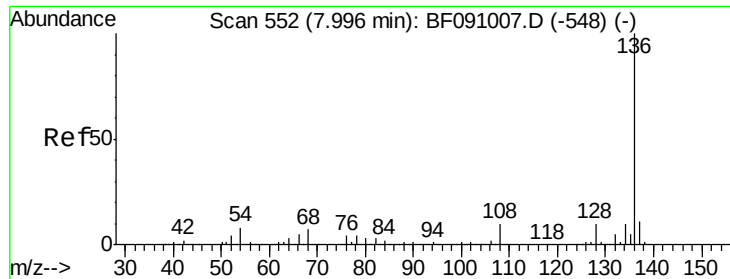
70 100

42 32.3 41.7 62.5#

101 0.0 6.7 10.1#

130 2.6 13.8 20.8#

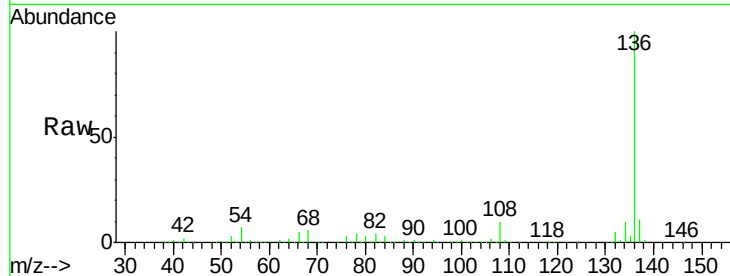




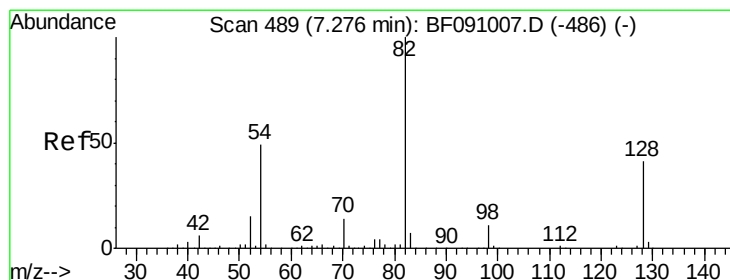
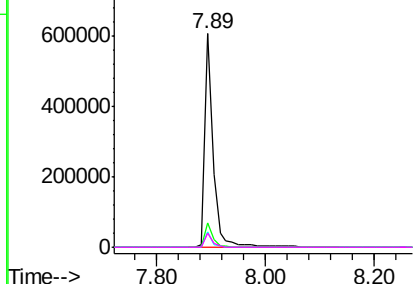
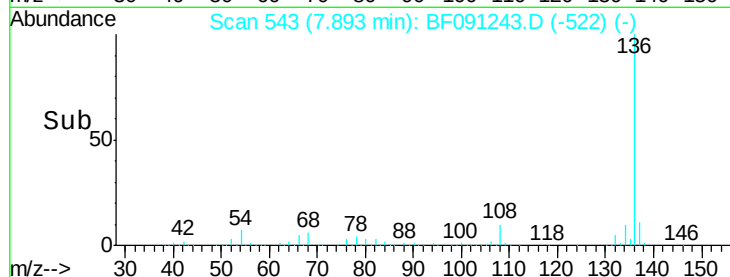
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.89 min Scan# 543
Delta R.T. -0.06 min
Lab File: BF091243.D
Acq: 18 Nov 2016 19:56

Instrument :
BNA_F
ClientSampleId :
V001-BF021-01

Tgt Ion:	136	Resp:	651078
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.2	6.2	9.2
68	6.5	5.5	8.3

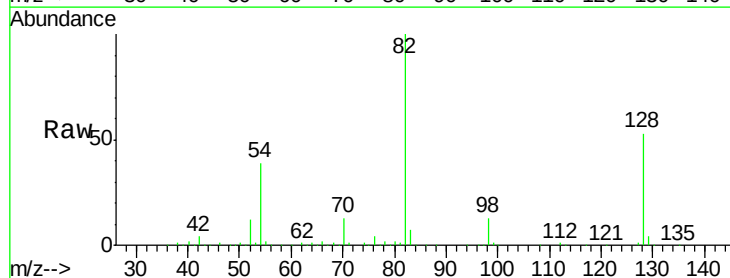


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

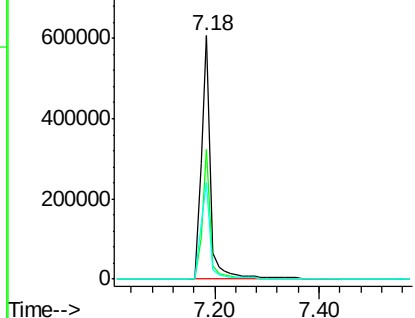
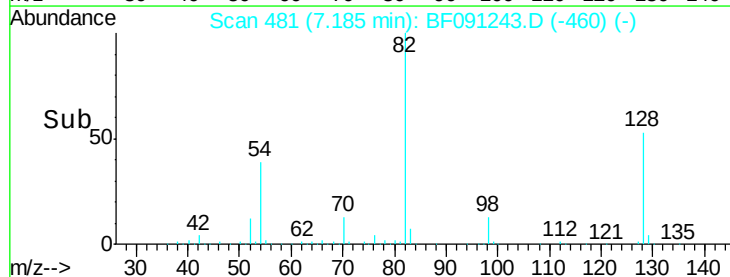


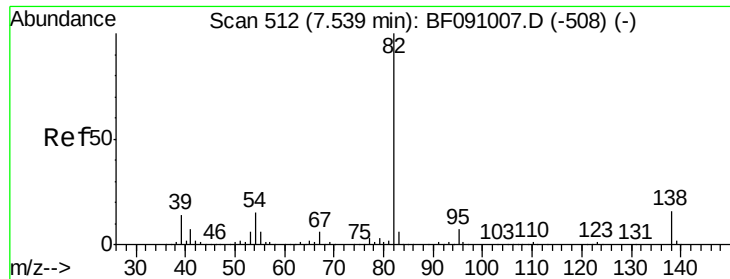
#23
Nitrobenzene-d5
Concen: 63.03 ng
RT: 7.18 min Scan# 481
Delta R.T. -0.06 min
Lab File: BF091243.D
Acq: 18 Nov 2016 19:56

Tgt Ion:	82	Resp:	752275
Ion	Ratio	Lower	Upper
82	100		
128	53.1	32.4	48.6#
54	39.5	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: 33.07 ng

RT: 7.18 min Scan# 481

Delta R.T. -0.31 min

Lab File: BF091243.D

Acq: 18 Nov 2016 19:56

Instrument :

BNA_F

ClientSampleId :

V001-BF021-01

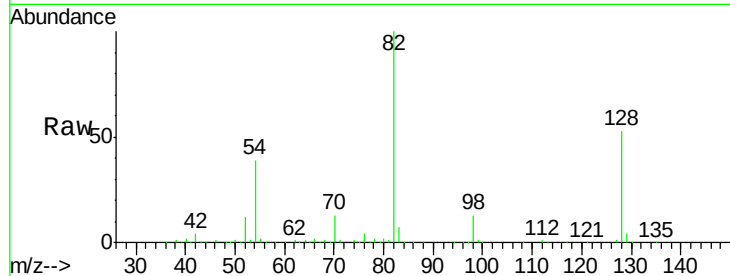
Tgt Ion: 82 Resp: 760665

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 13.0 19.4#

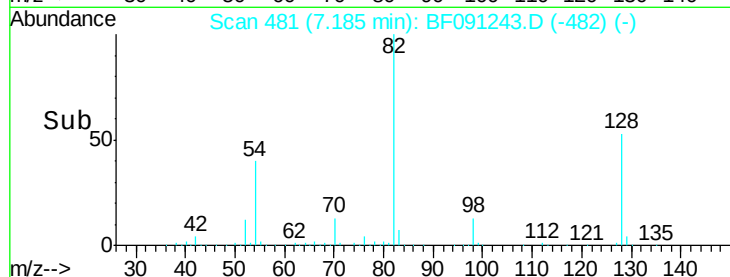


Abundance Ion 82.00 (81.70 to 82.70): BF0

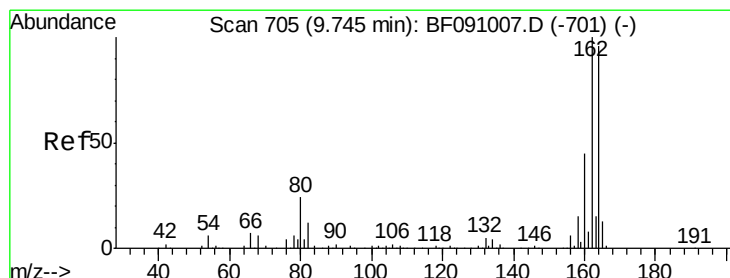
Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

Time-->



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 696

Delta R.T. -0.06 min

Lab File: BF091243.D

Acq: 18 Nov 2016 19:56

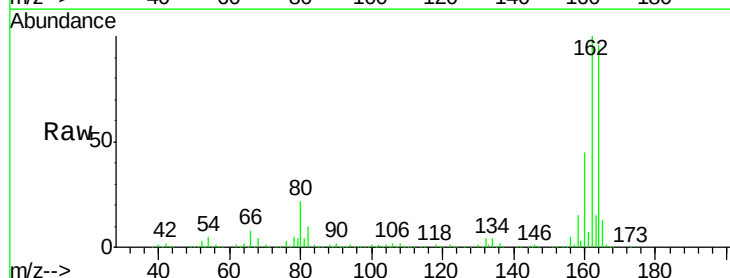
Tgt Ion: 164 Resp: 337709

Ion Ratio Lower Upper

164 100

162 104.2 83.6 125.4

160 46.8 37.9 56.9

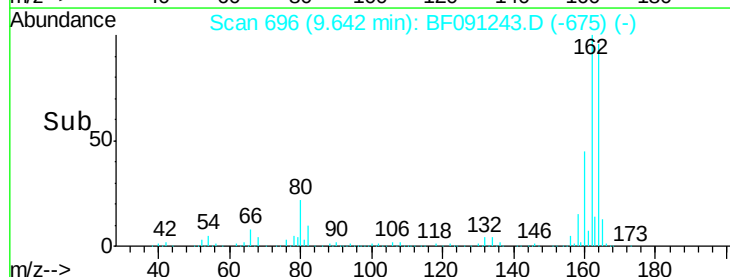


Abundance Ion 164.00 (163.70 to 164.70): E

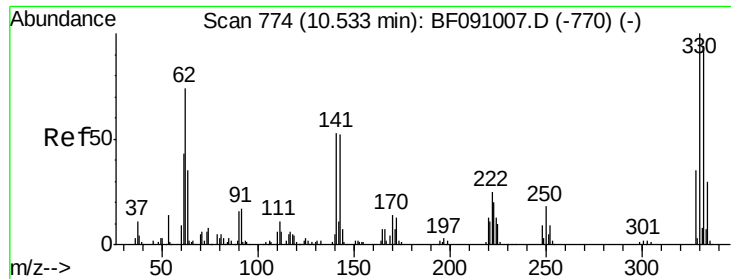
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->



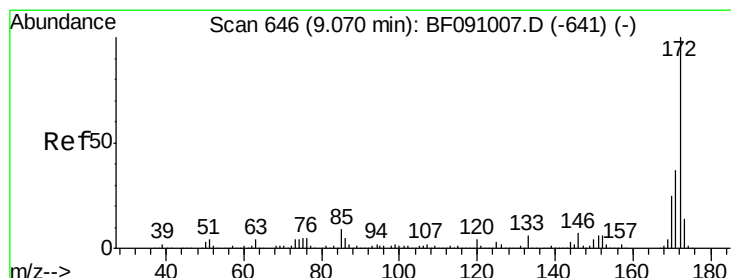
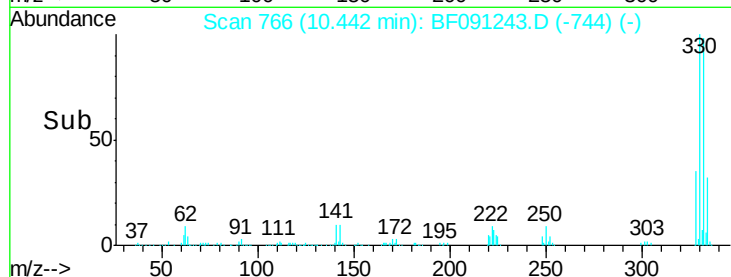
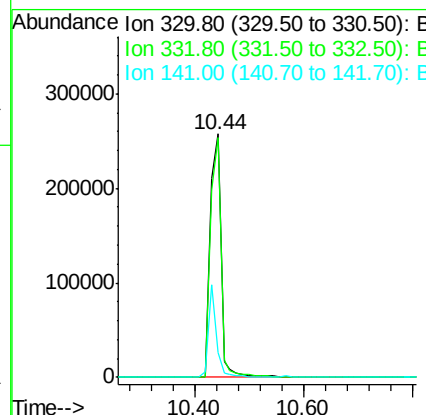
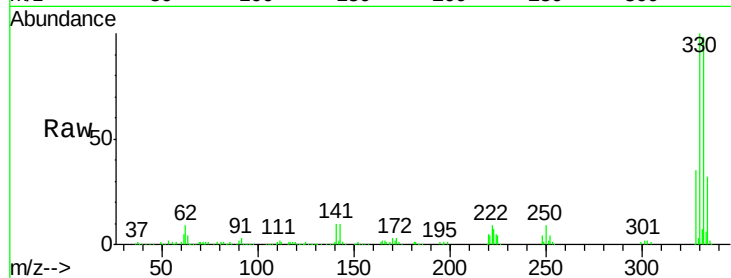
Time-->



#41
 2,4,6-Tribromophenol
 Concen: 116.31 ng
 RT: 10.44 min Scan# 766
 Delta R.T. -0.05 min
 Lab File: BF091243.D
 Acq: 18 Nov 2016 19:56

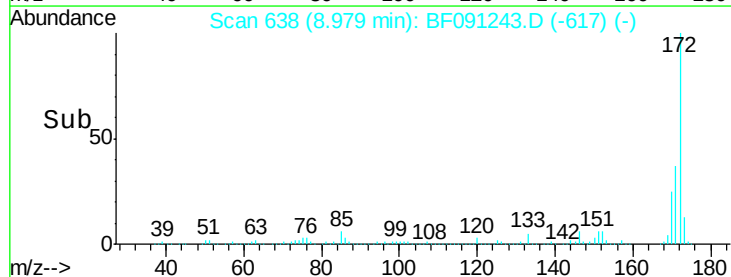
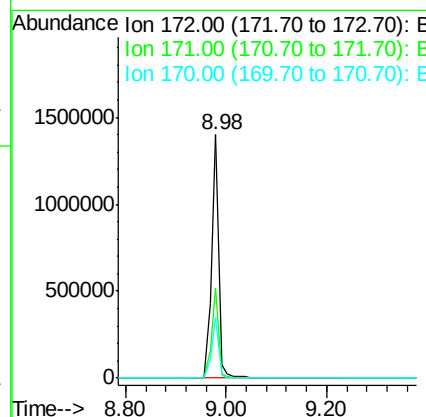
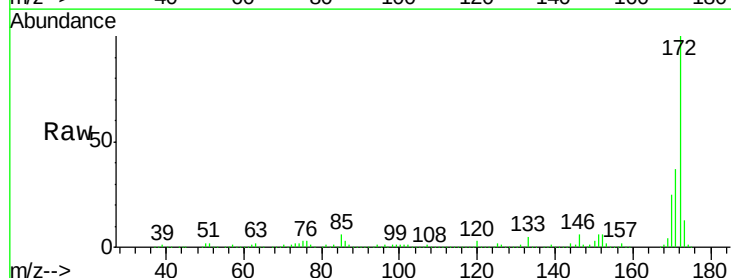
Instrument :
 BNA_F
 ClientSampleId :
 V001-BF021-01

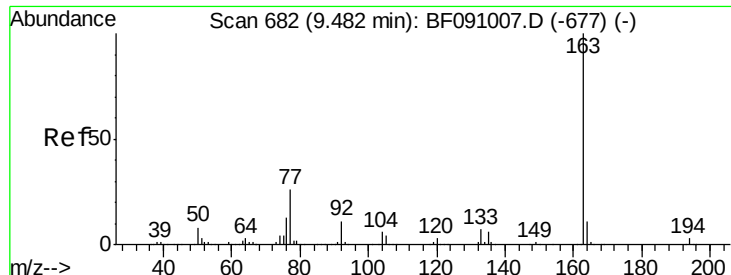
Tgt Ion:330 Resp: 355106
 Ion Ratio Lower Upper
 330 100
 332 96.7 75.9 113.9
 141 28.1 36.1 54.1#



#44
 2-Fluorobiphenyl
 Concen: 69.94 ng
 RT: 8.98 min Scan# 638
 Delta R.T. -0.06 min
 Lab File: BF091243.D
 Acq: 18 Nov 2016 19:56

Tgt Ion:172 Resp: 1371978
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.8 44.6
 170 24.8 20.3 30.5





#49

Dimethylphthalate

Concen: 4.21 ng

RT: 9.38 min Scan# 673

Delta R.T. -0.06 min

Lab File: BF091243.D

Acq: 18 Nov 2016 19:56

Instrument :

BNA_F

ClientSampleId :

V001-BF021-01

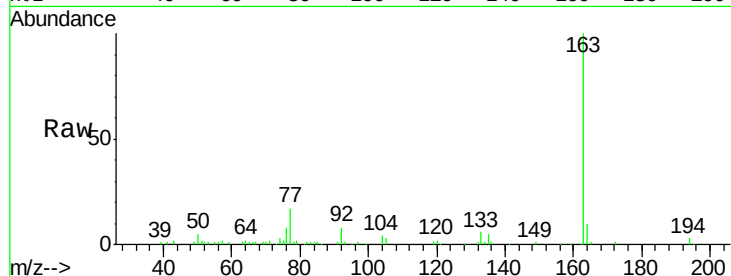
Tgt Ion:163 Resp: 93304

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

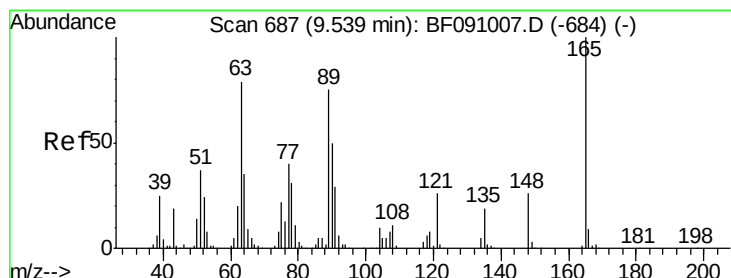
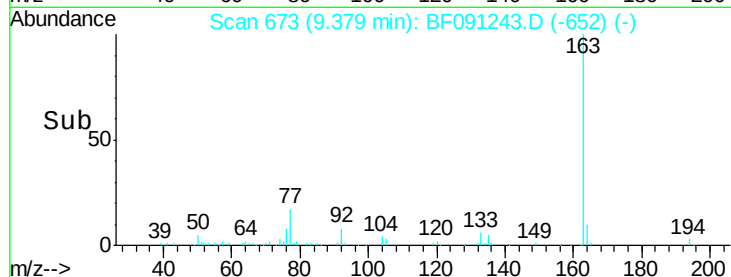
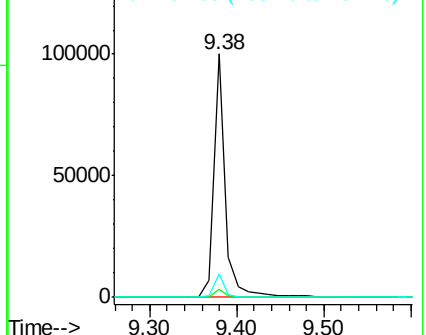
164 9.6 8.7 13.1



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: 9.32 ng

RT: 9.64 min Scan# 696

Delta R.T. 0.14 min

Lab File: BF091243.D

Acq: 18 Nov 2016 19:56

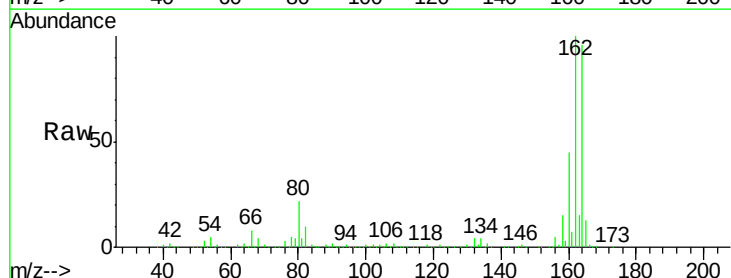
Tgt Ion:165 Resp: 44234

Ion Ratio Lower Upper

165 100

63 0.8 65.6 98.4#

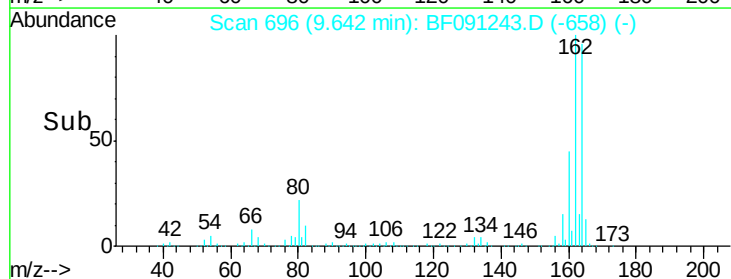
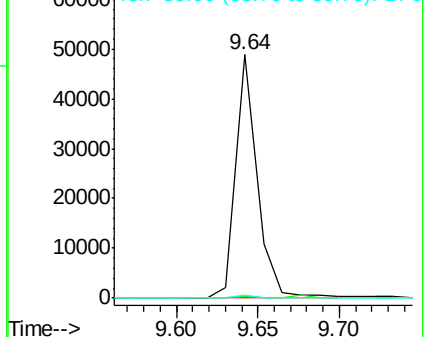
89 1.0 59.8 89.6#

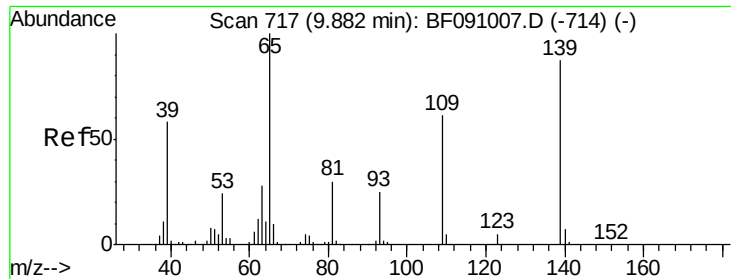


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#55

4-Nitrophenol

Concen: 6.34 ng

RT: 9.86 min Scan# 715

Delta R.T. 0.01 min

Lab File: BF091243.D

Acq: 18 Nov 2016 19:56

Instrument :

BNA_F

ClientSampleId :

V001-BF021-01

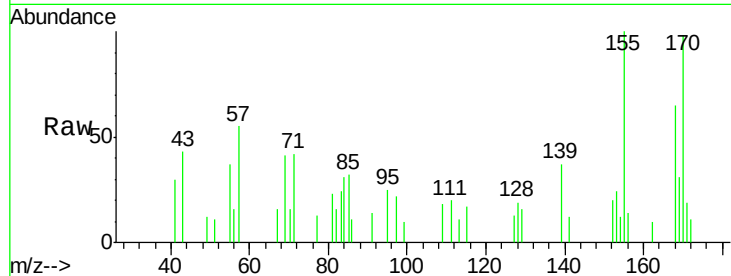
Tgt Ion:139 Resp: 2460

Ion Ratio Lower Upper

139 100

109 48.0 50.5 90.5#

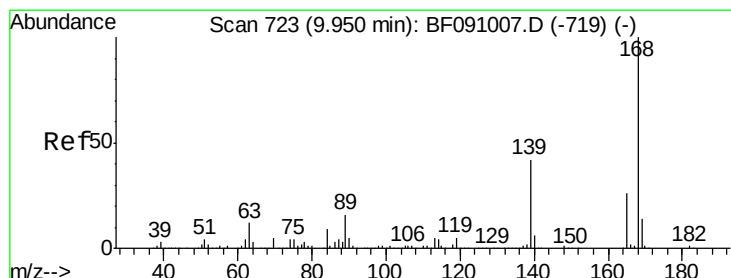
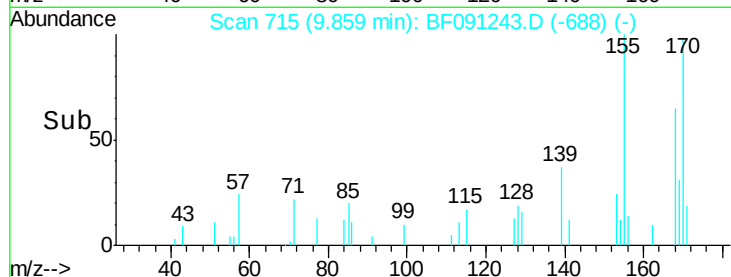
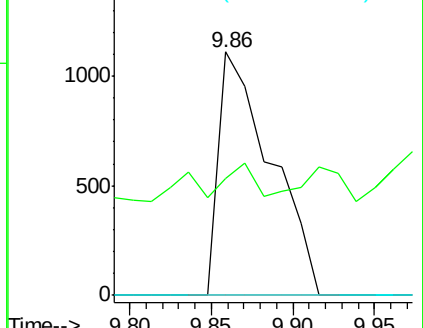
65 0.0 97.1 137.1#



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: 7.44 ng

RT: 9.64 min Scan# 696

Delta R.T. -0.26 min

Lab File: BF091243.D

Acq: 18 Nov 2016 19:56

Tgt Ion:165 Resp: 44913

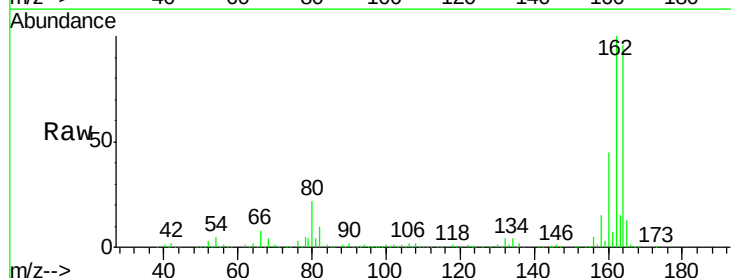
Ion Ratio Lower Upper

165 100

63 0.8 38.7 58.1#

89 1.0 50.6 76.0#

182 0.0 1.8 2.8#

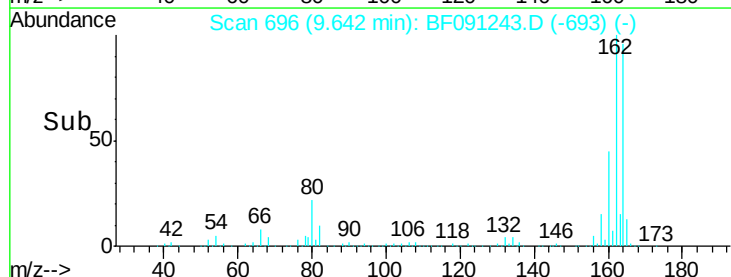
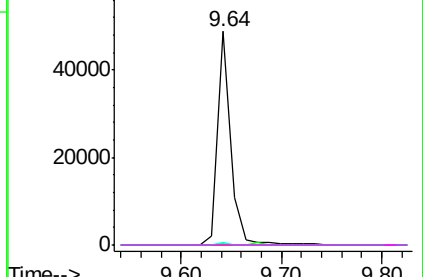


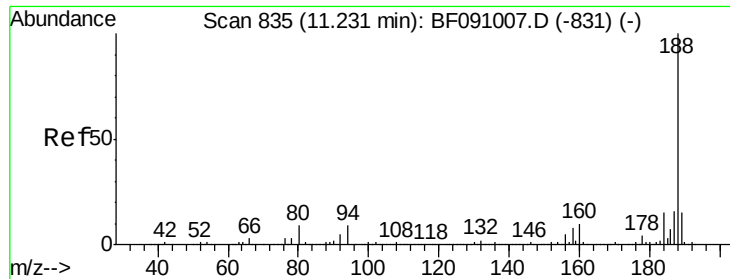
Abundance Ion 165.00 (164.70 to 165.70): E

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

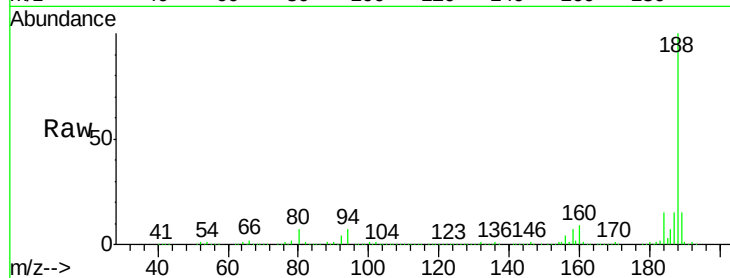




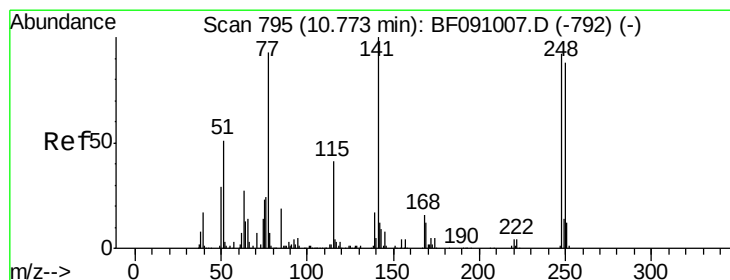
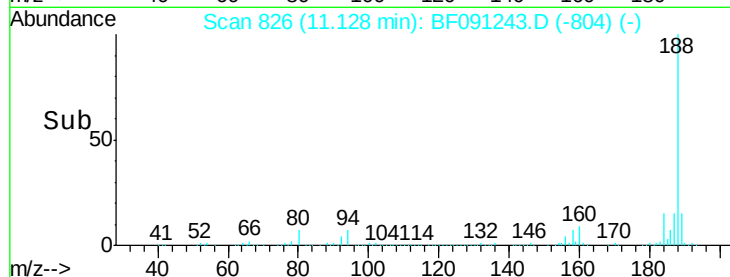
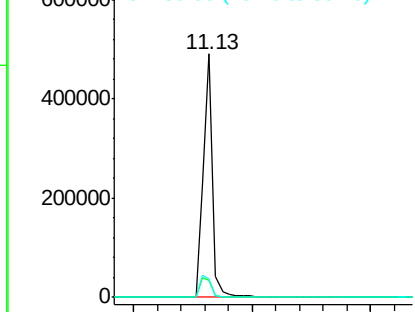
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 826
Delta R.T. -0.05 min
Lab File: BF091243.D
Acq: 18 Nov 2016 19:56

Instrument :
BNA_F
ClientSampleId :
V001-BF021-01

Tgt Ion:188 Resp: 550672
Ion Ratio Lower Upper
188 100
94 7.2 7.0 10.4
80 7.4 7.5 11.3#

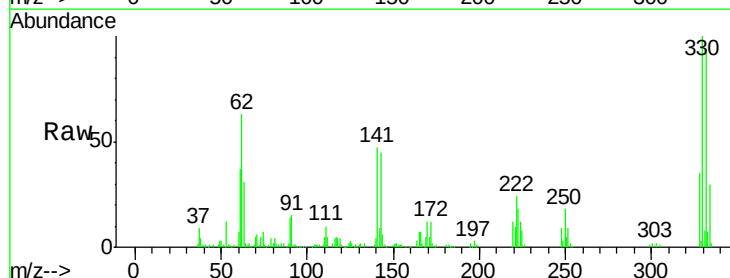


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

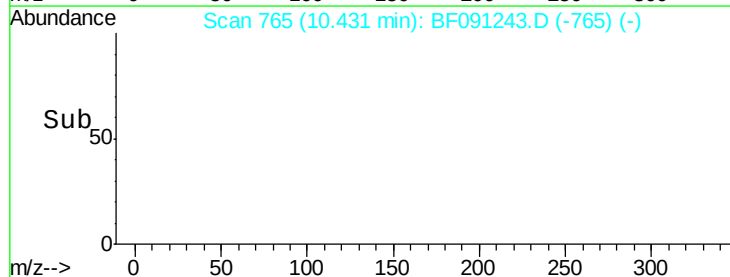
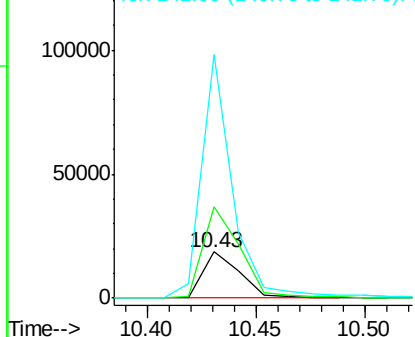


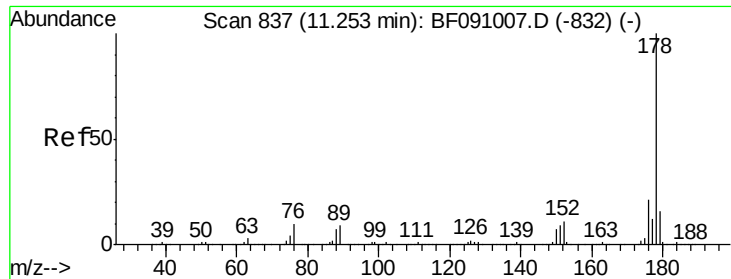
#66
4-Bromophenyl-phenylether
Concen: 3.71 ng
RT: 10.43 min Scan# 765
Delta R.T. -0.30 min
Lab File: BF091243.D
Acq: 18 Nov 2016 19:56

Tgt Ion:248 Resp: 21276
Ion Ratio Lower Upper
248 100
250 198.7 76.3 114.5#
141 527.4 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: 5.14 ng

RT: 11.15 min Scan# 828

Delta R.T. -0.06 min

Lab File: BF091243.D

Acq: 18 Nov 2016 19:56

Instrument :

BNA_F

ClientSampleId :

V001-BF021-01

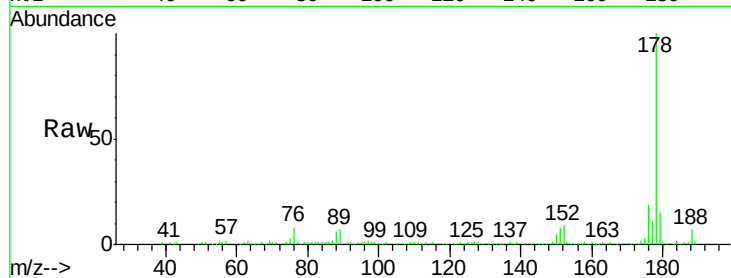
Tgt Ion:178 Resp: 150563

Ion Ratio Lower Upper

178 100

176 19.0 16.6 25.0

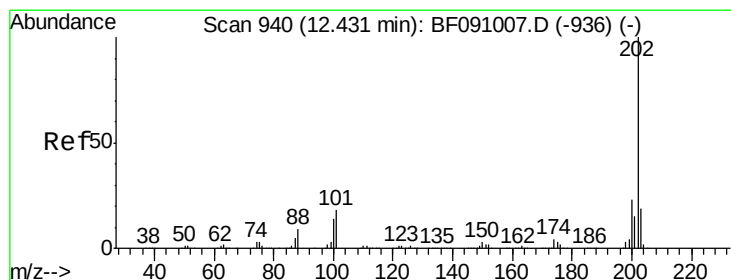
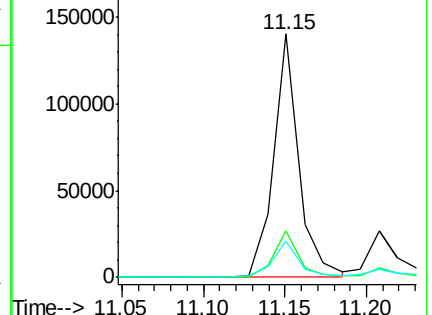
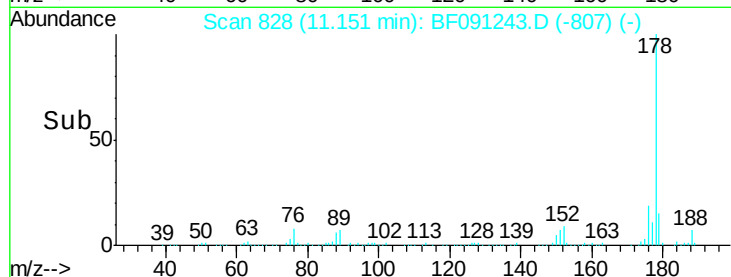
179 15.0 12.9 19.3



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: 6.55 ng

RT: 12.33 min Scan# 931

Delta R.T. -0.06 min

Lab File: BF091243.D

Acq: 18 Nov 2016 19:56

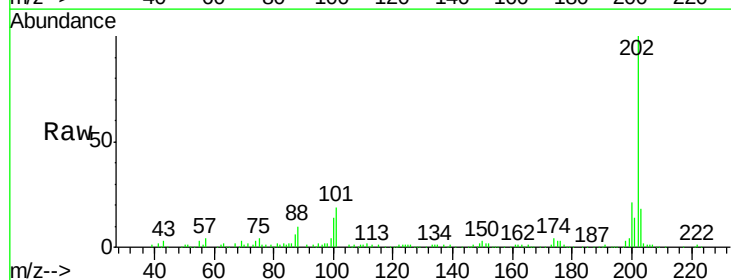
Tgt Ion:202 Resp: 198798

Ion Ratio Lower Upper

202 100

101 19.0 0.0 37.6

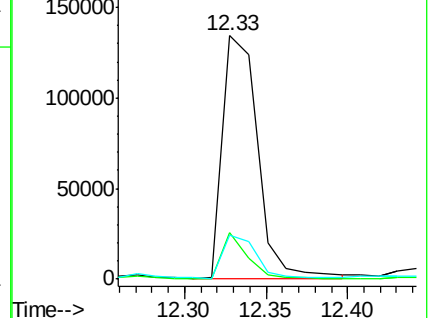
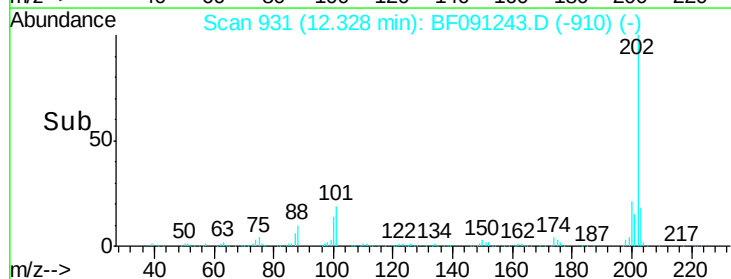
203 17.9 0.0 38.6

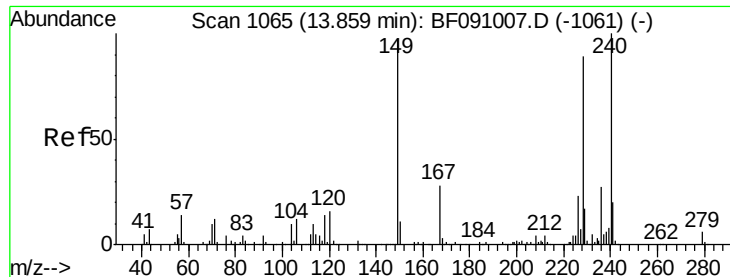


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.76 min Scan# 1056

Delta R.T. -0.06 min

Lab File: BF091243.D

Acq: 18 Nov 2016 19:56

Instrument :

BNA_F

ClientSampleId :

V001-BF021-01

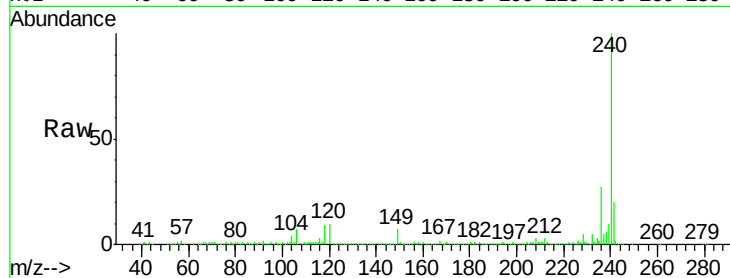
Tgt Ion:240 Resp: 409351

Ion Ratio Lower Upper

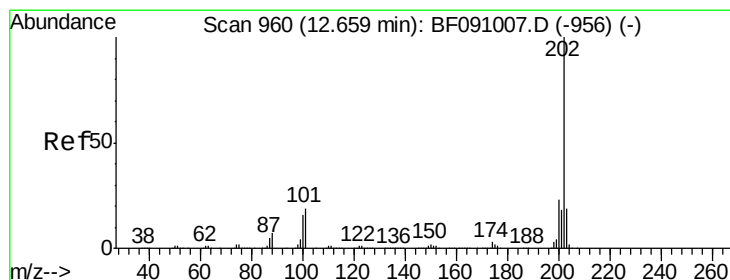
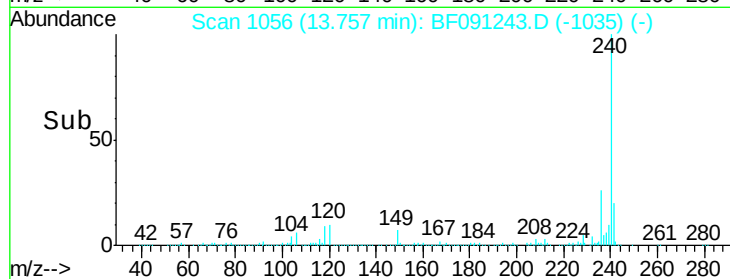
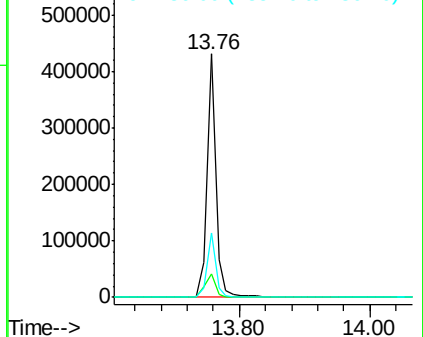
240 100

120 9.9 12.9 19.3#

236 26.7 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: 8.77 ng

RT: 12.56 min Scan# 951

Delta R.T. -0.06 min

Lab File: BF091243.D

Acq: 18 Nov 2016 19:56

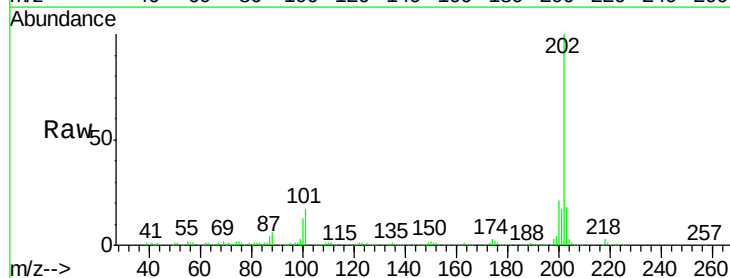
Tgt Ion:202 Resp: 235241

Ion Ratio Lower Upper

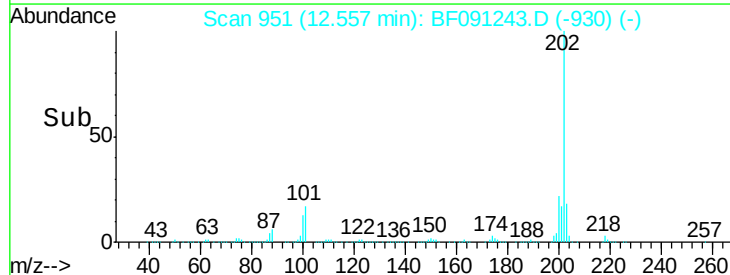
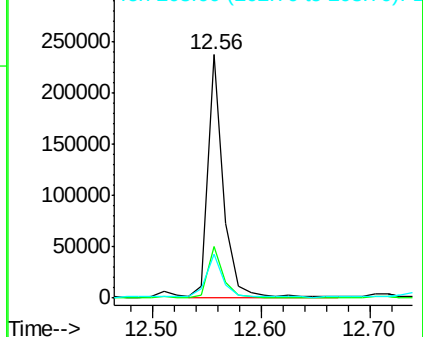
202 100

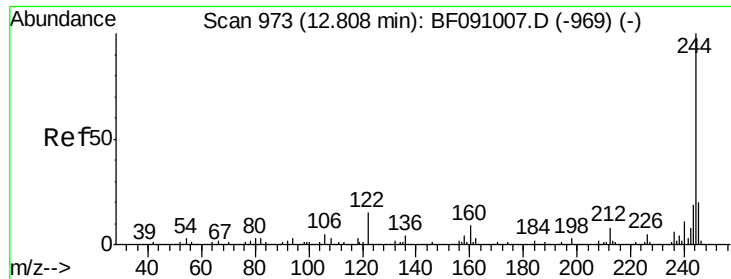
200 21.5 18.4 27.6

203 18.1 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

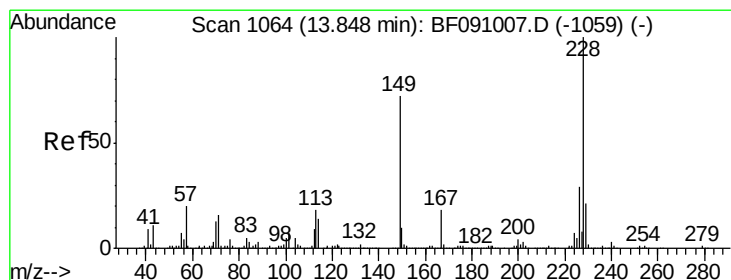
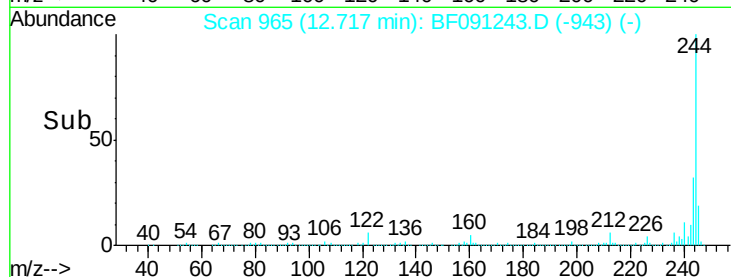
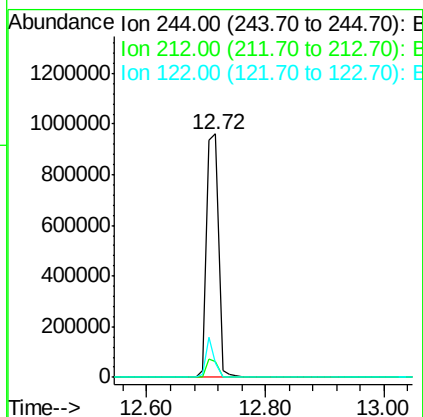
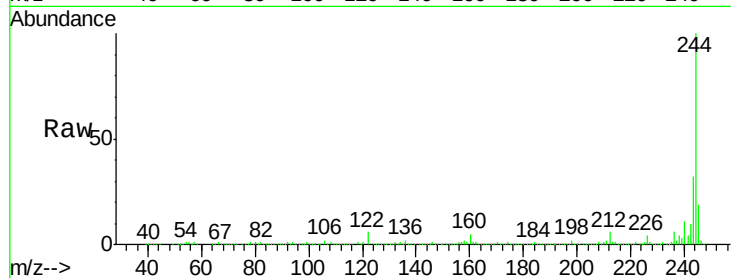




#78
 Terphenyl-d14
 Concen: 82.99 ng
 RT: 12.72 min Scan# 965
 Delta R.T. -0.05 min
 Lab File: BF091243.D
 Acq: 18 Nov 2016 19:56

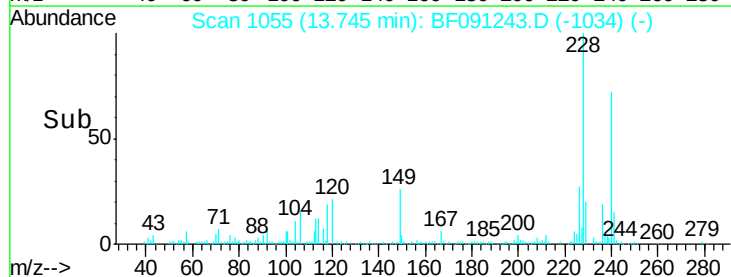
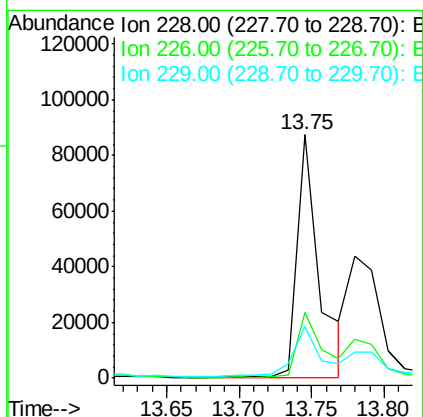
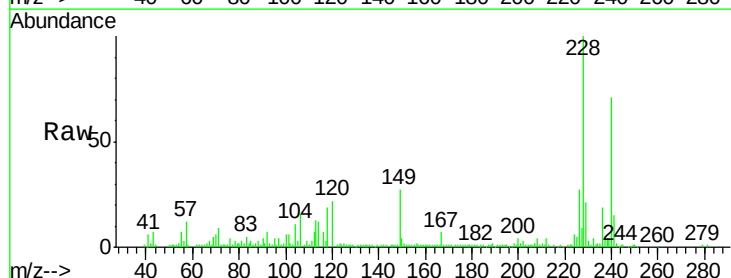
Instrument :
 BNA_F
 ClientSampleId :
 V001-BF021-01

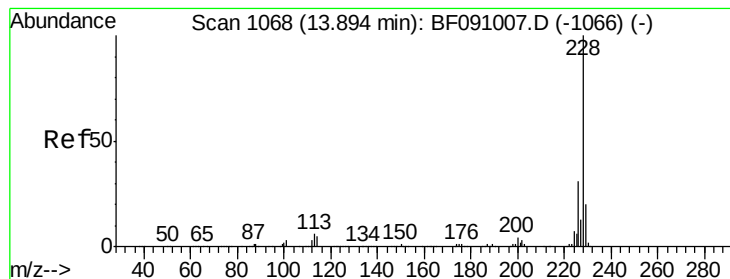
Tgt Ion:244 Resp: 1361392
 Ion Ratio Lower Upper
 244 100
 212 6.3 6.4 9.6#
 122 5.8 12.3 18.5#



#80
 Benzo(a)anthracene
 Concen: 4.03 ng
 RT: 13.75 min Scan# 1055
 Delta R.T. -0.06 min
 Lab File: BF091243.D
 Acq: 18 Nov 2016 19:56

Tgt Ion:228 Resp: 93635
 Ion Ratio Lower Upper
 228 100
 226 27.2 23.0 34.6
 229 20.9 16.6 24.8





#82

Chrysene

Concen: 2.86 ng

RT: 13.78 min Scan# 1058

Delta R.T. -0.06 min

Lab File: BF091243.D

Acq: 18 Nov 2016 19:56

Instrument :

BNA_F

ClientSampleId :

V001-BF021-01

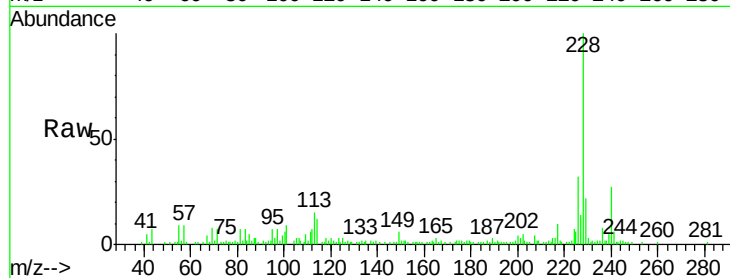
Tgt Ion:228 Resp: 65491

Ion Ratio Lower Upper

228 100

226 31.5 24.9 37.3

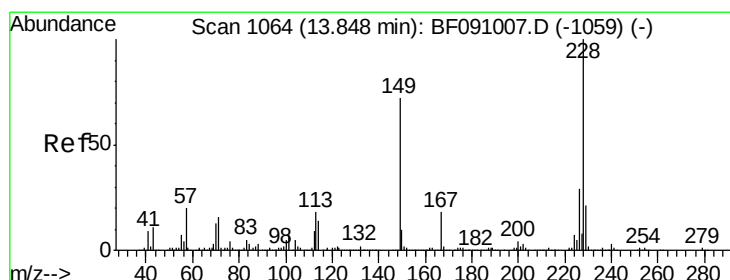
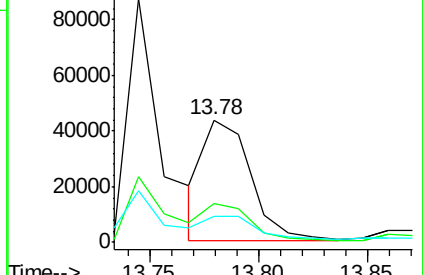
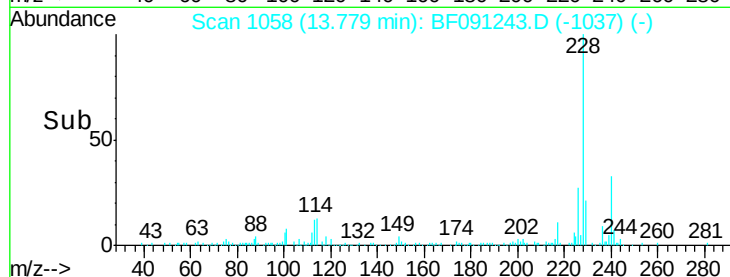
229 21.7 15.9 23.9



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.29 ng

RT: 13.76 min Scan# 1056

Delta R.T. -0.05 min

Lab File: BF091243.D

Acq: 18 Nov 2016 19:56

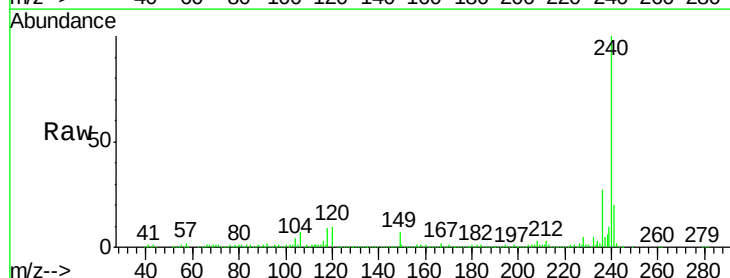
Tgt Ion:149 Resp: 39758

Ion Ratio Lower Upper

149 100

167 27.4 20.4 30.6

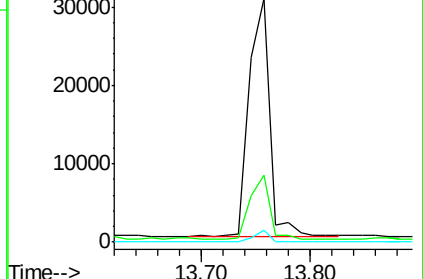
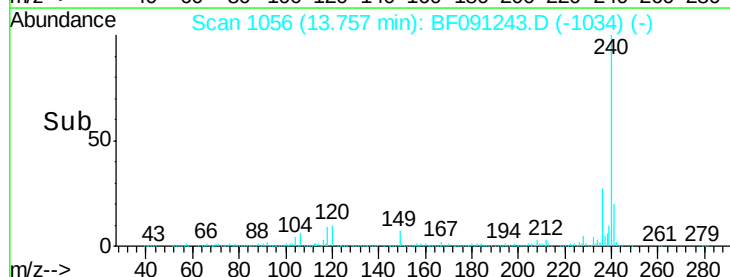
279 4.9 1.6 2.4#

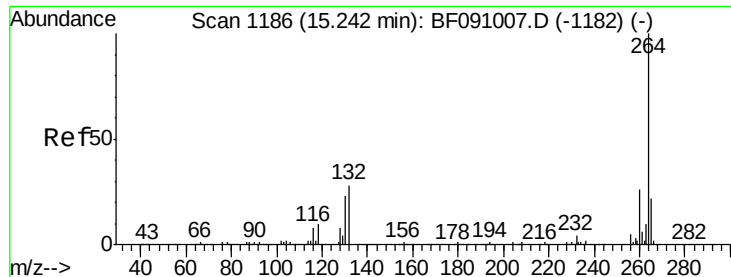


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

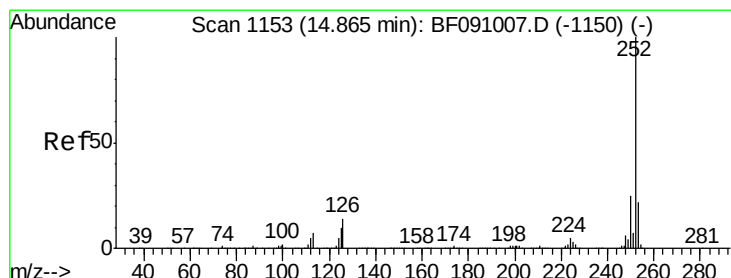
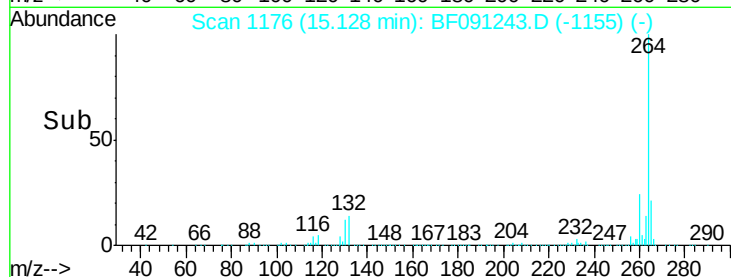
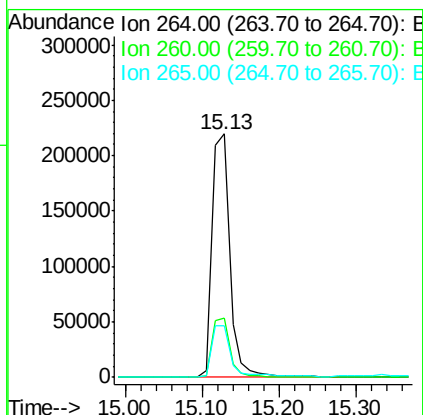
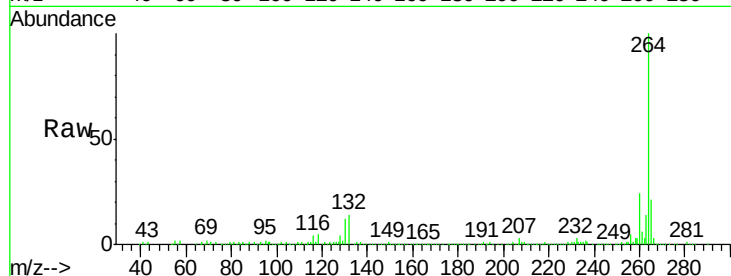




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1176
Delta R.T. -0.06 min
Lab File: BF091243.D
Acq: 18 Nov 2016 19:56

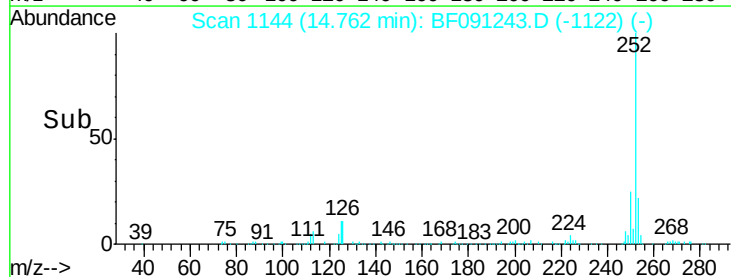
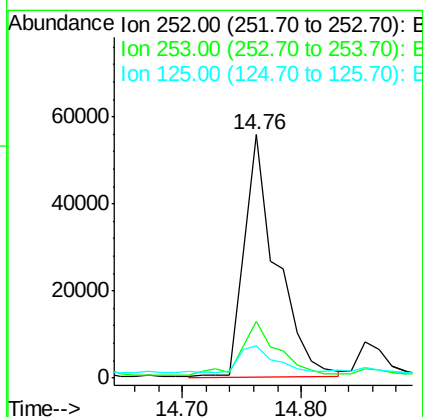
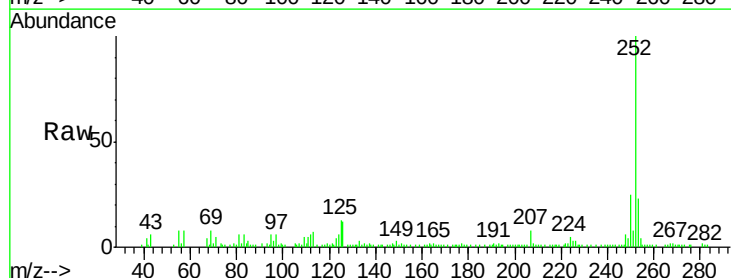
Instrument :
BNA_F
ClientSampleId :
V001-BF021-01

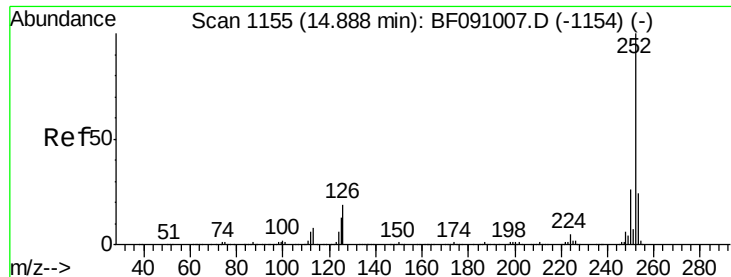
Tgt Ion: 264 Resp: 355344
Ion Ratio Lower Upper
264 100
260 24.5 20.6 30.8
265 21.0 17.8 26.8



#87
Benzo(b)fluoranthene
Concen: 4.37 ng
RT: 14.76 min Scan# 1144
Delta R.T. -0.05 min
Lab File: BF091243.D
Acq: 18 Nov 2016 19:56

Tgt Ion: 252 Resp: 105206
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 13.3 8.3 12.5#

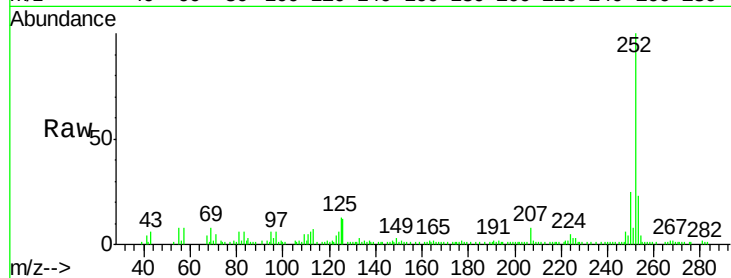




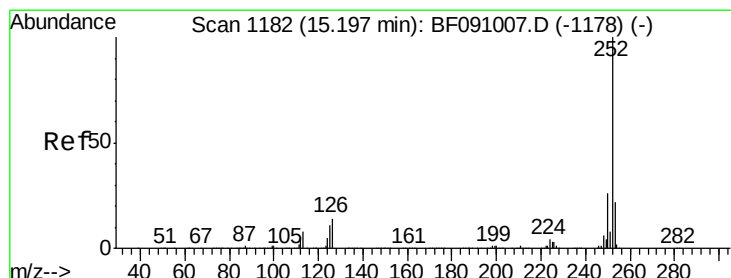
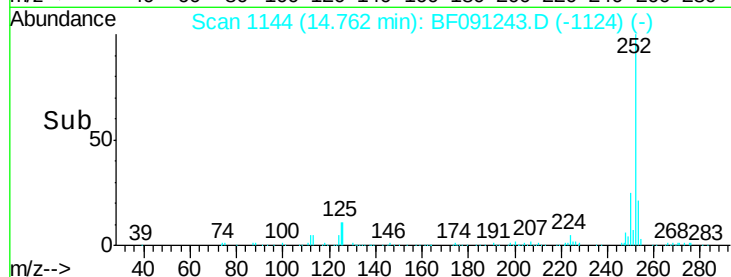
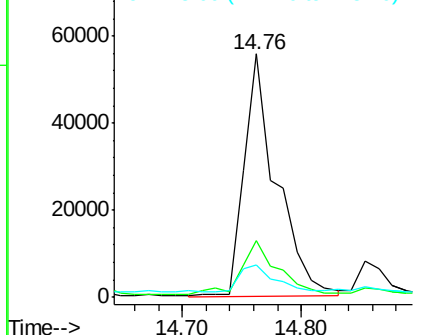
#88
Benzo(k)fluoranthene
Concen: 4.98 ng
RT: 14.76 min Scan# 1144
Delta R.T. -0.07 min
Lab File: BF091243.D
Acq: 18 Nov 2016 19:56

Instrument :
BNA_F
ClientSampleId :
V001-BF021-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	28.0
125	13.3	11.2	16.8

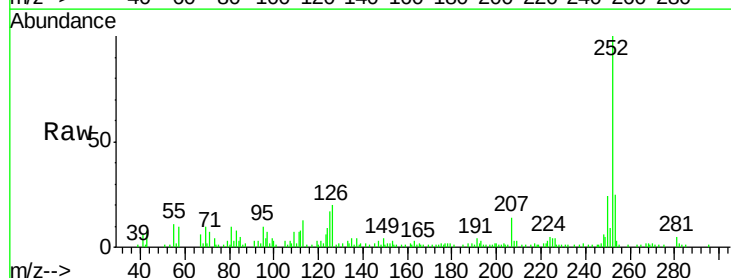


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

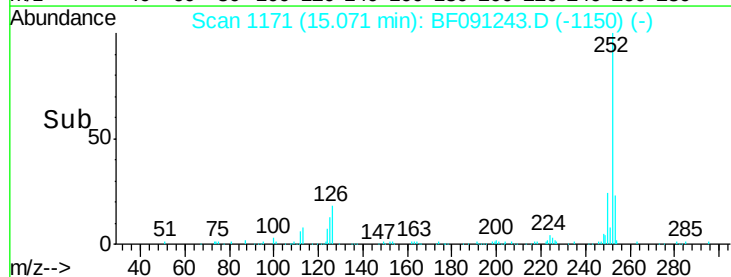
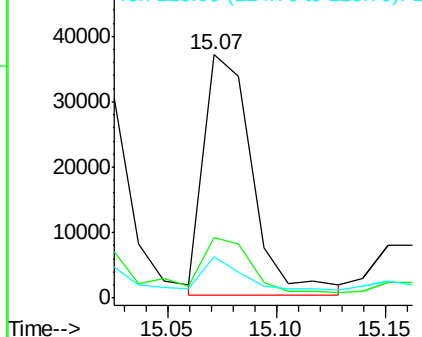


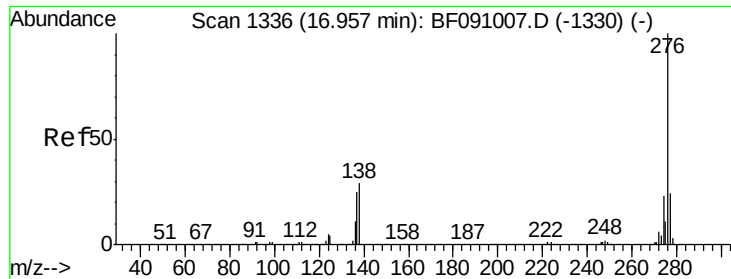
#89
Benzo(a)pyrene
Concen: 2.69 ng
RT: 15.07 min Scan# 1171
Delta R.T. -0.06 min
Lab File: BF091243.D
Acq: 18 Nov 2016 19:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.8
125	17.2	8.6	13.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 2.41 ng

RT: 16.77 min Scan# 1320

Delta R.T. -0.08 min

Lab File: BF091243.D

Acq: 18 Nov 2016 19:56

Instrument :

BNA_F

ClientSampleId :

V001-BF021-01

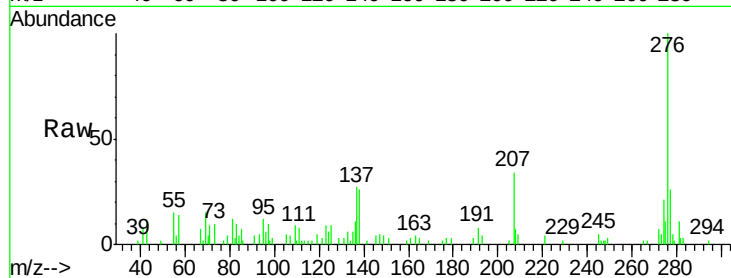
Tgt Ion: 276 Resp: 39459

Ion Ratio Lower Upper

276 100

277 26.5 19.2 28.8

138 25.9 23.3 34.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

