

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091683.D
 Acq On : 16 Dec 2016 20:04
 Operator : UM/SJ
 Sample : H6099-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP02-3FT

Quant Time: Dec 16 22:02:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	223087	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	856409	20.00	ng	-0.02
38) Acenaphthene-d10	9.81	164	491948	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	813193	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	666599	20.00	ng	-0.02
86) Perylene-d12	15.32	264	581658	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1228818	92.80	ng	0.00
7) Phenol-d6	6.42	99	1868072	113.16	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1048599	68.34	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	474893	116.22	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1762540	61.91	ng	-0.01
78) Terphenyl-d14	12.88	244	1606015	54.67	ng	-0.02

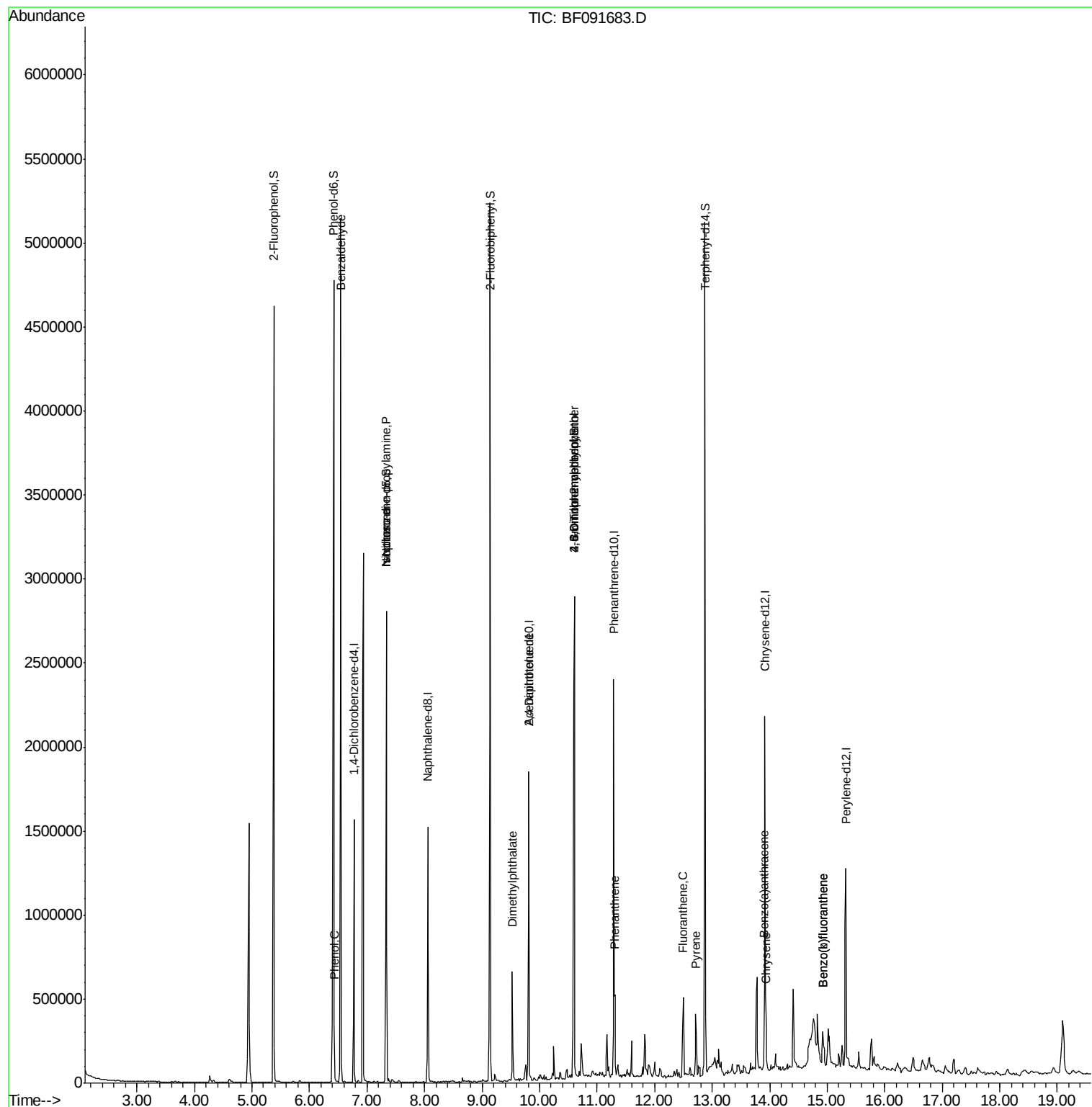
Target Compounds				Qvalue		
9) Benzaldehyde	6.54	77	38348	3.38	ng	84
10) Phenol	6.43	94	98406	5.10	ng	75
19) n-Nitroso-di-n-propylamine	7.33	70	139140	13.48	ng	# 66
25) Isophorone	7.33	82	865782	31.74	ng	# 67
49) Dimethylphthalate	9.53	163	259778	8.34	ng	99
56) 2,4-Dinitrotoluene	9.81	165	64099	7.48	ng	# 33
57) Fluorene	10.35	166	10944	Below Cal		91
64) 4,6-Dinitro-2-methylphenol	10.60	198	1074	3.15	ng	# 27
66) 4-Bromophenyl-phenylether	10.60	248	31415	3.77	ng	# 1
70) Phenanthrene	11.31	178	174933	4.34	ng	99
74) Fluoranthene	12.50	202	240556	5.70	ng	96
77) Pyrene	12.72	202	188980	3.57	ng	95
80) Benzo(a)anthracene	13.91	228	102173	2.64	ng	98
82) Chrysene	13.94	228	81463	2.01	ng	95
87) Benzo(b)fluoranthene	14.92	252	134323	3.87	ng	98
88) Benzo(k)fluoranthene	14.92	252	134323	4.41	ng	99

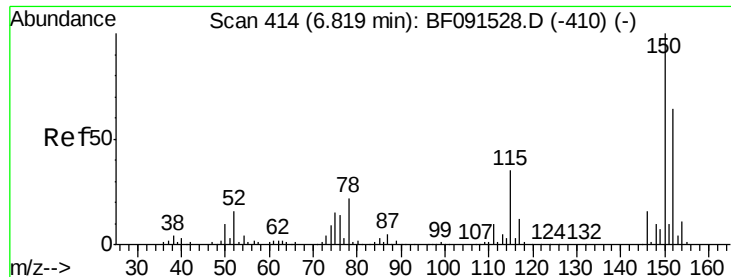
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

Instrument :

BNA_F

ClientSampleId :

TP02-3FT

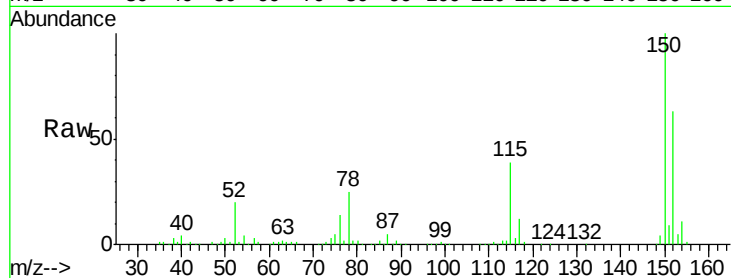
Tgt Ion:152 Resp: 223087

Ion Ratio Lower Upper

152 100

150 157.8 122.5 183.7

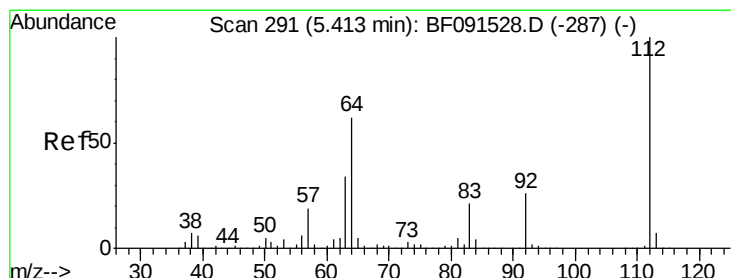
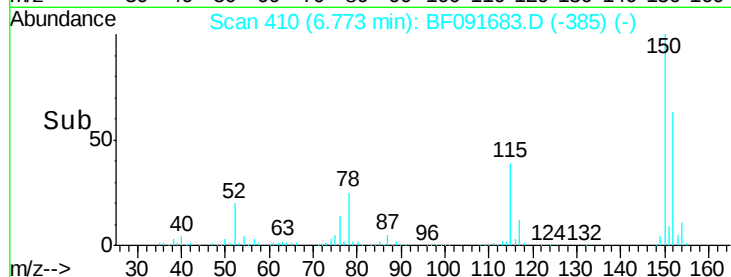
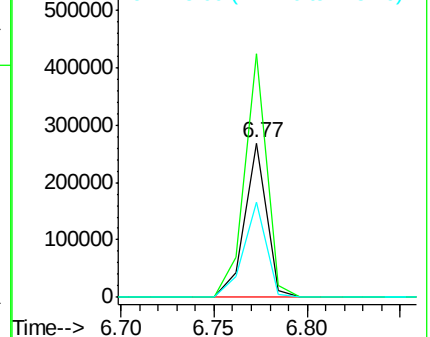
115 61.4 51.8 77.8



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: 92.80 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.00 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

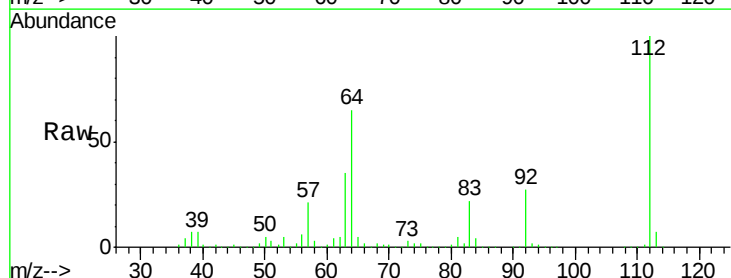
Tgt Ion:112 Resp: 1228818

Ion Ratio Lower Upper

112 100

64 65.1 61.5 92.3

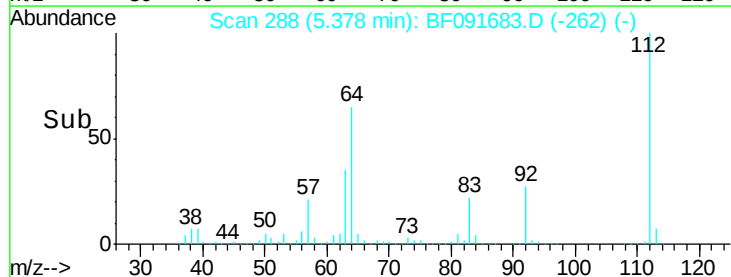
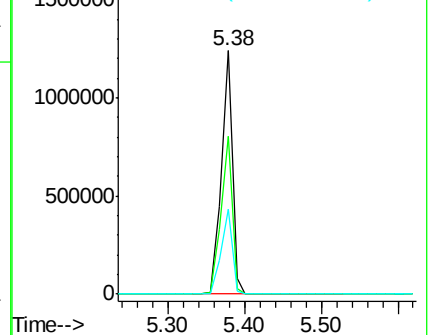
63 35.0 33.3 49.9



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: 113.16 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

Instrument :

BNA_F

ClientSampleId :

TP02-3FT

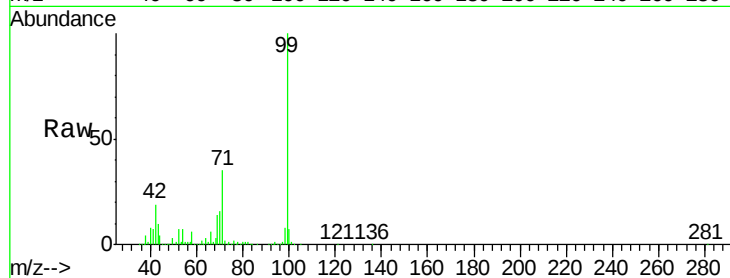
Tgt Ion: 99 Resp: 1868072

Ion Ratio Lower Upper

99 100

42 19.1 20.6 31.0#

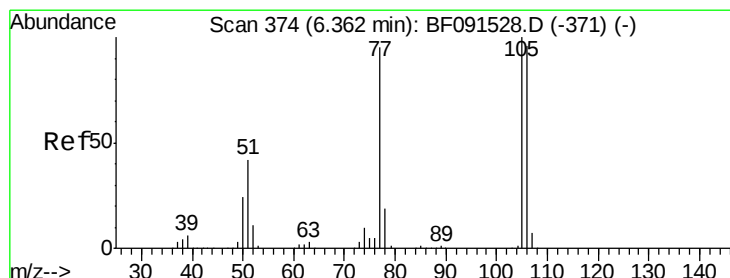
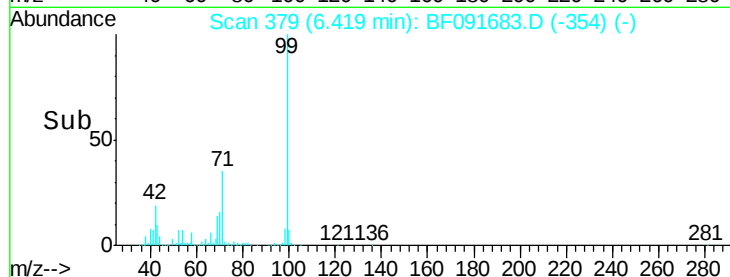
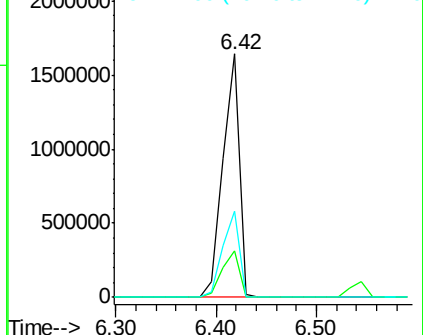
71 35.4 29.9 44.9



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: 3.38 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.22 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

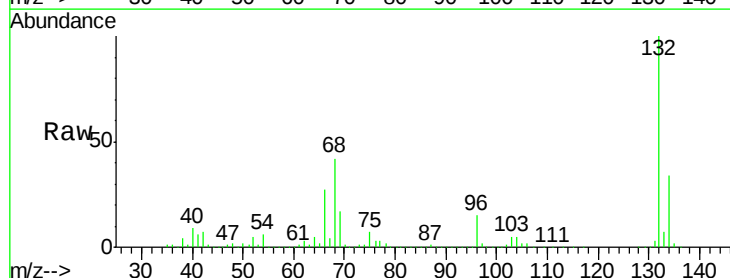
Tgt Ion: 77 Resp: 38348

Ion Ratio Lower Upper

77 100

105 75.0 66.4 106.4

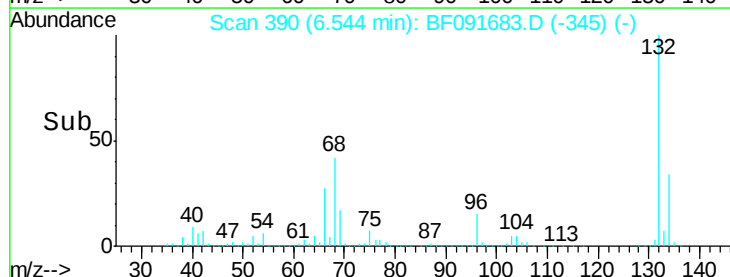
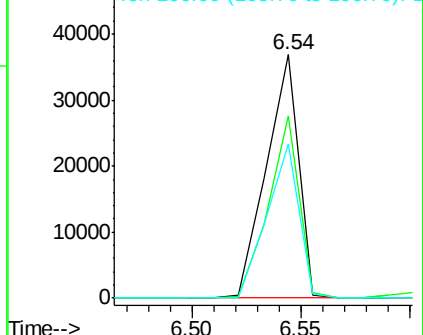
106 63.5 60.9 100.9

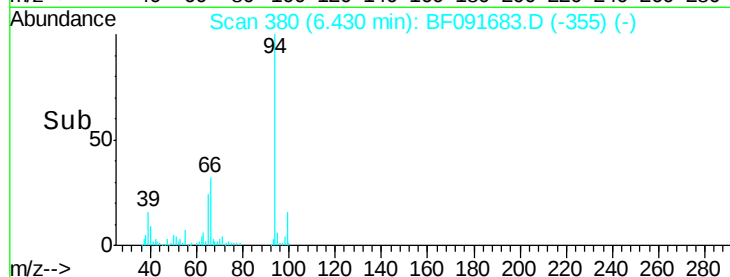
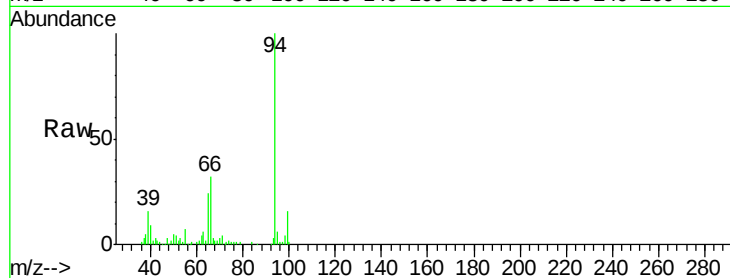
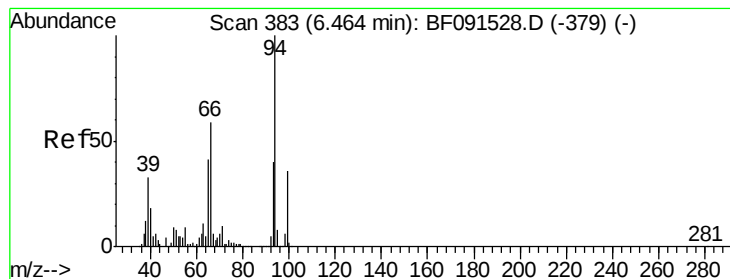


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 5.10 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

Instrument :

BNA_F

ClientSampled :

TP02-3FT

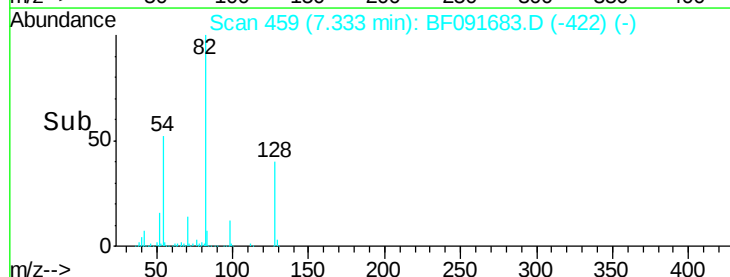
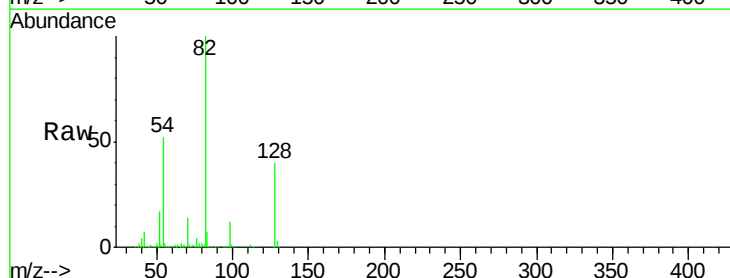
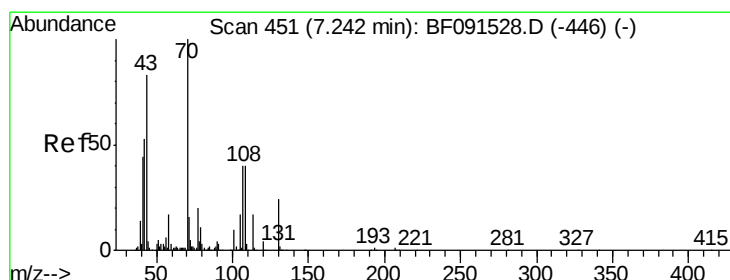
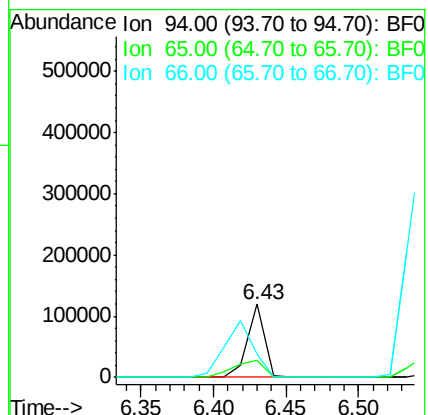
Tgt Ion: 94 Resp: 98406

Ion Ratio Lower Upper

94 100

65 23.5 16.9 56.9

66 31.6 30.6 70.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.48 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.13 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

Tgt Ion: 70 Resp: 139140

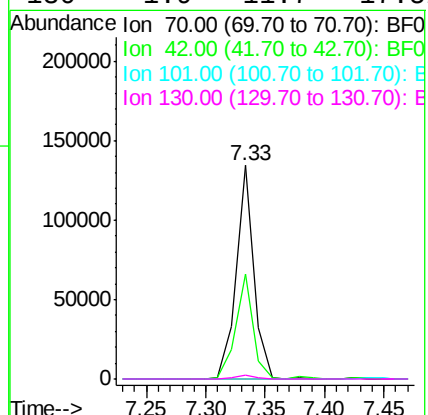
Ion Ratio Lower Upper

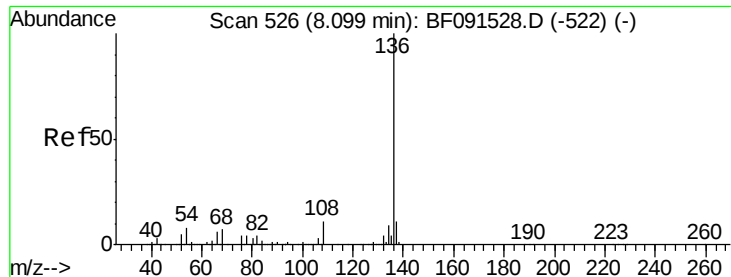
70 100

42 49.4 64.8 97.2#

101 0.0 6.2 9.4#

130 1.9 11.7 17.5#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.02 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

Instrument :

BNA_F

ClientSampleId :

TP02-3FT

Tgt Ion: 136 Resp: 856409

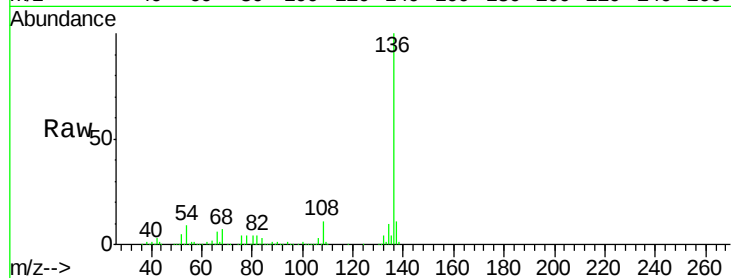
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 9.5 9.1 13.7

68 6.9 5.9 8.9

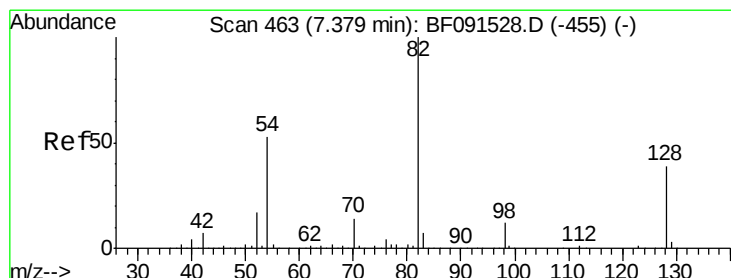
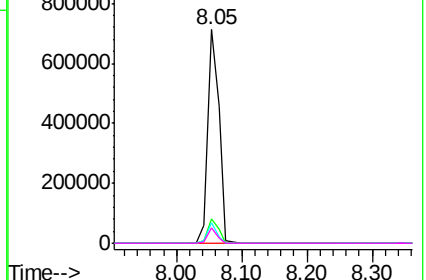
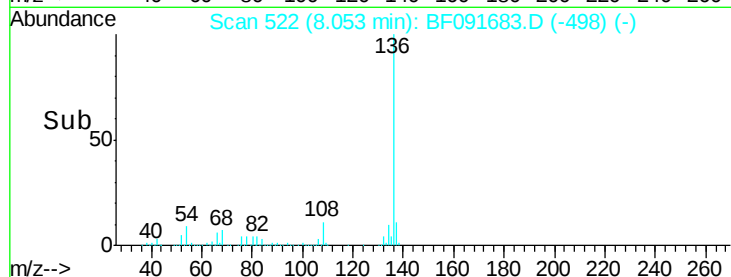


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.34 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.02 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

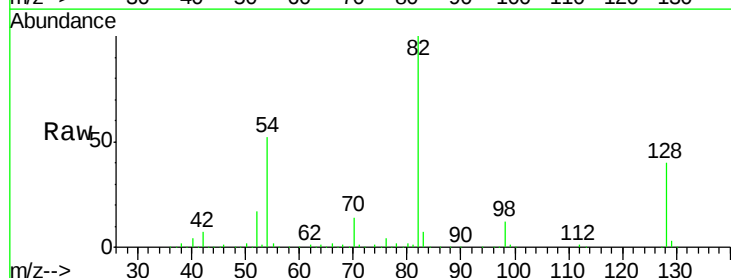
Tgt Ion: 82 Resp: 1048599

Ion Ratio Lower Upper

82 100

128 40.1 31.8 47.6

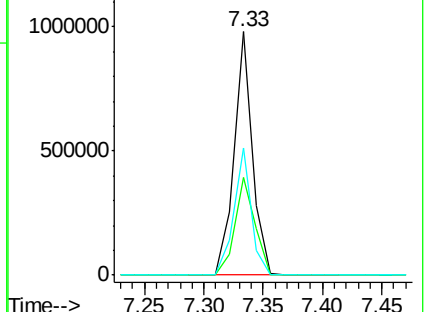
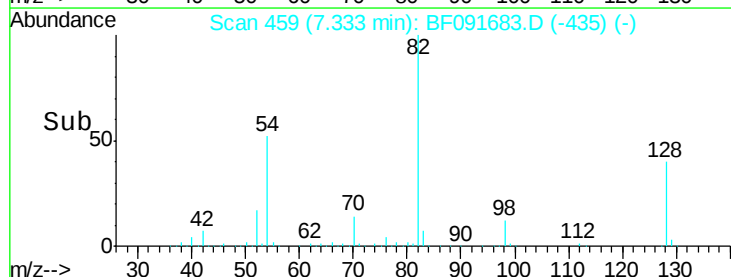
54 52.3 49.1 73.7

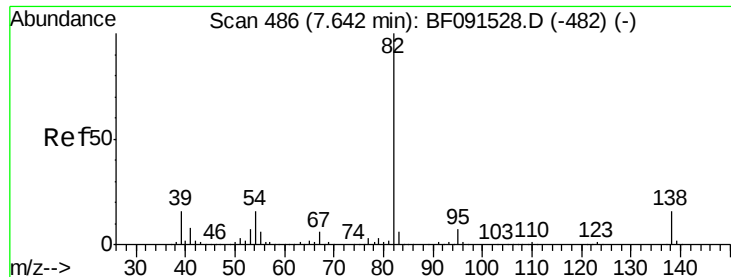


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 31.74 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.29 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

Instrument :

BNA_F

ClientSampled :

TP02-3FT

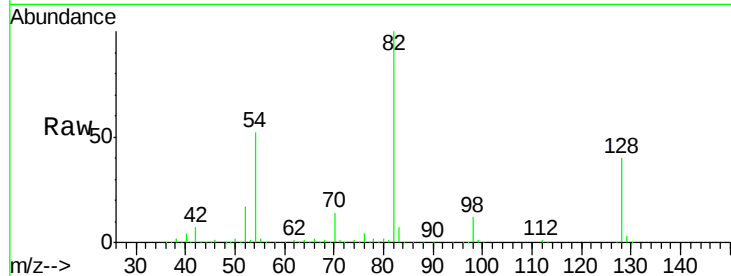
Tgt Ion: 82 Resp: 865782

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

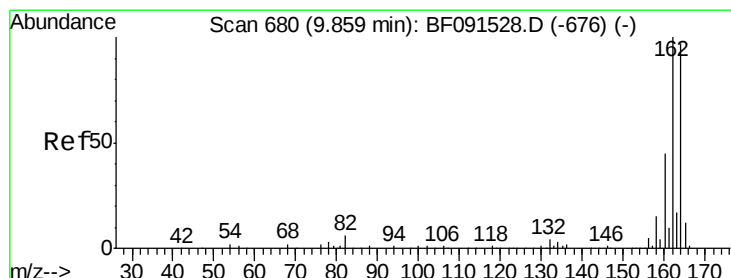
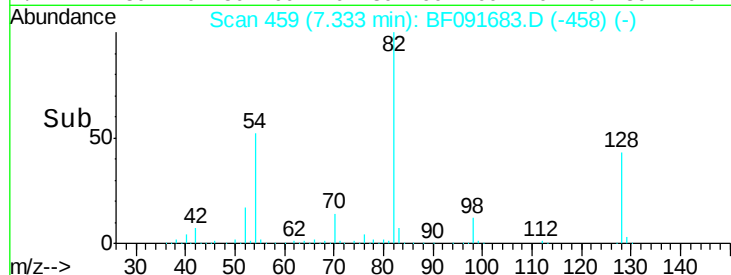
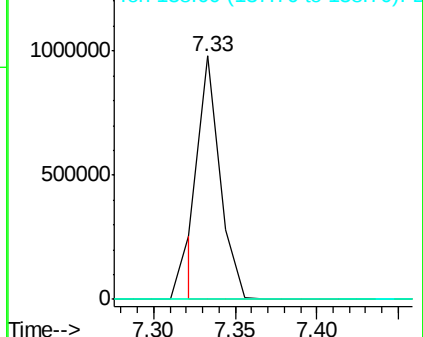
138 0.0 13.4 20.0#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

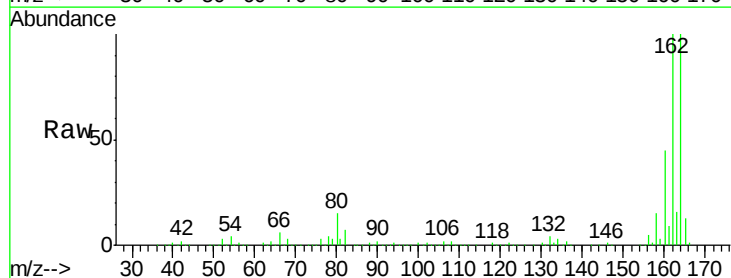
Tgt Ion: 164 Resp: 491948

Ion Ratio Lower Upper

164 100

162 99.8 82.6 124.0

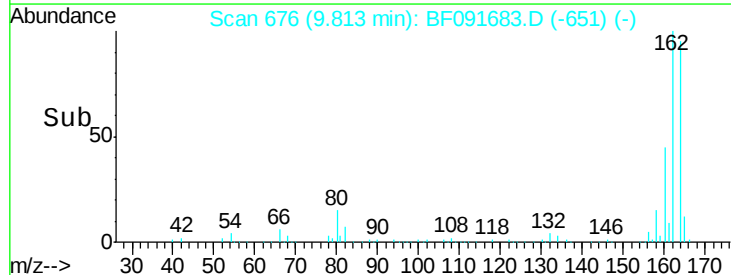
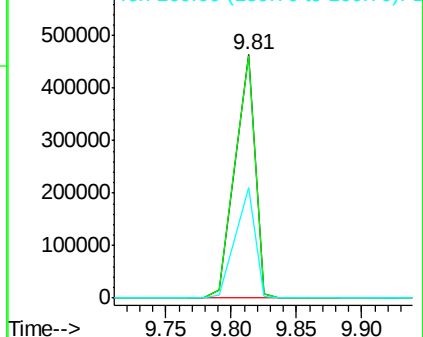
160 45.1 36.7 55.1

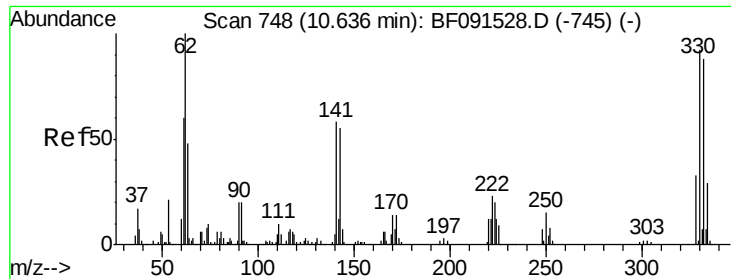


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

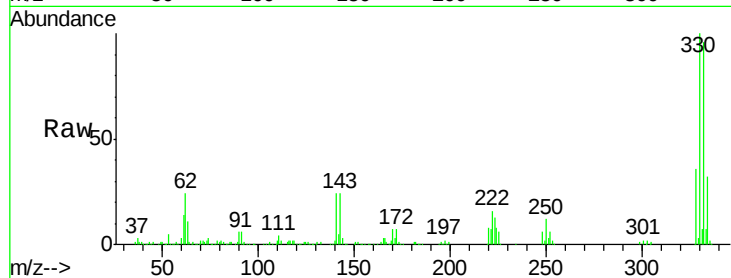




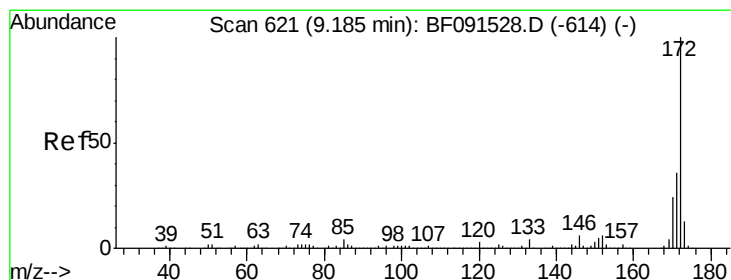
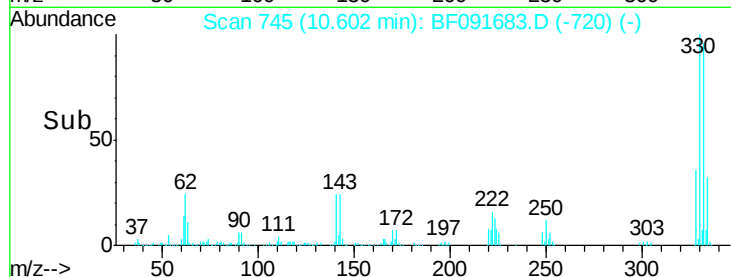
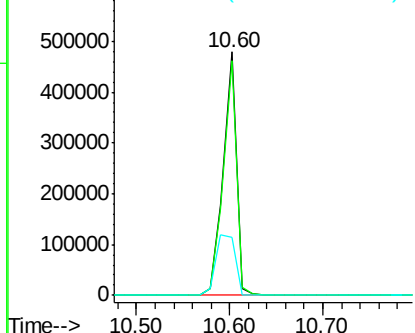
#41
 2,4,6-Tribromophenol
 Concen: 116.22 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF091683.D
 Acq: 16 Dec 2016 20:04

Instrument :
 BNA_F
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 TP02-3FT

Tgt Ion:330 Resp: 474893
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.2 114.4
 141 36.6 33.6 50.4

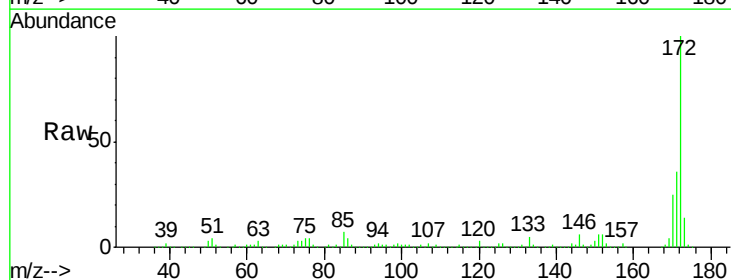


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

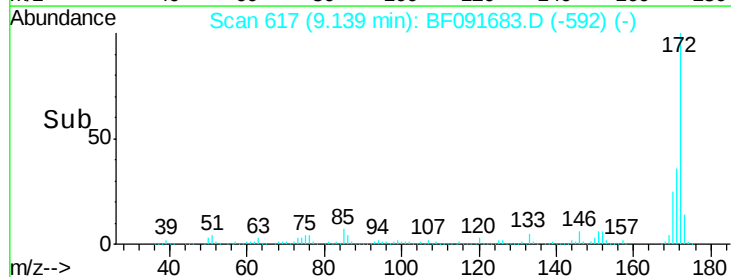
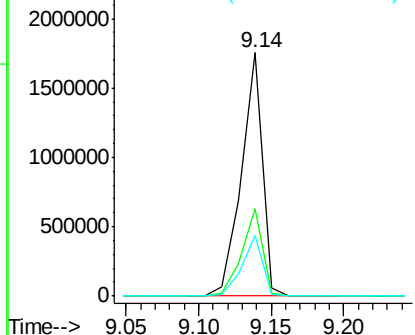


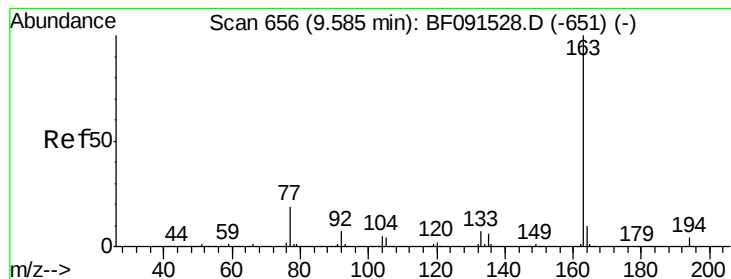
#44
 2-Fluorobiphenyl
 Concen: 61.91 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF091683.D
 Acq: 16 Dec 2016 20:04

Tgt Ion:172 Resp: 1762540
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.7 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: 8.34 ng

RT: 9.53 min Scan# 651

Delta R.T. -0.03 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

Instrument :

BNA_F

ClientSampleId :

TP02-3FT

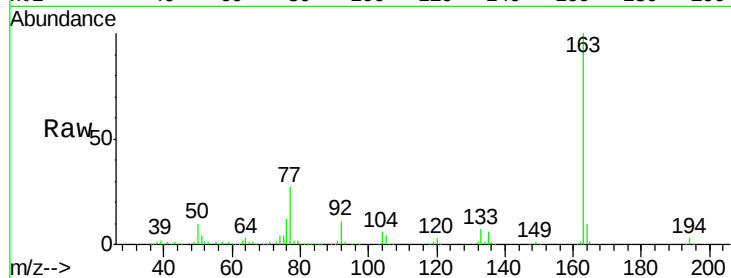
Tgt Ion:163 Resp: 259778

Ion Ratio Lower Upper

163 100

194 3.1 3.0 4.4

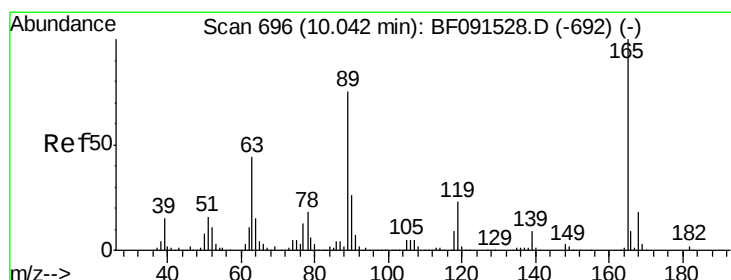
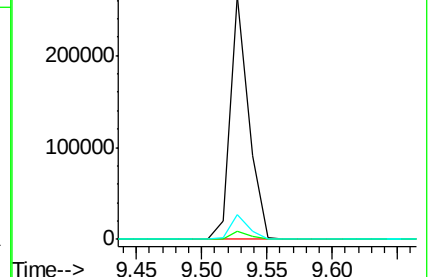
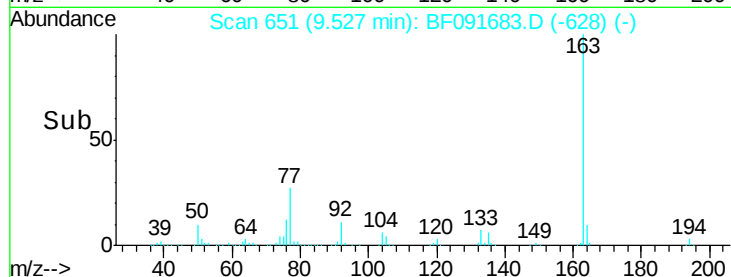
164 10.3 7.8 11.8



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: 7.48 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.21 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

Tgt Ion:165 Resp: 64099

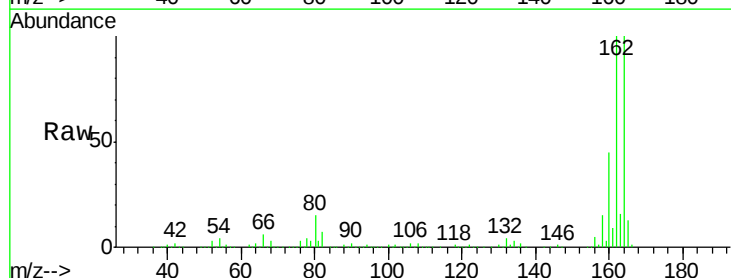
Ion Ratio Lower Upper

165 100

63 0.9 29.0 43.4#

89 0.8 43.1 64.7#

182 0.0 1.9 2.9#

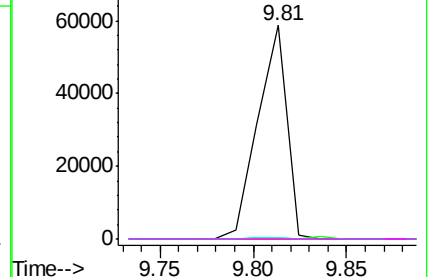
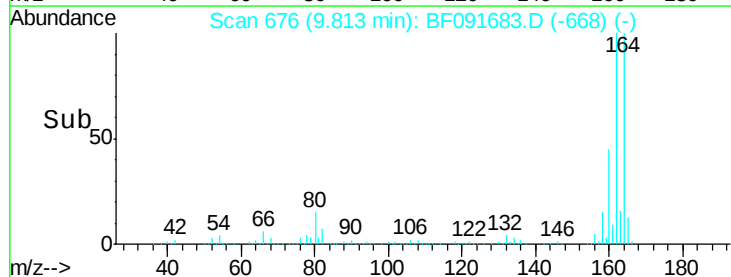


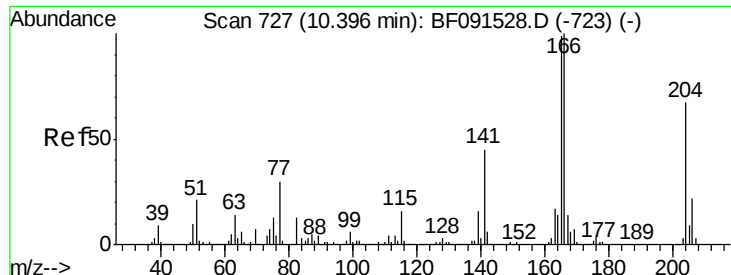
Abundance Ion 165.00 (164.70 to 165.70): E

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

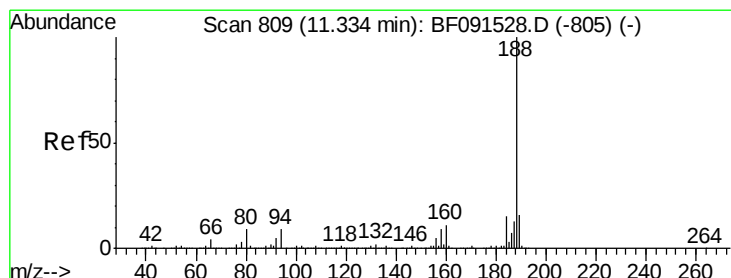
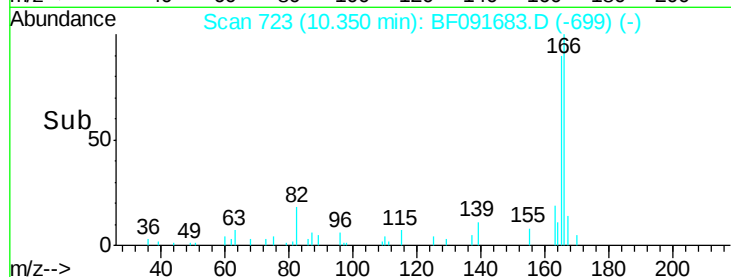
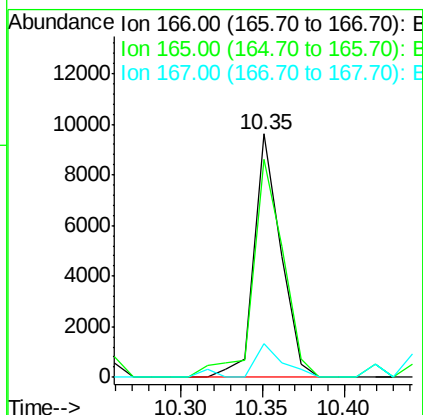
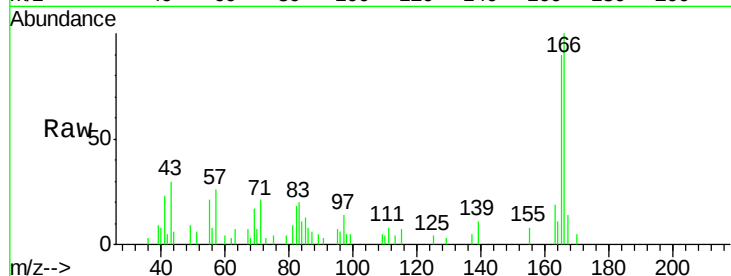




#57
 Fluorene
 Concen: Below Cal
 RT: 10.35 min Scan# 723
 Delta R.T. -0.02 min
 Lab File: BF091683.D
 Acq: 16 Dec 2016 20:04

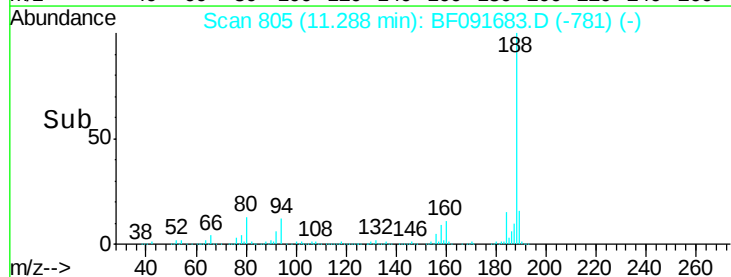
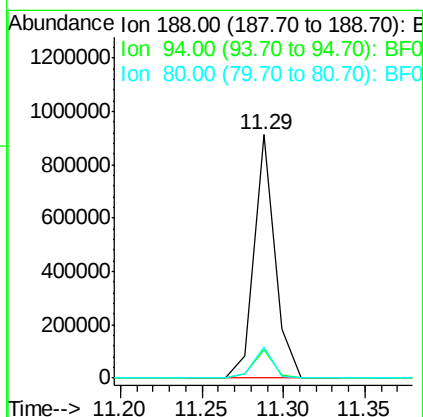
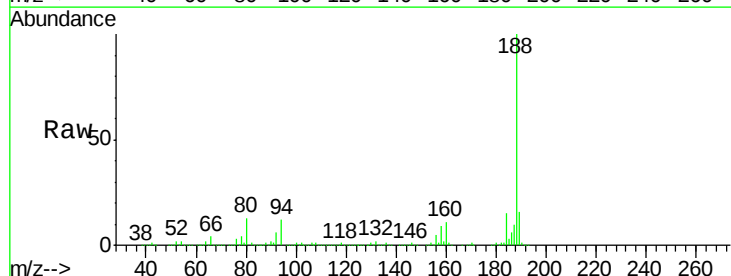
Instrument :
 BNA_F
 ClientSampleId :
 TP02-3FT

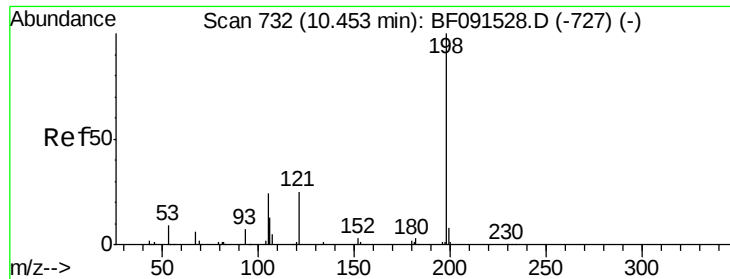
Tgt Ion:166 Resp: 10944
 Ion Ratio Lower Upper
 166 100
 165 89.5 80.0 120.0
 167 13.9 10.8 16.2



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF091683.D
 Acq: 16 Dec 2016 20:04

Tgt Ion:188 Resp: 813193
 Ion Ratio Lower Upper
 188 100
 94 11.6 9.2 13.8
 80 12.6 10.5 15.7





#64

4,6-Dinitro-2-methylphenol

Concen: 3.15 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.17 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

Instrument :

BNA_F

ClientSampled :

TP02-3FT

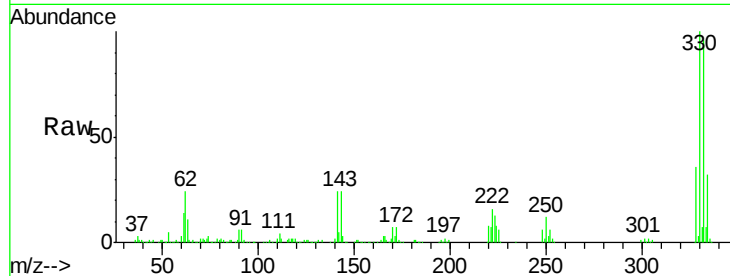
Tgt Ion:198 Resp: 1074

Ion Ratio Lower Upper

198 100

51 145.1 77.1 117.1#

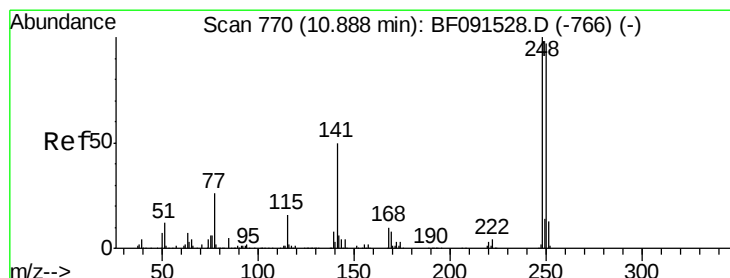
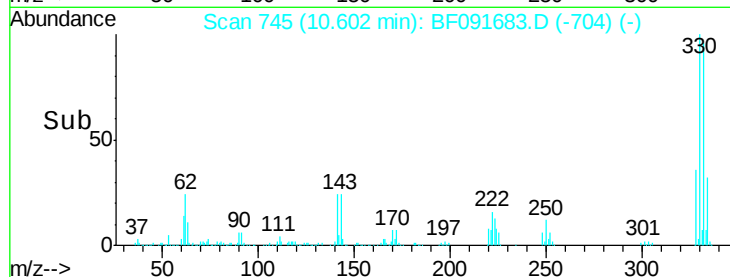
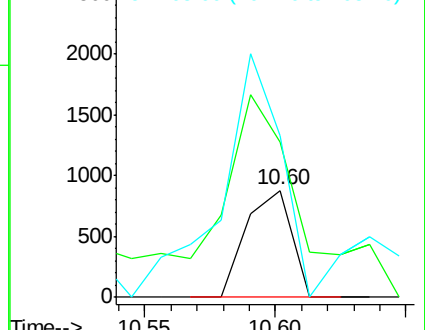
105 150.5 44.8 84.8#



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: 3.77 ng

RT: 10.60 min Scan# 745

Delta R.T. -0.25 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

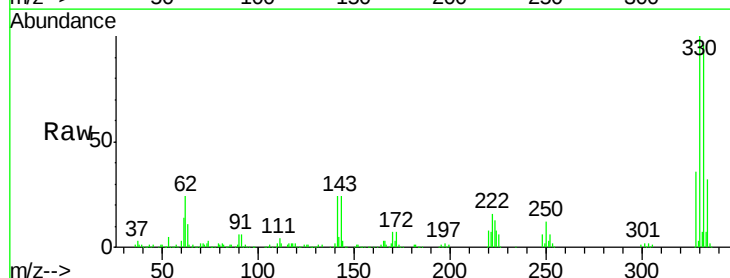
Tgt Ion:248 Resp: 31415

Ion Ratio Lower Upper

248 100

250 198.8 78.2 117.4#

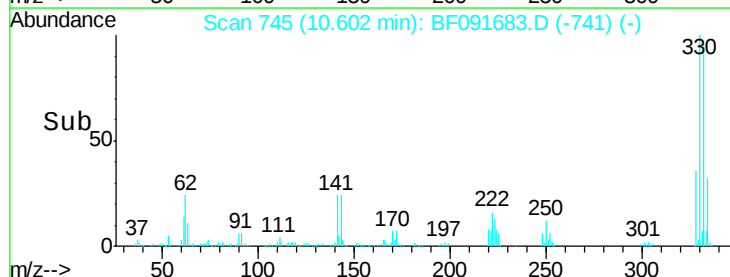
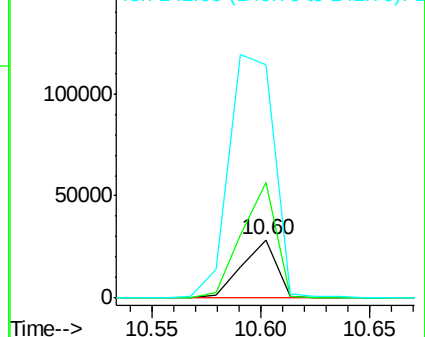
141 400.9 71.9 107.9#

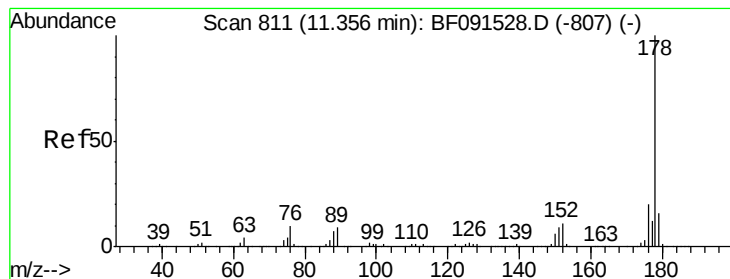


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 4.34 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.02 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

Instrument :

BNA_F

ClientSampleId :

TP02-3FT

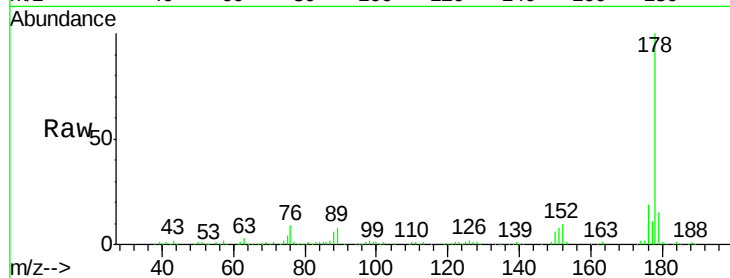
Tgt Ion:178 Resp: 174933

Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

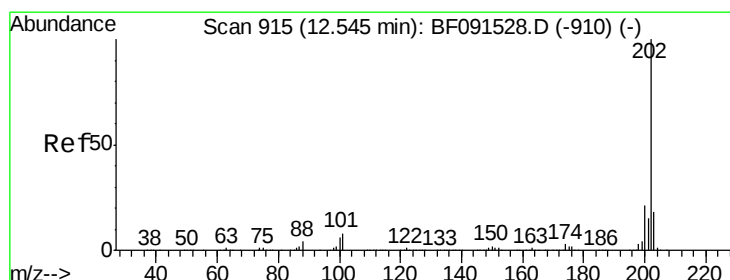
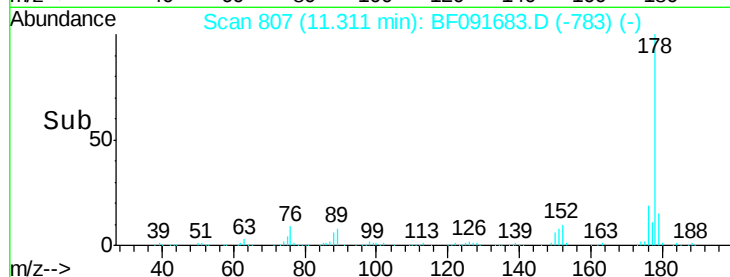
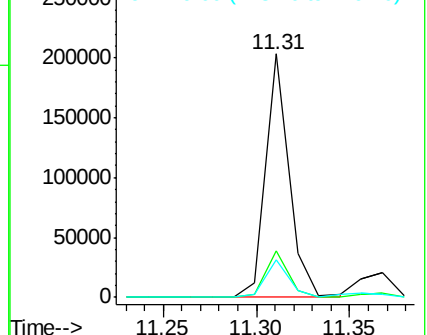
179 15.2 12.6 18.8



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: 5.70 ng

RT: 12.50 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

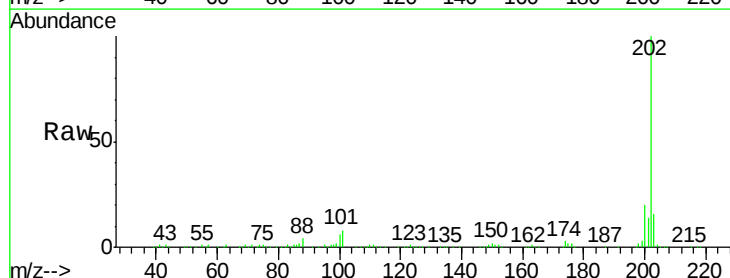
Tgt Ion:202 Resp: 240556

Ion Ratio Lower Upper

202 100

101 7.6 0.0 29.5

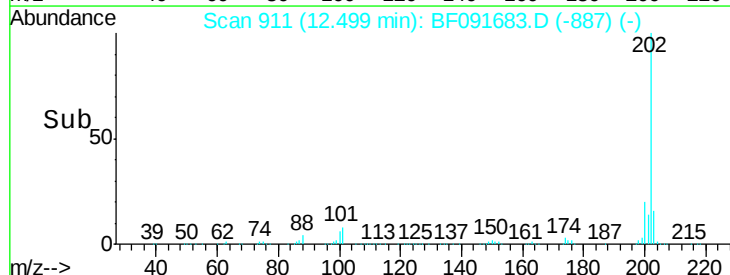
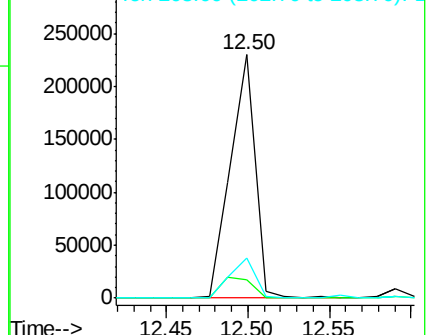
203 16.4 0.0 37.8

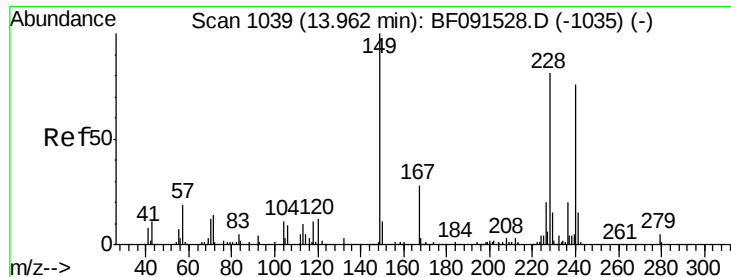


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.92 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

Instrument :

BNA_F

ClientSampleId :

TP02-3FT

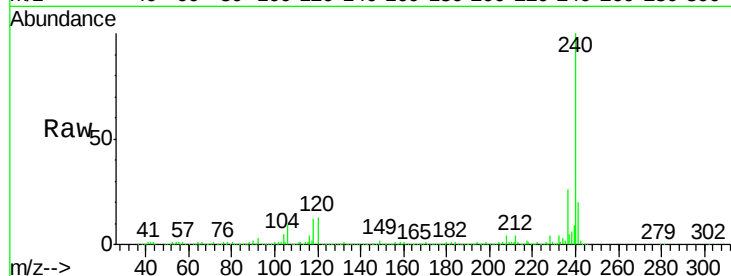
Tgt Ion:240 Resp: 666599

Ion Ratio Lower Upper

240 100

120 13.3 12.1 18.1

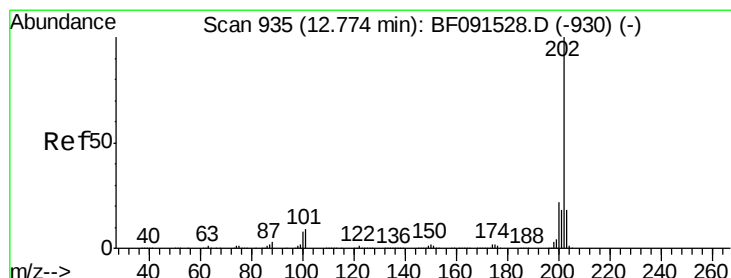
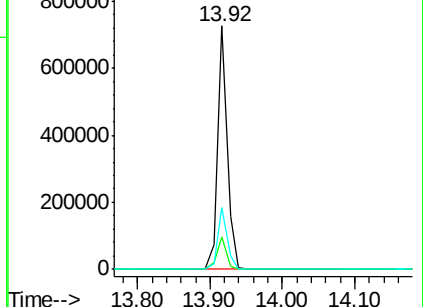
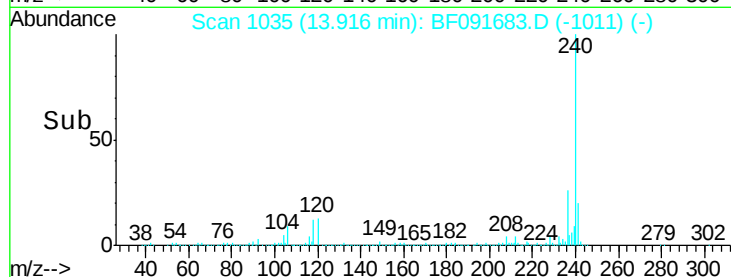
236 25.5 21.0 31.6



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



#77

Pyrene

Concen: 3.57 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.02 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

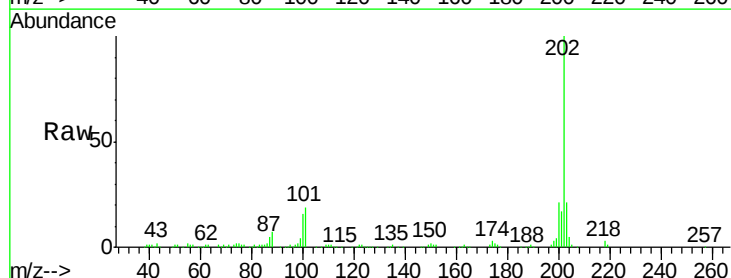
Tgt Ion:202 Resp: 188980

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

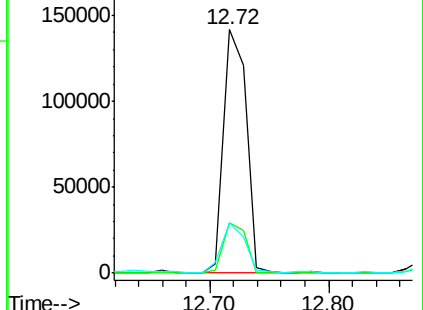
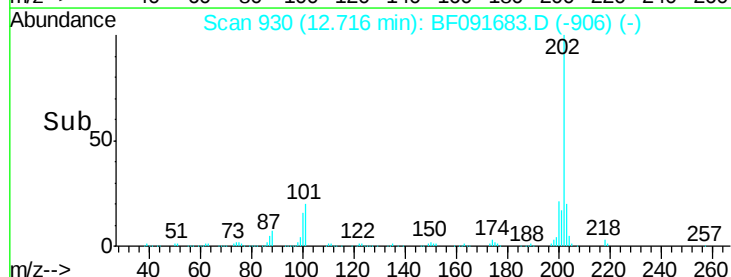
203 20.6 14.0 21.0

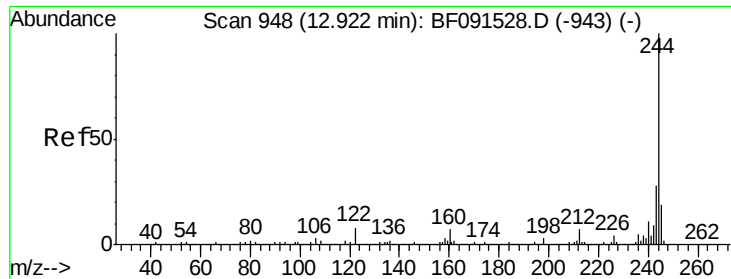


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.67 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

Instrument :

BNA_F

ClientSampleId :

TP02-3FT

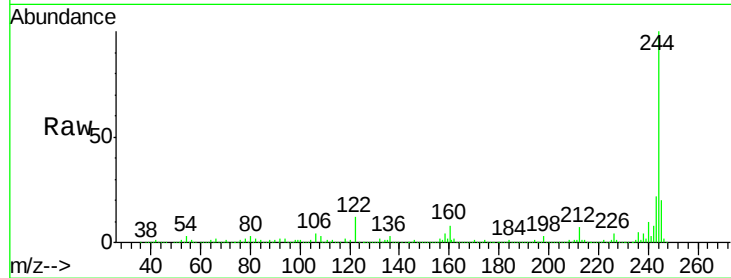
Tgt Ion:244 Resp: 1606015

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

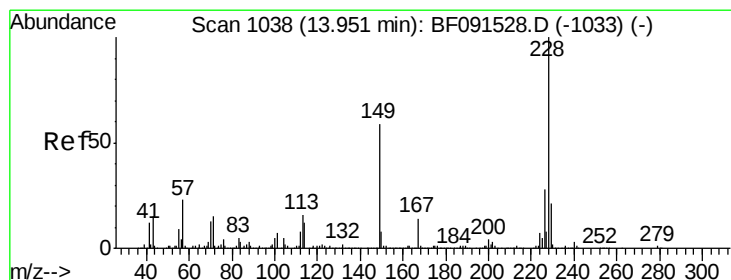
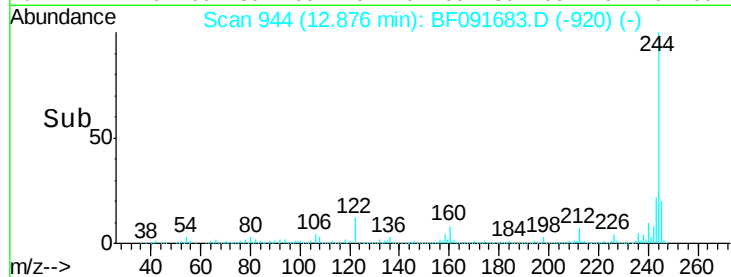
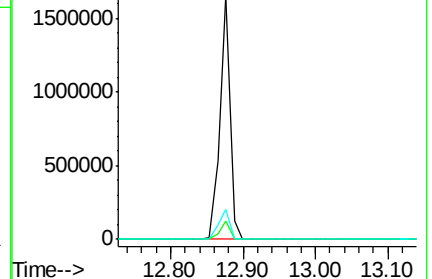
122 12.4 9.5 14.3



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



#80

Benzo(a)anthracene

Concen: 2.64 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

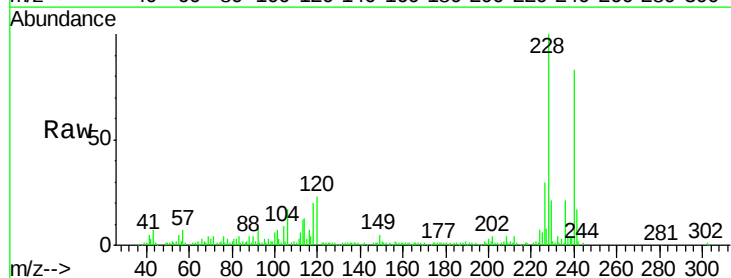
Tgt Ion:228 Resp: 102173

Ion Ratio Lower Upper

228 100

226 29.6 22.5 33.7

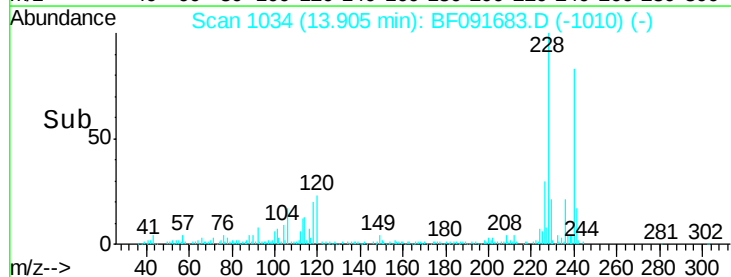
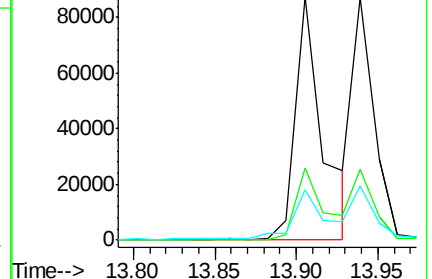
229 20.7 16.4 24.6

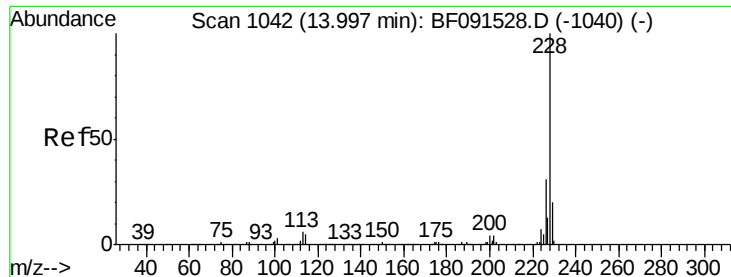


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.01 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

Instrument :

BNA_F

ClientSampled :

TP02-3FT

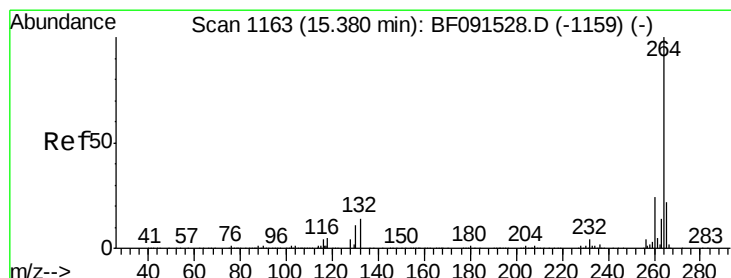
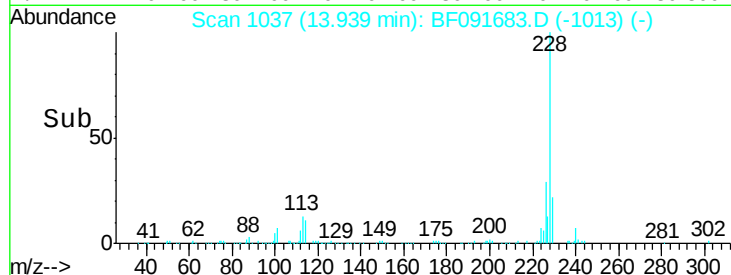
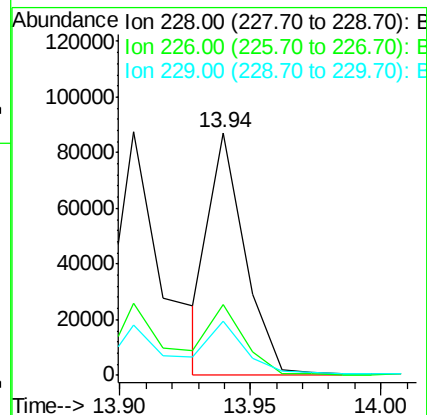
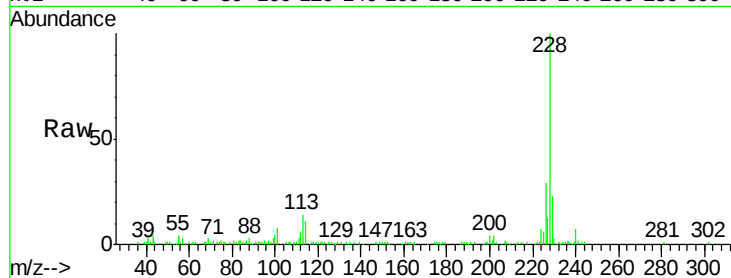
Tgt Ion:228 Resp: 81463

Ion Ratio Lower Upper

228 100

226 29.1 25.0 37.4

229 22.6 16.0 24.0



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.32 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BF091683.D

Acq: 16 Dec 2016 20:04

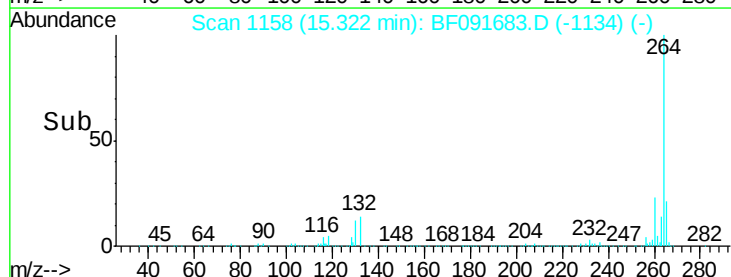
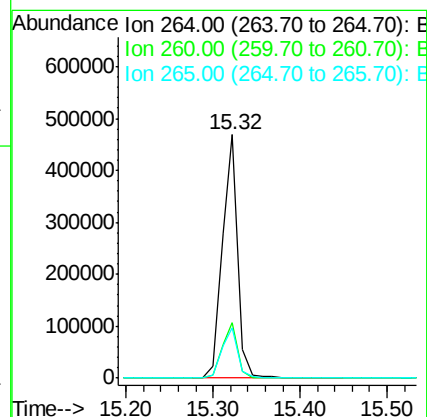
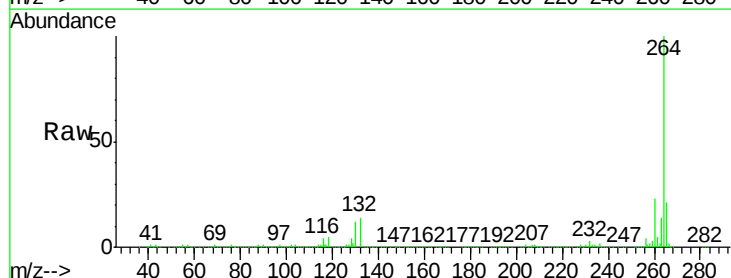
Tgt Ion:264 Resp: 581658

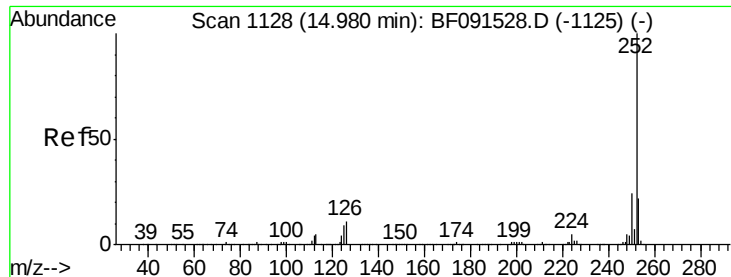
Ion Ratio Lower Upper

264 100

260 23.0 18.8 28.2

265 20.9 17.0 25.6

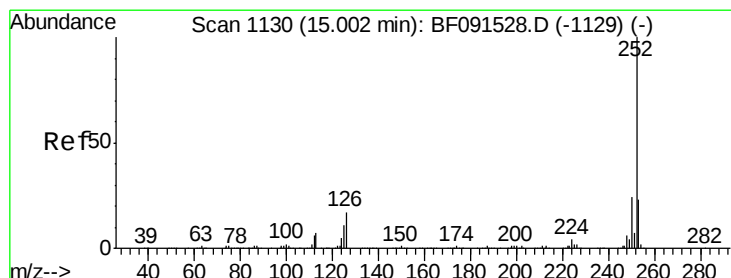
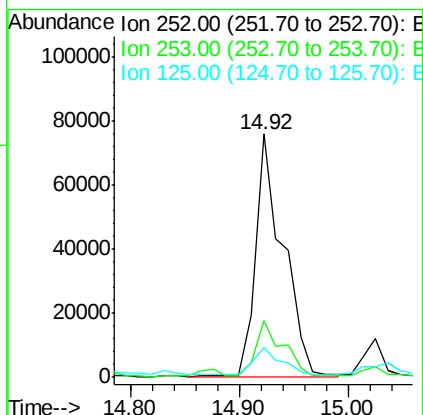
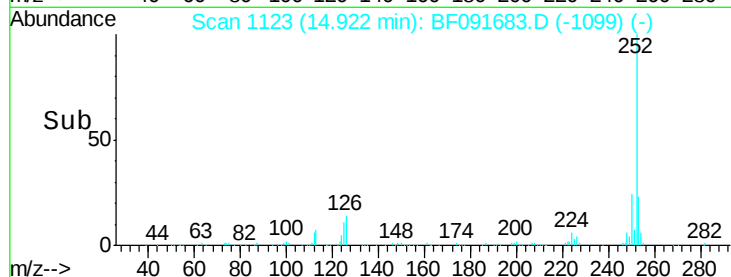
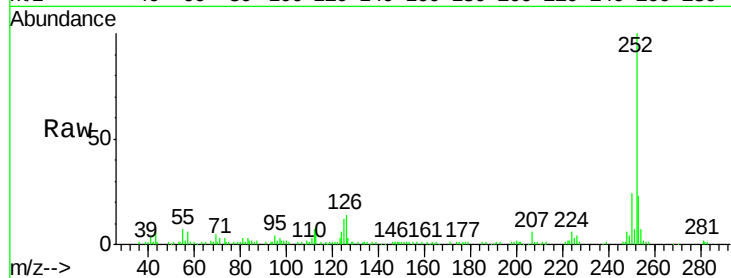




#87
Benzo(b)fluoranthene
Concen: 3.87 ng
RT: 14.92 min Scan# 1123
Delta R.T. -0.02 min
Lab File: BF091683.D
Acq: 16 Dec 2016 20:04

Instrument :
BNA_F
ClientSampleId :
TP02-3FT

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	12.2	8.6	13.0



#88
Benzo(k)fluoranthene
Concen: 4.41 ng
RT: 14.92 min Scan# 1123
Delta R.T. -0.06 min
Lab File: BF091683.D
Acq: 16 Dec 2016 20:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	12.2	9.6	14.4

