

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091689.D
 Acq On : 16 Dec 2016 22:50
 Operator : UM/SJ
 Sample : H6099-16
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP13-1.5FT

Quant Time: Dec 16 23:47:53 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

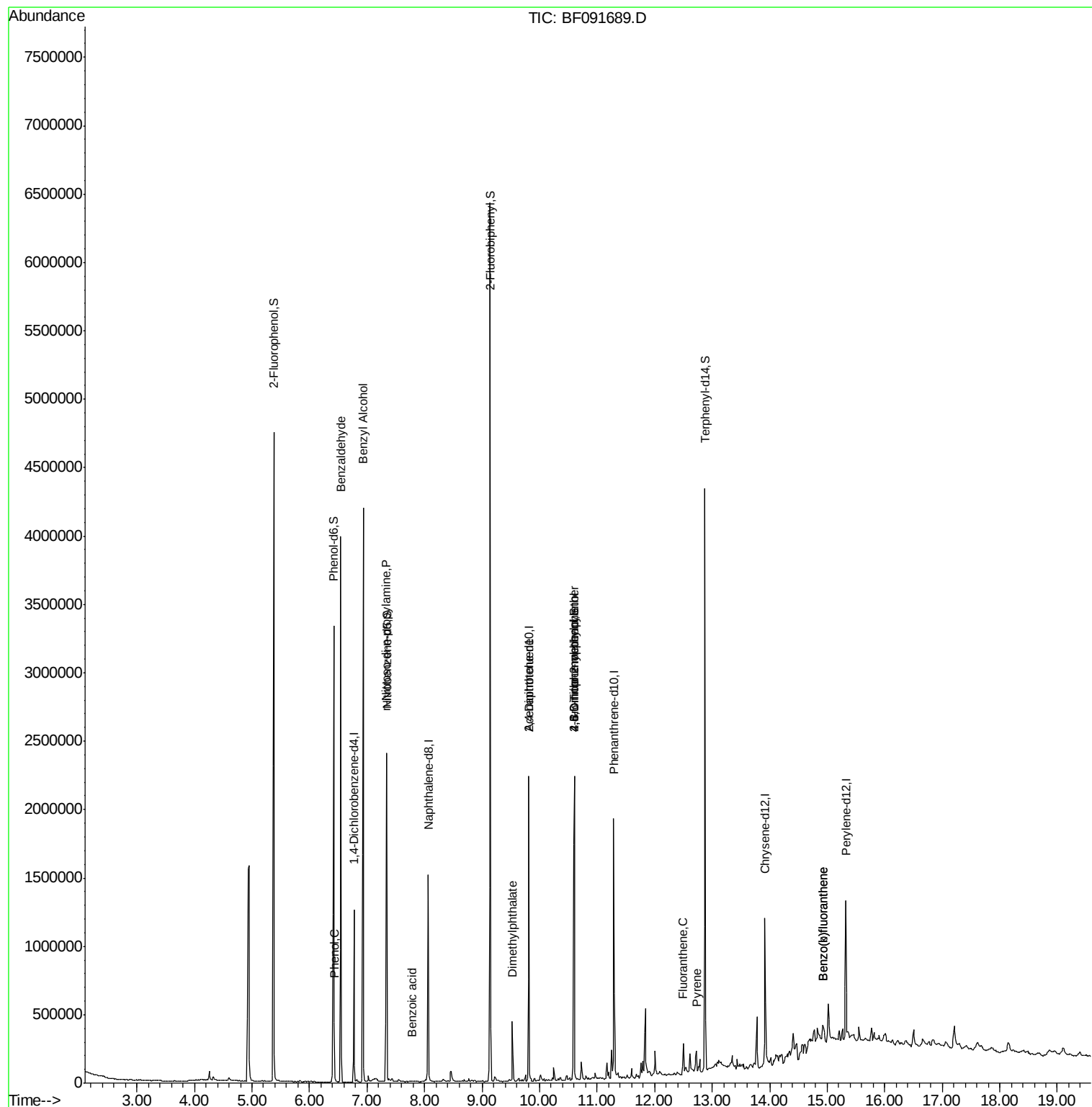
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	168396	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	1014885	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	497958	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	640881	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	375363	20.00	ng	-0.02
86) Perylene-d12	15.32	264	466169	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1425195	142.59	ng	0.00
7) Phenol-d6	6.42	99	1066725	85.61	ng	-0.01
23) Nitrobenzene-d5	7.34	82	1282231	70.52	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	361779	87.47	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1859774	64.53	ng	-0.01
78) Terphenyl-d14	12.88	244	1290252	78.00	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.54	77	25688	3.00	ng	88
10) Phenol	6.43	94	79441	5.45	ng	87
15) Benzyl Alcohol	6.93	79	20948	2.13	ng	# 33
19) n-Nitroso-di-n-propylamine	7.33	70	170045	21.82	ng	# 65
32) Benzoic acid	7.78	122	977	4.98	ng	# 80
49) Dimethylphthalate	9.53	163	199657	6.33	ng	97
56) 2,4-Dinitrotoluene	9.81	165	64013	7.38	ng	# 33
57) Fluorene	10.35	166	4402	Below Cal		# 92
64) 4,6-Dinitro-2-methylphenol	10.60	198	832	3.15	ng	# 28
66) 4-Bromophenyl-phenylether	10.60	248	23425	3.57	ng	# 1
74) Fluoranthene	12.50	202	90571	2.73	ng	98
77) Pyrene	12.73	202	76833	2.58	ng	97
87) Benzo(b)fluoranthene	14.92	252	86468	3.11	ng	# 91
88) Benzo(k)fluoranthene	14.92	252	86468	3.54	ng	# 92

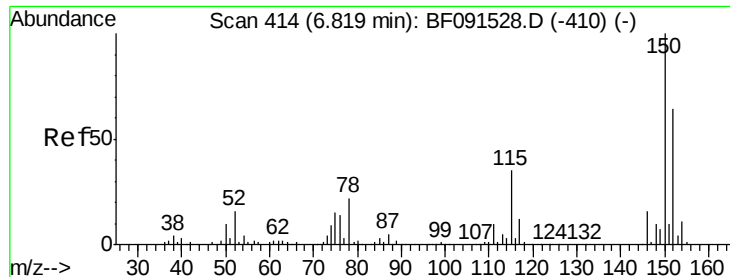
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF091689.D

Acq: 16 Dec 2016 22:50

Instrument :

BNA_F

ClientSampleId :

TP13-1.5FT

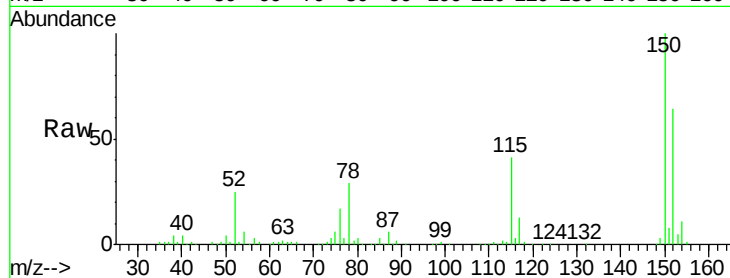
Tgt Ion:152 Resp: 168396

Ion Ratio Lower Upper

152 100

150 157.4 122.5 183.7

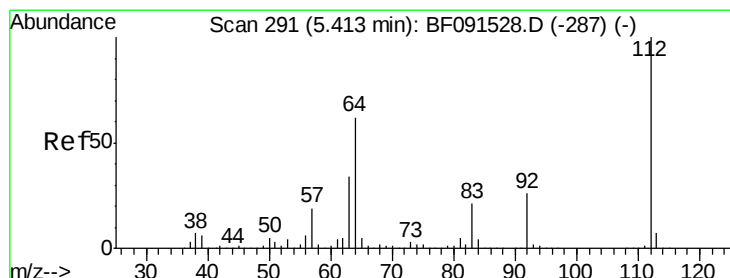
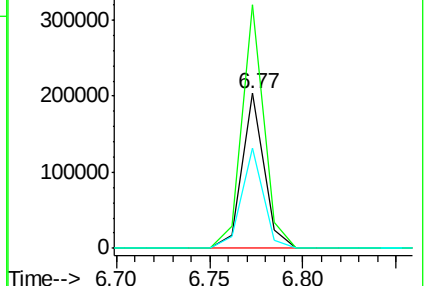
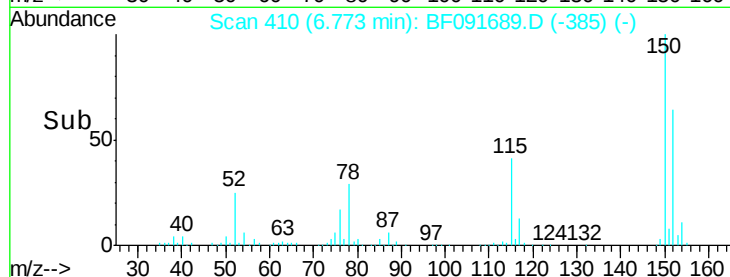
115 65.0 51.8 77.8



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: 142.59 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.00 min

Lab File: BF091689.D

Acq: 16 Dec 2016 22:50

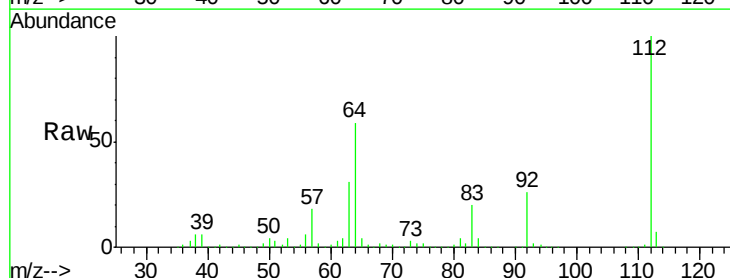
Tgt Ion:112 Resp: 1425195

Ion Ratio Lower Upper

112 100

64 58.9 61.5 92.3#

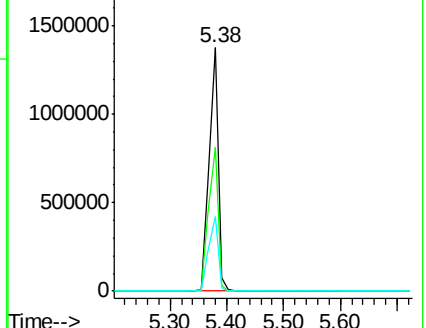
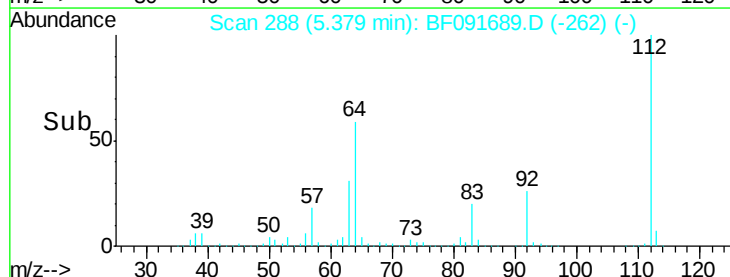
63 30.6 33.3 49.9#

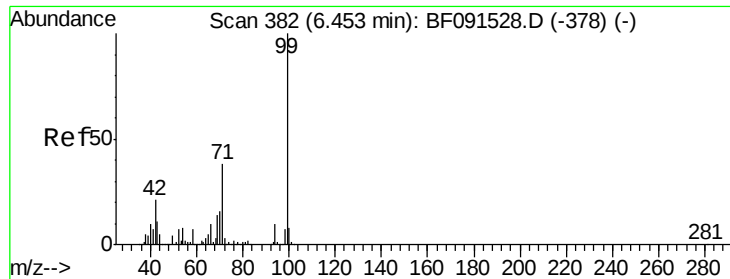


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 85.61 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091689.D

Acq: 16 Dec 2016 22:50

Instrument :

BNA_F

ClientSampleId :

TP13-1.5FT

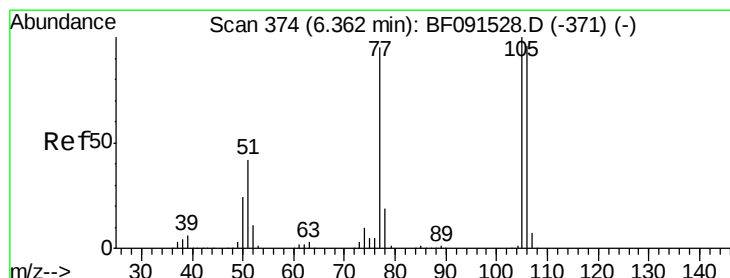
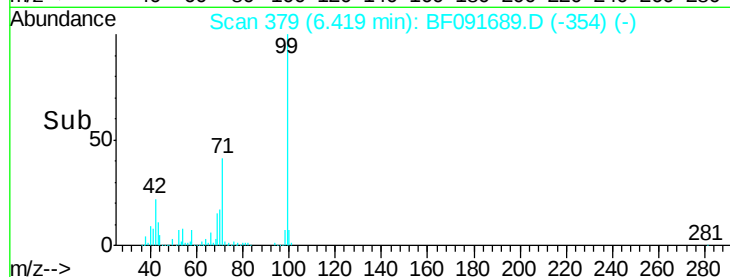
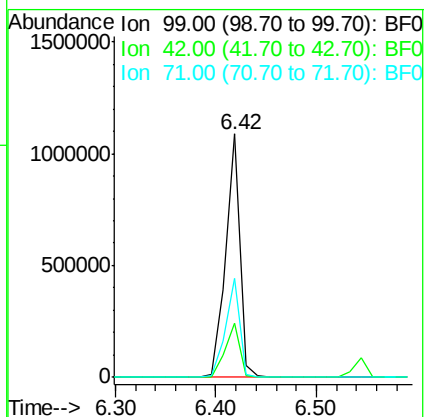
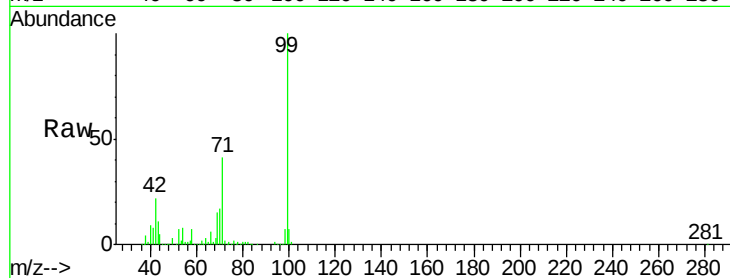
Tgt Ion: 99 Resp: 1066725

Ion Ratio Lower Upper

99 100

42 22.3 20.6 31.0

71 40.7 29.9 44.9



#9

Benzaldehyde

Concen: 3.00 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.22 min

Lab File: BF091689.D

Acq: 16 Dec 2016 22:50

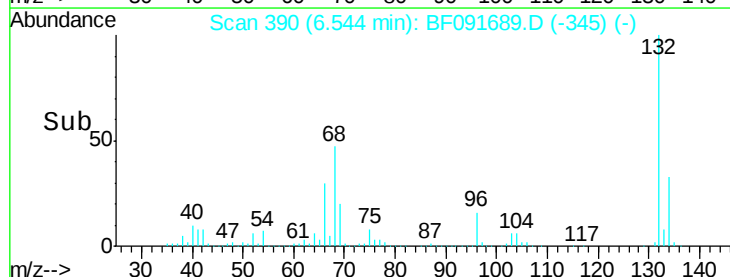
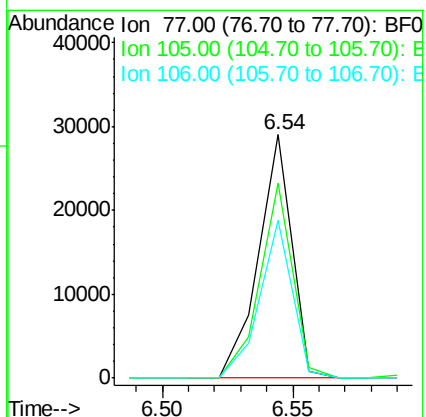
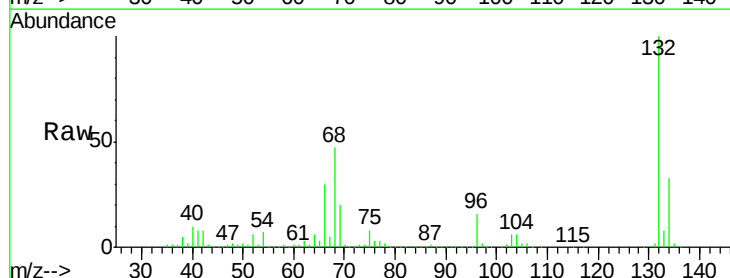
Tgt Ion: 77 Resp: 25688

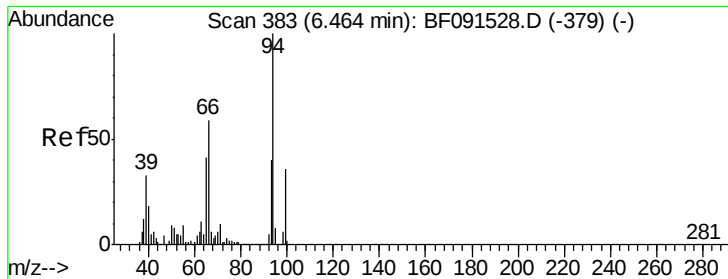
Ion Ratio Lower Upper

77 100

105 80.0 66.4 106.4

106 64.8 60.9 100.9





#10

Phenol

Concen: 5.45 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF091689.D

Acq: 16 Dec 2016 22:50

Instrument :

BNA_F

ClientSampled :

TP13-1.5FT

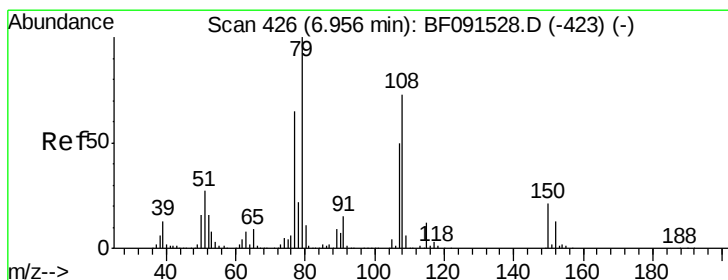
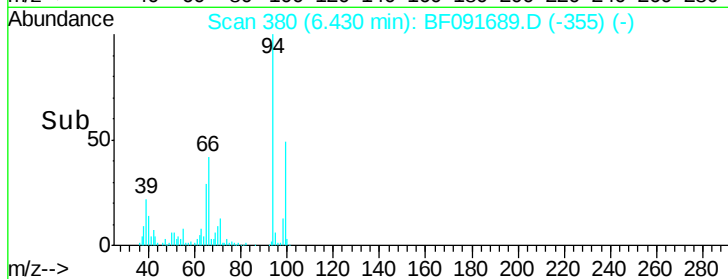
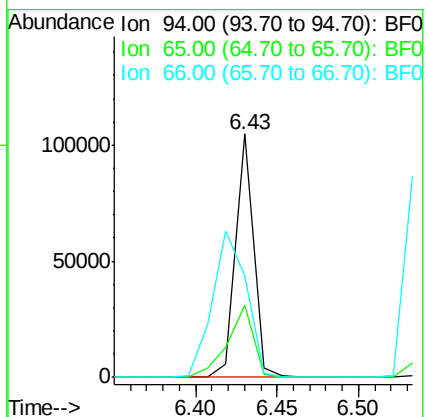
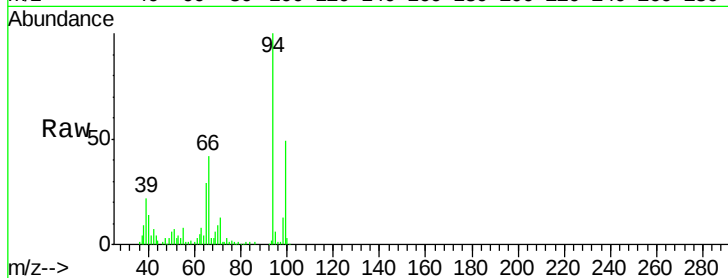
Tgt Ion: 94 Resp: 79441

Ion Ratio Lower Upper

94 100

65 29.4 16.9 56.9

66 41.8 30.6 70.6



#15

Benzyl Alcohol

Concen: 2.13 ng

RT: 6.93 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF091689.D

Acq: 16 Dec 2016 22:50

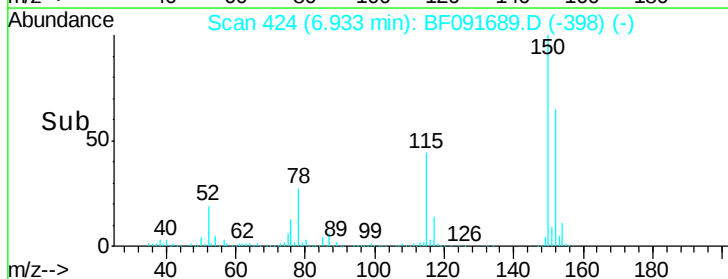
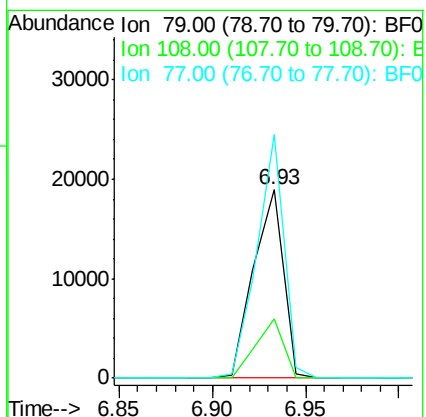
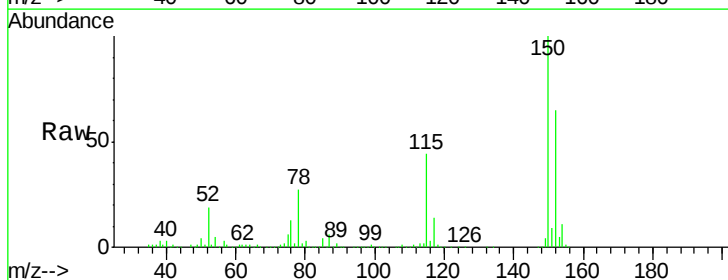
Tgt Ion: 79 Resp: 20948

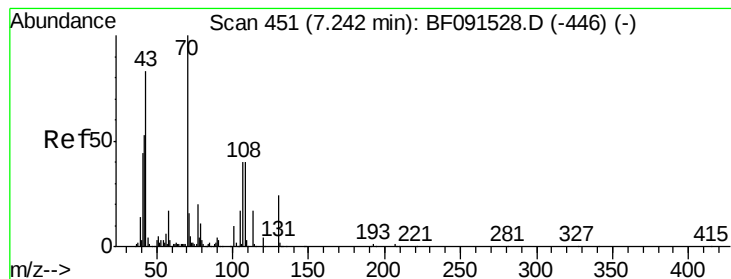
Ion Ratio Lower Upper

79 100

108 31.7 62.7 94.1#

77 129.5 51.7 77.5#





#19

n-Nitroso-di-n-propylamine

Concen: 21.82 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.13 min

Lab File: BF091689.D

Acq: 16 Dec 2016 22:50

Instrument :

BNA_F

ClientSampleId :

TP13-1.5FT

Tgt Ion: 70 Resp: 170045

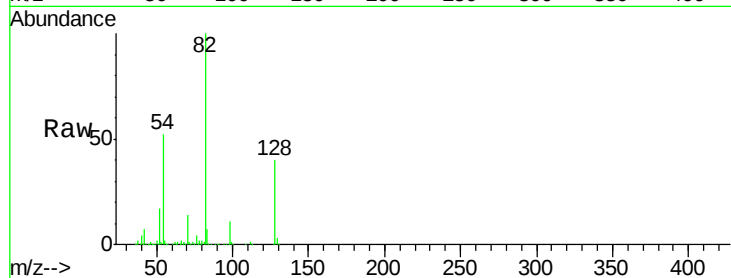
Ion Ratio Lower Upper

70 100

42 47.9 64.8 97.2#

101 0.0 6.2 9.4#

130 1.9 11.7 17.5#

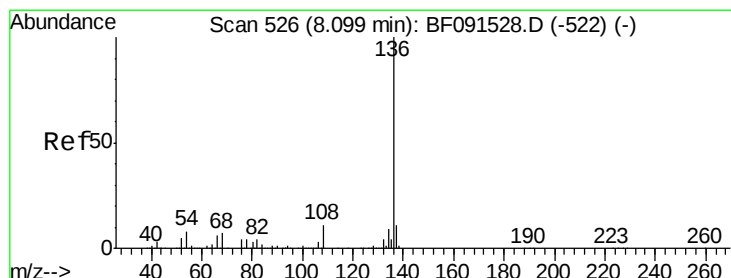
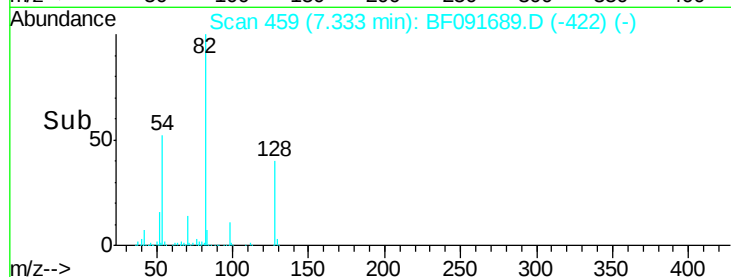
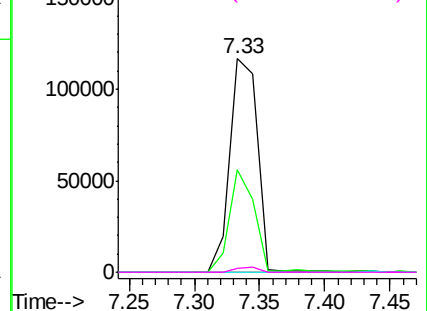


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF091689.D

Acq: 16 Dec 2016 22:50

Tgt Ion: 136 Resp: 1014885

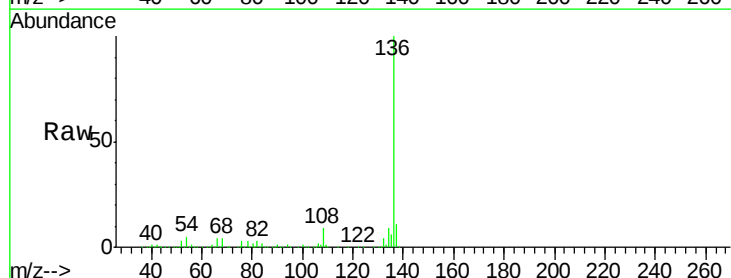
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.2 9.1 13.7#

68 4.2 5.9 8.9#

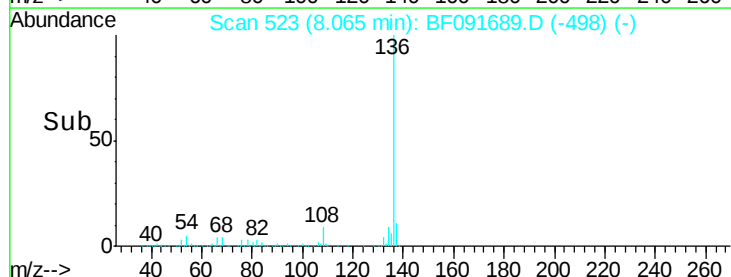
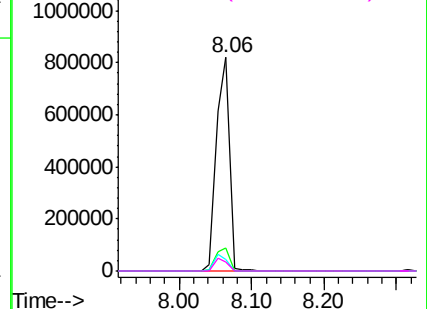


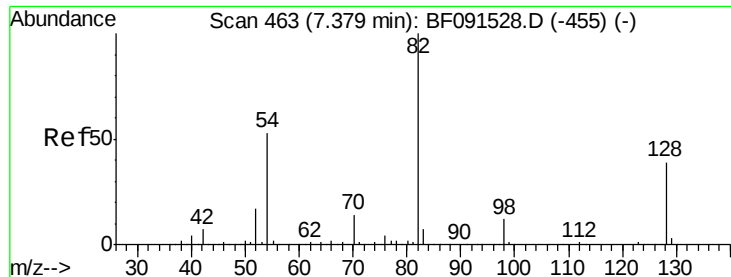
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

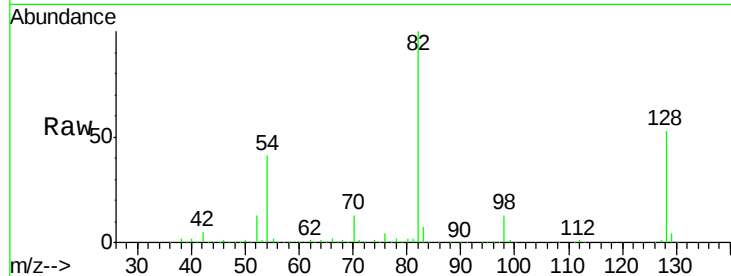




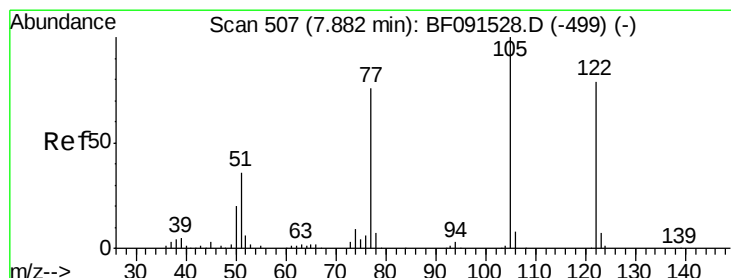
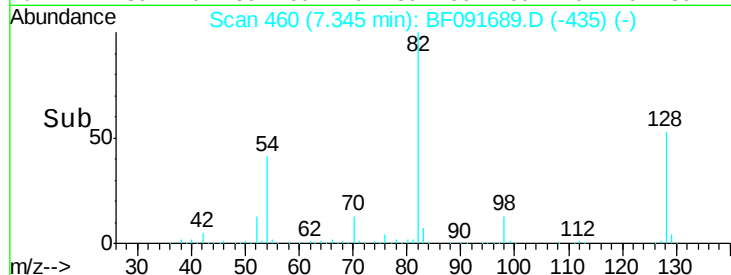
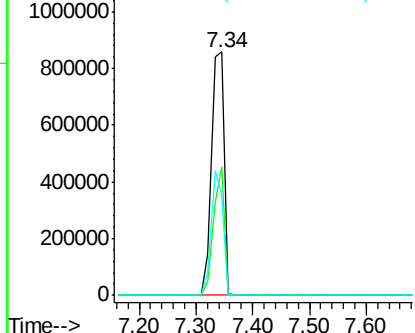
#23
 Nitrobenzene-d5
 Concen: 70.52 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF091689.D
 Acq: 16 Dec 2016 22:50

Instrument :
 BNA_F
 ClientSampleId :
 TP13-1.5FT

Tgt Ion: 82 Resp: 1282231
 Ion Ratio Lower Upper
 82 100
 128 52.7 31.8 47.6#
 54 41.4 49.1 73.7#

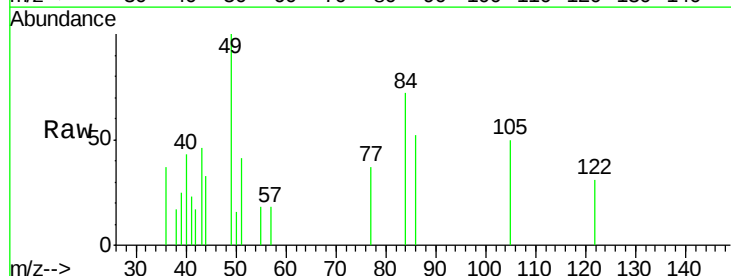


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

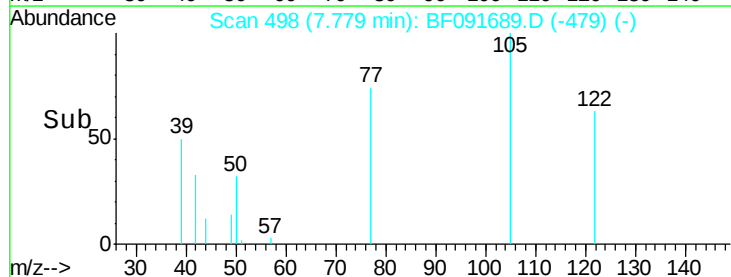
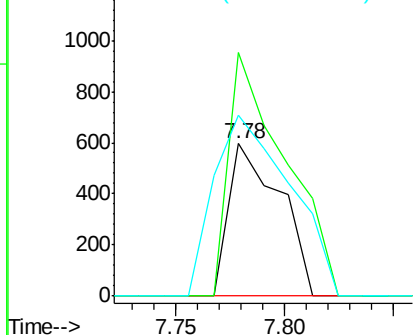


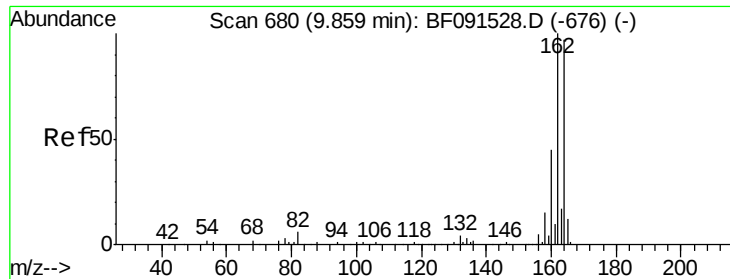
#32
 Benzoic acid
 Concen: 4.98 ng
 RT: 7.78 min Scan# 498
 Delta R.T. -0.08 min
 Lab File: BF091689.D
 Acq: 16 Dec 2016 22:50

Tgt Ion: 122 Resp: 977
 Ion Ratio Lower Upper
 122 100
 105 159.6 113.0 153.0#
 77 118.4 82.0 122.0



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 105.00 (104.70 to 105.70): E
 Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF091689.D

Acq: 16 Dec 2016 22:50

Instrument :

BNA_F

ClientSampleId :

TP13-1.5FT

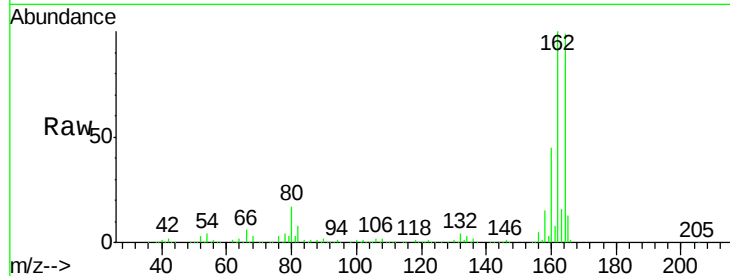
Tgt Ion:164 Resp: 497958

Ion Ratio Lower Upper

164 100

162 101.1 82.6 124.0

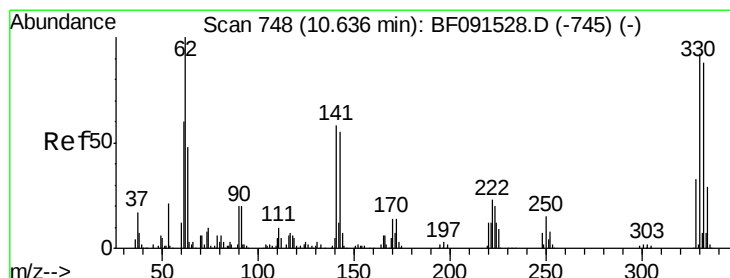
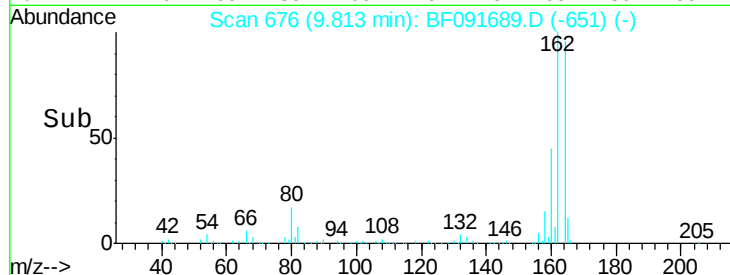
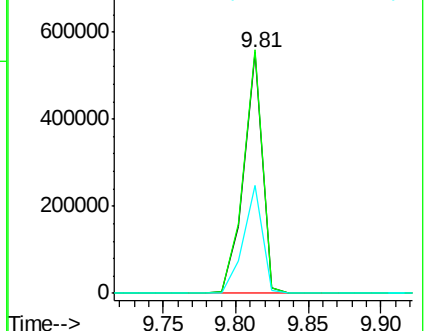
160 45.0 36.7 55.1



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: 87.47 ng

RT: 10.60 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF091689.D

Acq: 16 Dec 2016 22:50

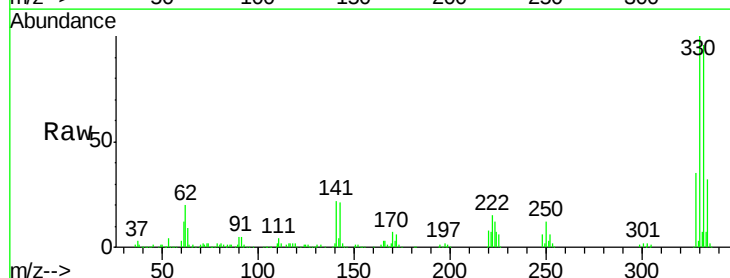
Tgt Ion:330 Resp: 361779

Ion Ratio Lower Upper

330 100

332 96.5 76.2 114.4

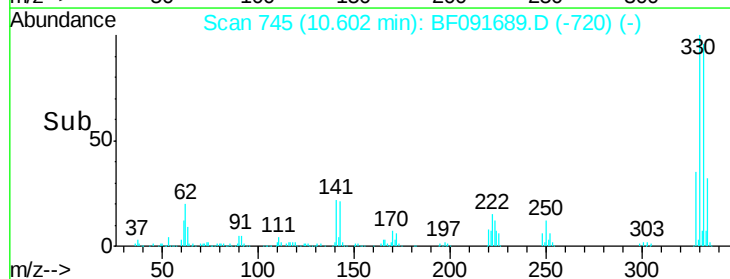
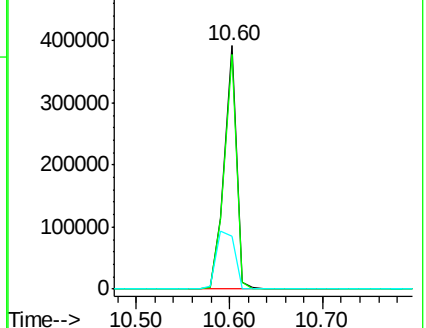
141 35.4 33.6 50.4

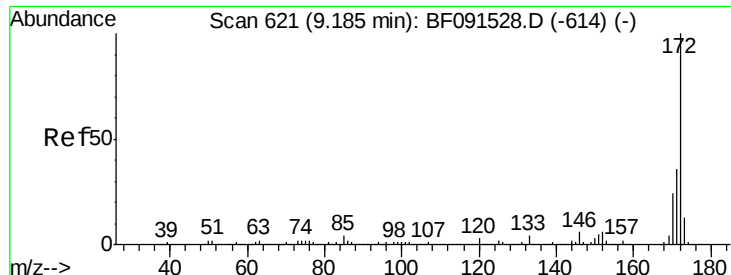


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

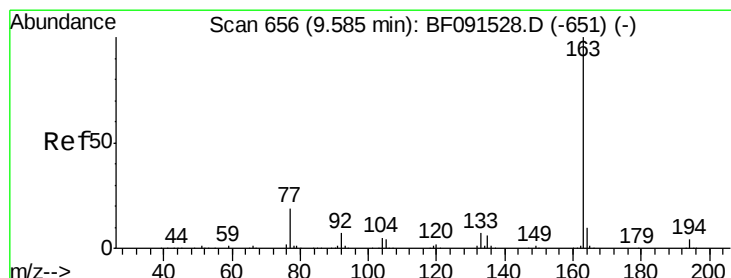
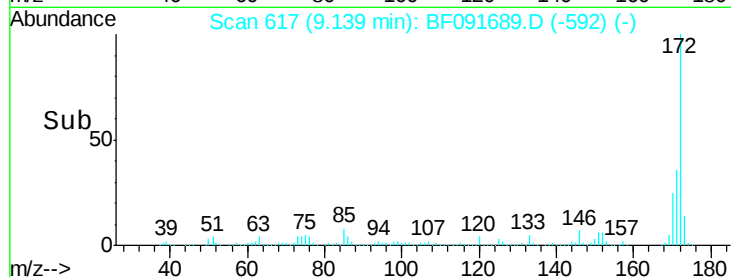
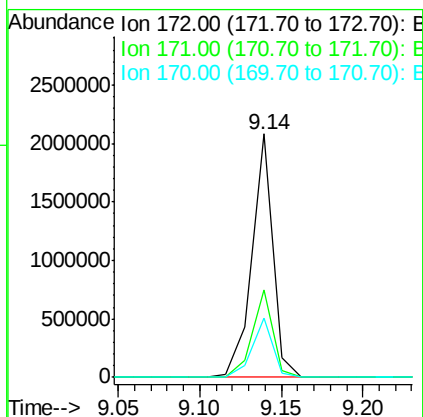
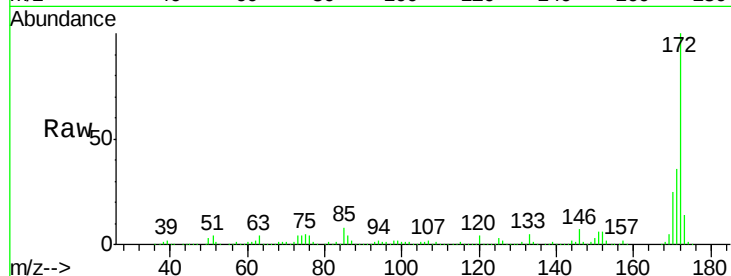




#44
2-Fluorobiphenyl
Concen: 64.53 ng
RT: 9.14 min Scan# 617
Delta R.T. -0.01 min
Lab File: BF091689.D
Acq: 16 Dec 2016 22:50

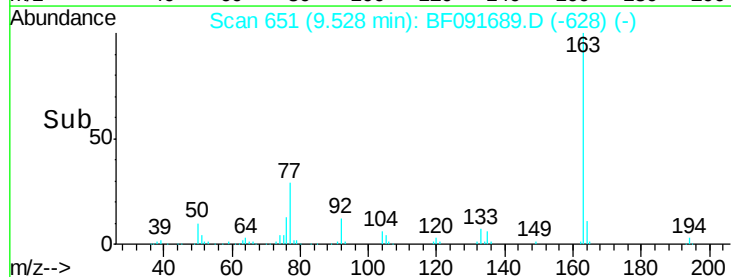
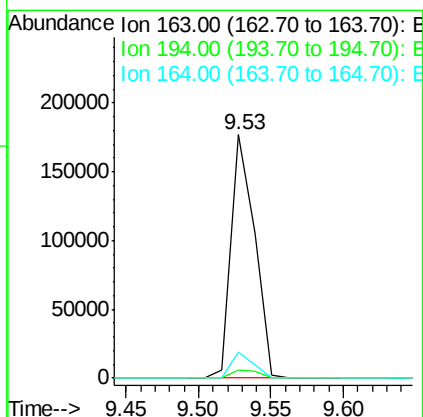
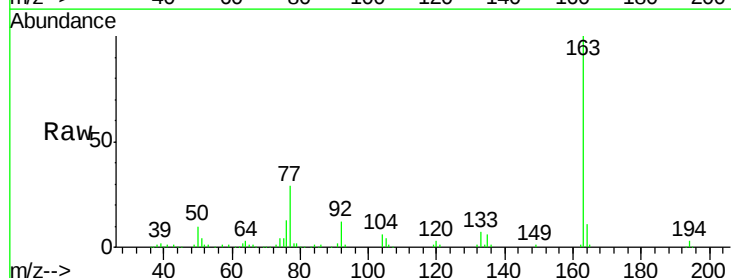
Instrument :
BNA_F
ClientSampled :
TP13-1.5FT

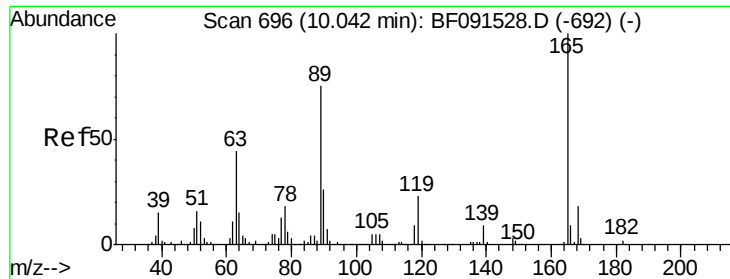
Tgt Ion:172 Resp: 1859774
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 24.6 19.7 29.5



#49
Dimethylphthalate
Concen: 6.33 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.03 min
Lab File: BF091689.D
Acq: 16 Dec 2016 22:50

Tgt Ion:163 Resp: 199657
Ion Ratio Lower Upper
163 100
194 3.1 3.0 4.4
164 10.9 7.8 11.8

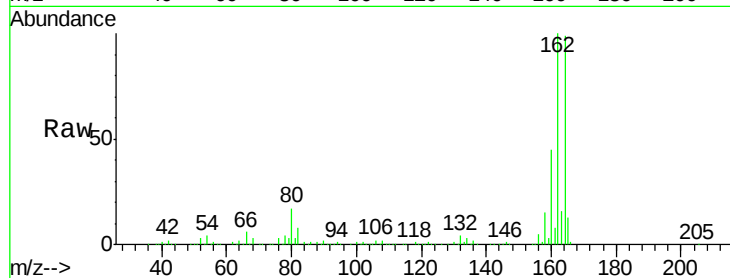




#56
2,4-Dinitrotoluene
Concen: 7.38 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.21 min
Lab File: BF091689.D
Acq: 16 Dec 2016 22:50

Instrument :
BNA_F
ClientSampleId :
TP13-1.5FT

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	29.0	43.4#
89	0.9	43.1	64.7#
182	0.0	1.9	2.9#

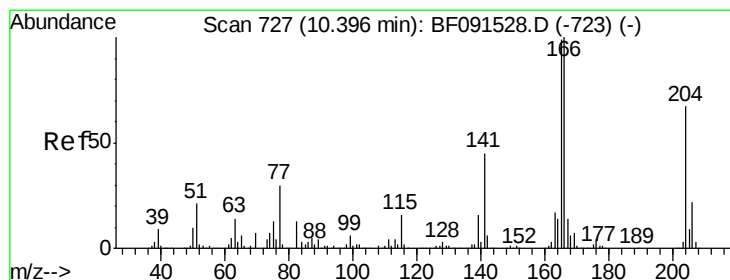
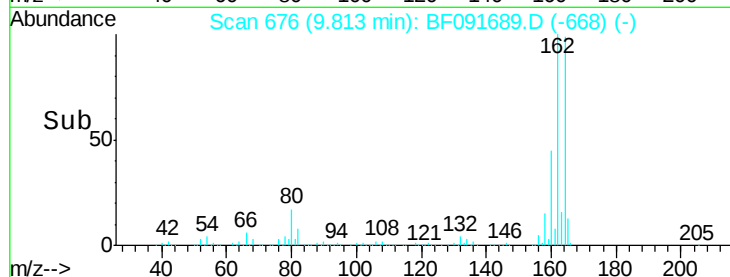
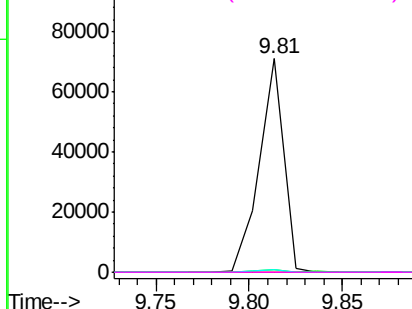


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

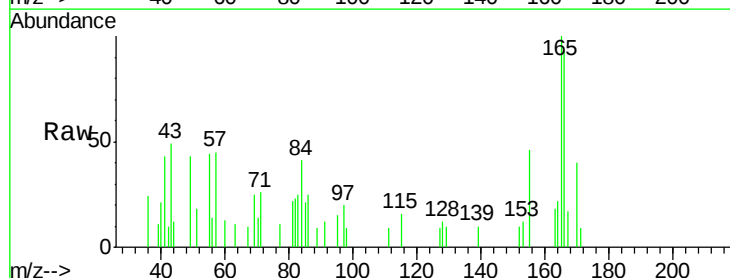
Ion 89.00 (88.70 to 89.70): BF0

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: BF091689.D
Acq: 16 Dec 2016 22:50

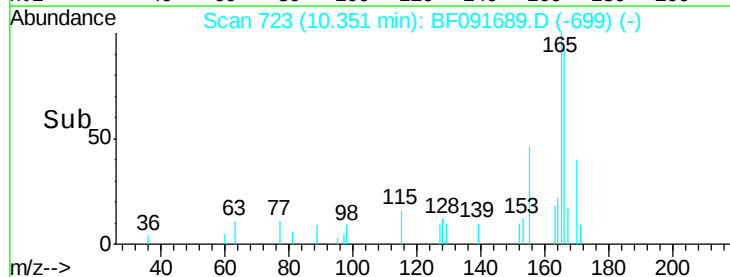
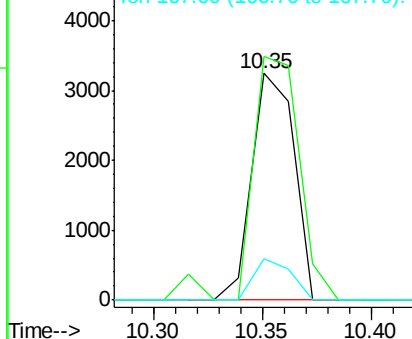
Tgt Ion	Ratio	Lower	Upper
166	100		
165	107.4	80.0	120.0
167	18.1	10.8	16.2#

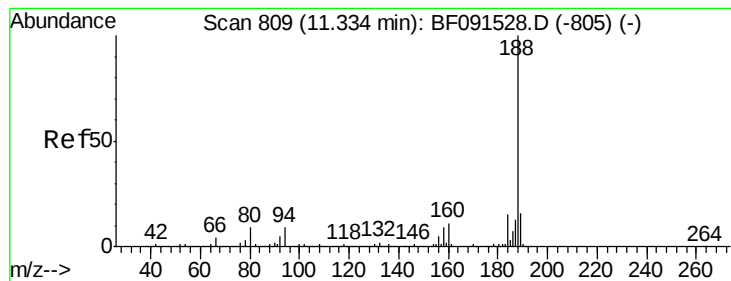


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.02 min

Lab File: BF091689.D

Acq: 16 Dec 2016 22:50

Instrument :

BNA_F

ClientSampleId :

TP13-1.5FT

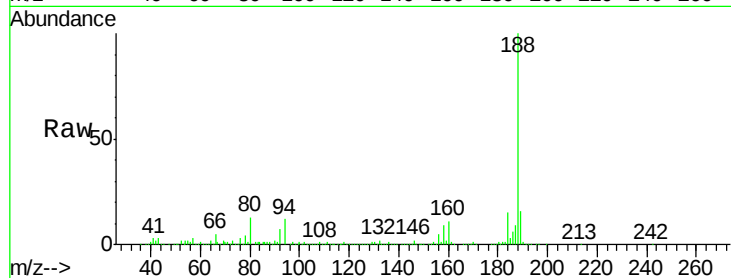
Tgt Ion:188 Resp: 640881

Ion Ratio Lower Upper

188 100

94 12.4 9.2 13.8

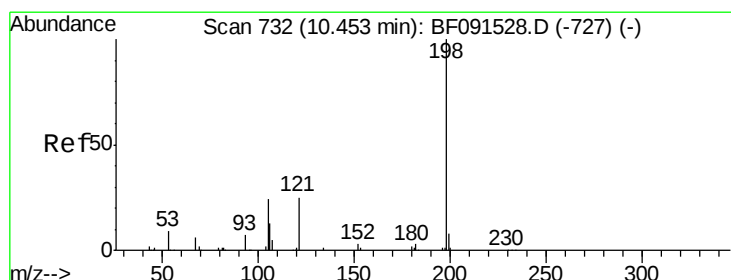
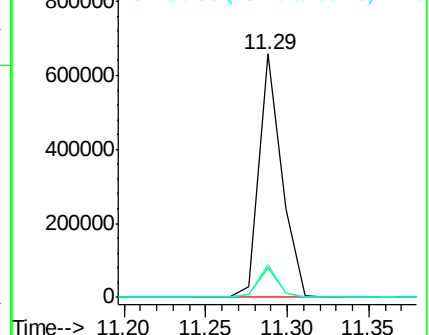
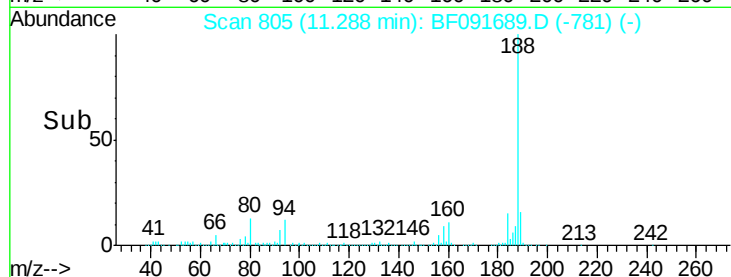
80 13.4 10.5 15.7



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



#64

4,6-Dinitro-2-methylphenol

Concen: 3.15 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.17 min

Lab File: BF091689.D

Acq: 16 Dec 2016 22:50

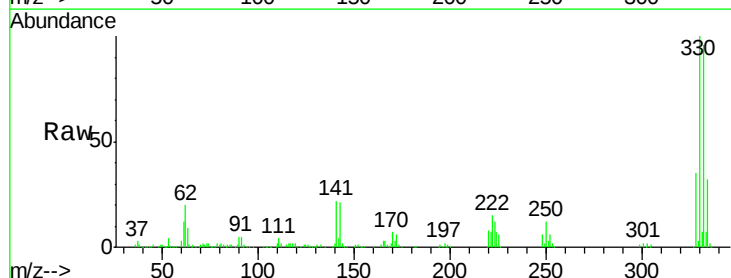
Tgt Ion:198 Resp: 832

Ion Ratio Lower Upper

198 100

51 145.6 77.1 117.1#

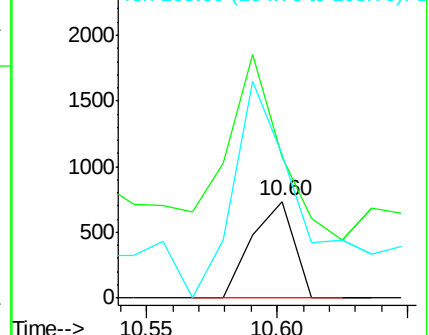
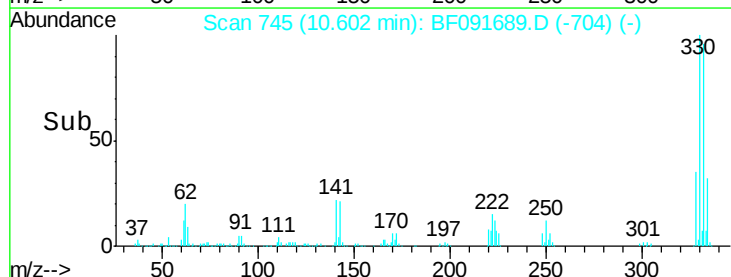
105 148.4 44.8 84.8#

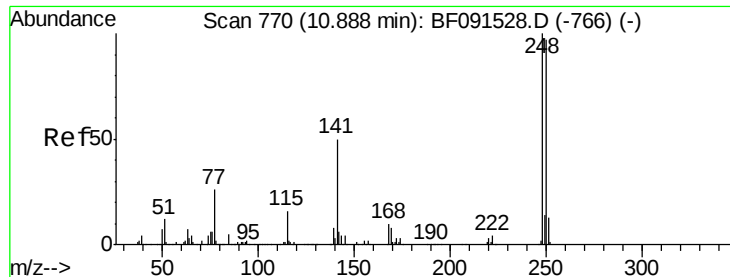


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

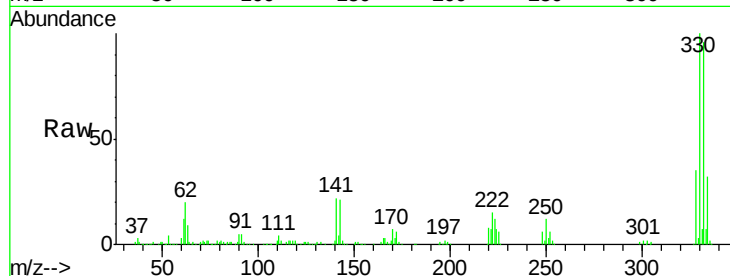




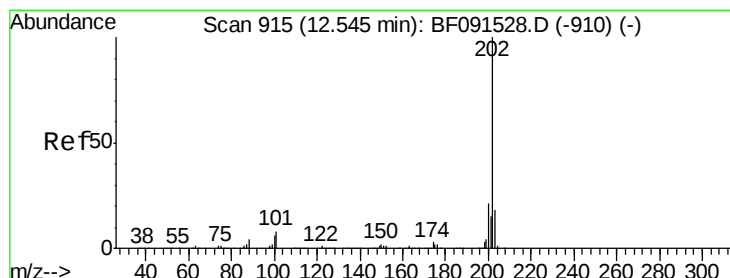
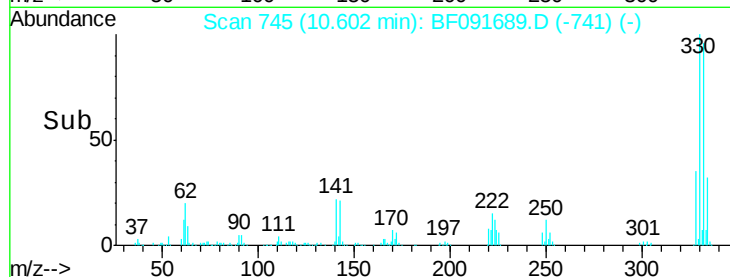
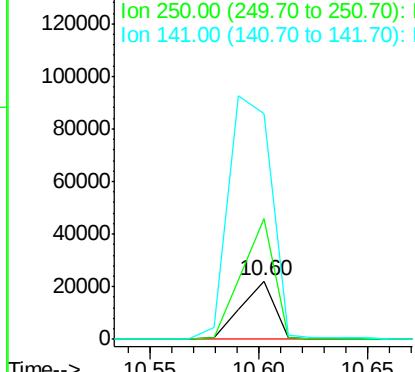
#66
4-Bromophenyl-phenylether
Concen: 3.57 ng
RT: 10.60 min Scan# 745
Delta R.T. -0.25 min
Lab File: BF091689.D
Acq: 16 Dec 2016 22:50

Instrument :
BNA_F
ClientSampleId :
TP13-1.5FT

Tgt Ion:248 Resp: 23425
Ion Ratio Lower Upper
248 100
250 208.3 78.2 117.4#
141 388.3 71.9 107.9#

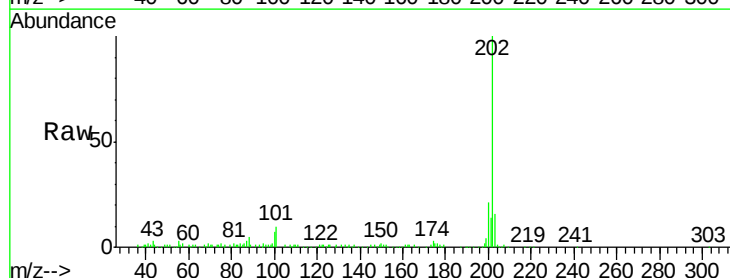


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

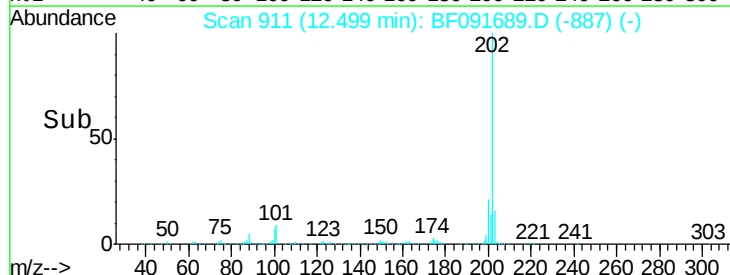
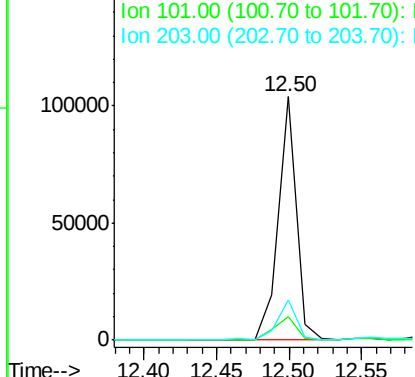


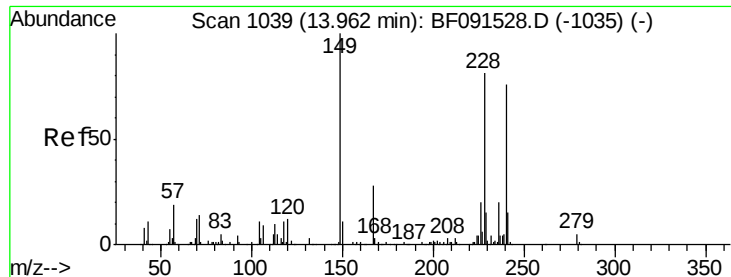
#74
Fluoranthene
Concen: 2.73 ng
RT: 12.50 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF091689.D
Acq: 16 Dec 2016 22:50

Tgt Ion:202 Resp: 90571
Ion Ratio Lower Upper
202 100
101 9.7 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: BF091689.D

Acq: 16 Dec 2016 22:50

Instrument :

BNA_F

ClientSampleId :

TP13-1.5FT

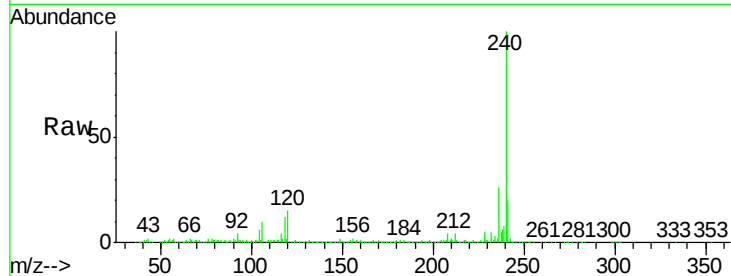
Tgt Ion:240 Resp: 375363

Ion Ratio Lower Upper

240 100

120 14.6 12.1 18.1

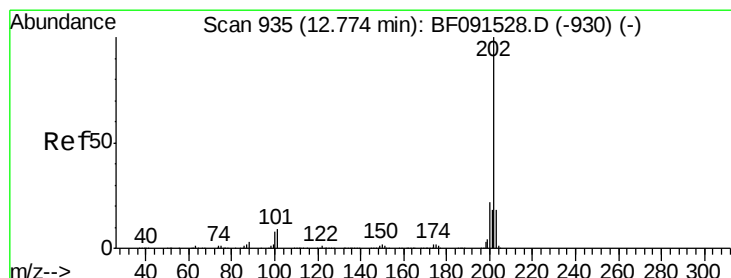
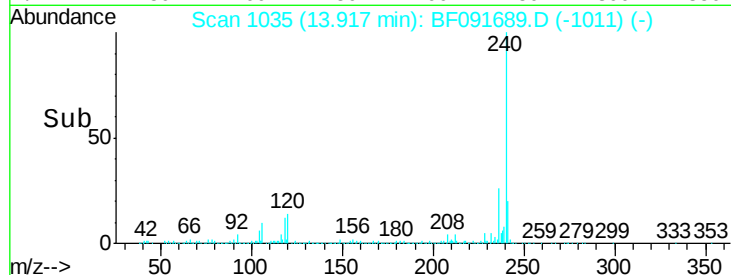
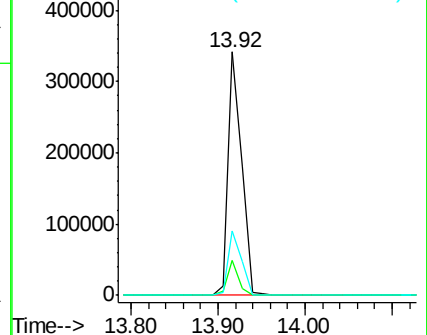
236 26.2 21.0 31.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.58 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF091689.D

Acq: 16 Dec 2016 22:50

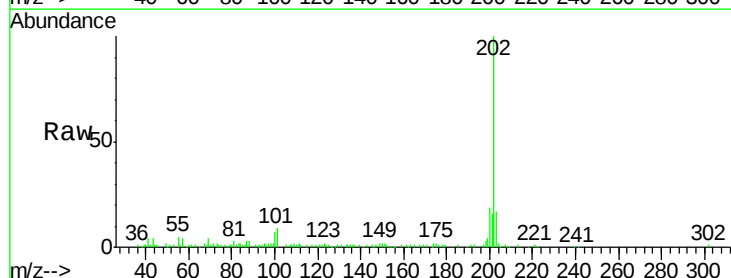
Tgt Ion:202 Resp: 76833

Ion Ratio Lower Upper

202 100

200 19.3 17.6 26.4

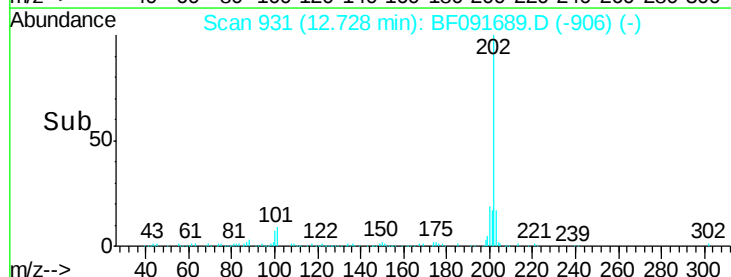
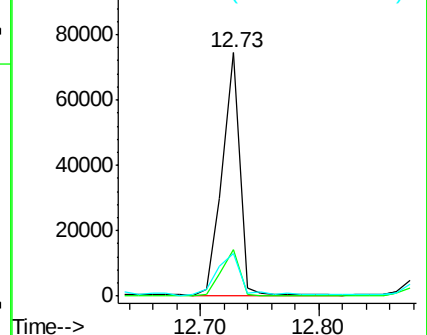
203 17.3 14.0 21.0

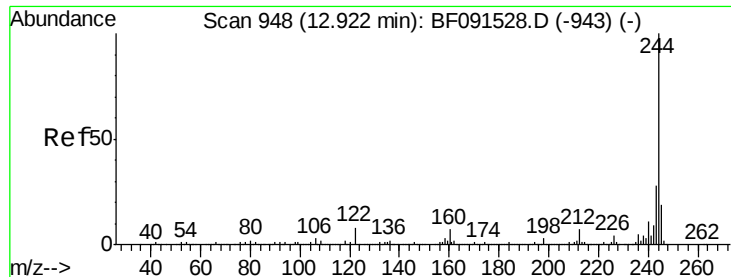


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

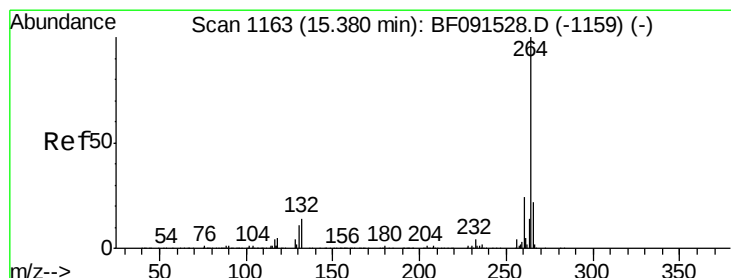
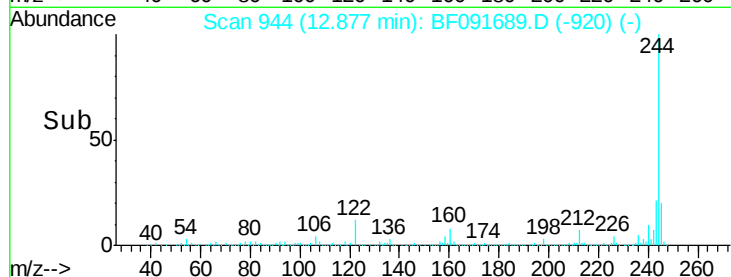
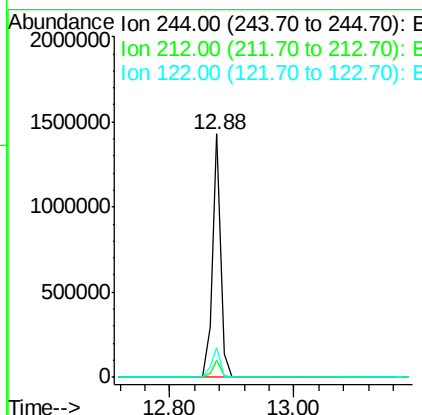
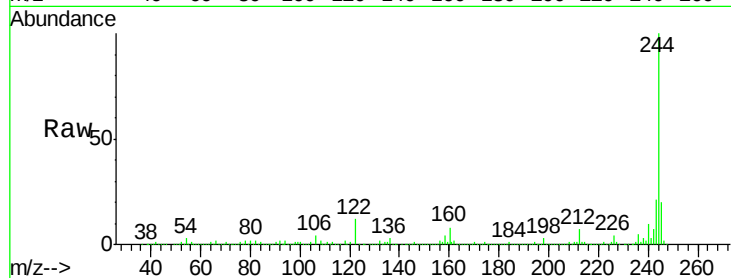




#78
 Terphenyl-d14
 Concen: 78.00 ng
 RT: 12.88 min Scan# 944
 Delta R.T. -0.02 min
 Lab File: BF091689.D
 Acq: 16 Dec 2016 22:50

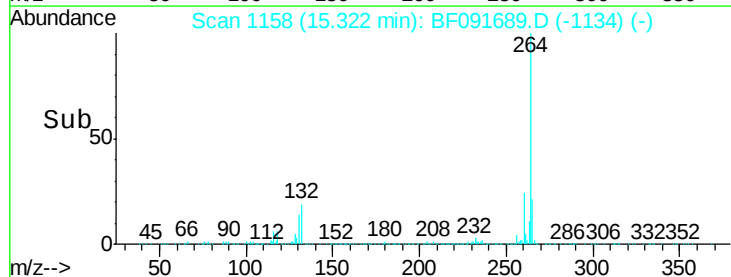
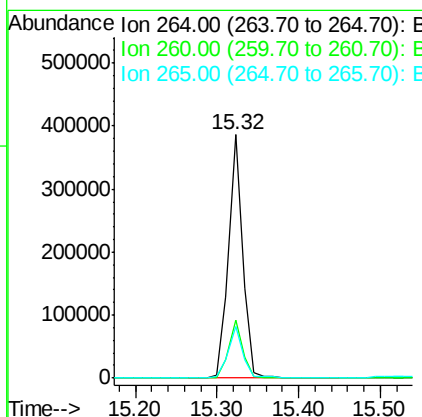
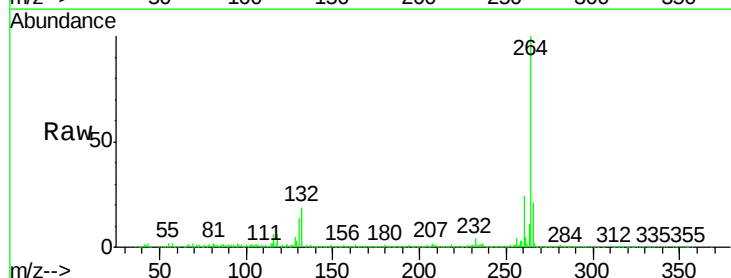
Instrument :
 BNA_F
 ClientSampleId :
 TP13-1.5FT

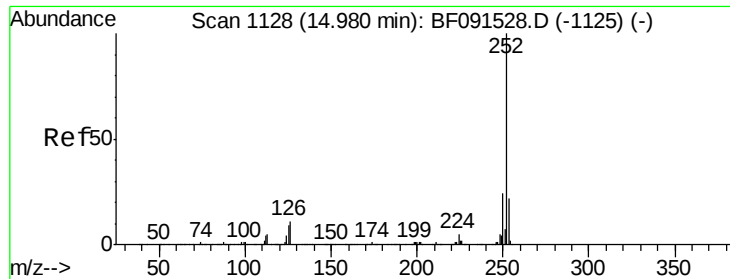
Tgt Ion:244 Resp: 1290252
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 12.0 9.5 14.3



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. -0.02 min
 Lab File: BF091689.D
 Acq: 16 Dec 2016 22:50

Tgt Ion:264 Resp: 466169
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.8 28.2
 265 21.3 17.0 25.6

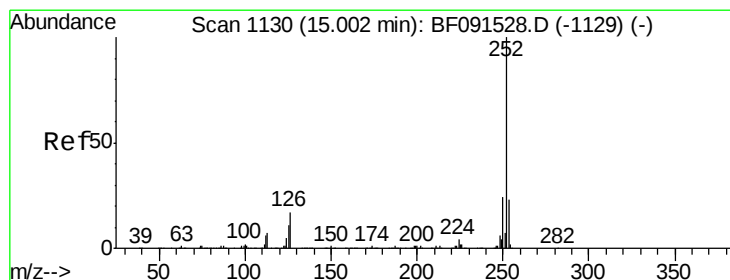
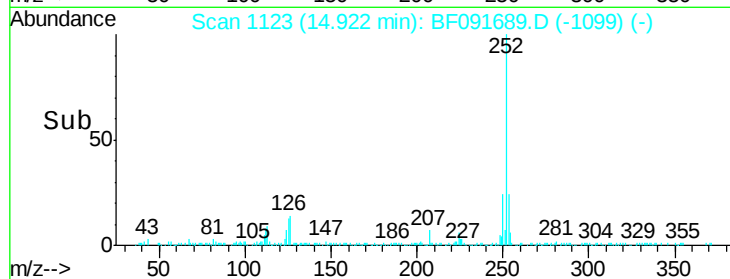
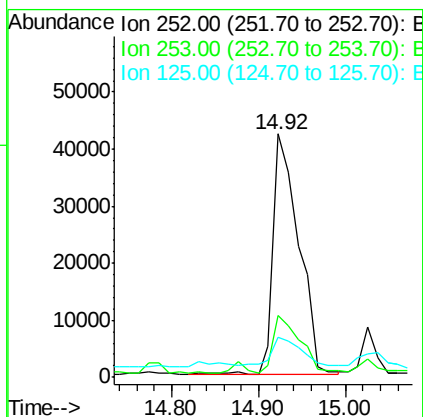
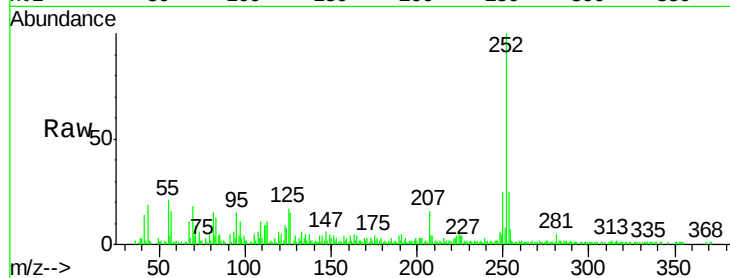




#87
Benzo(b)fluoranthene
Concen: 3.11 ng
RT: 14.92 min Scan# 1123
Delta R.T. -0.02 min
Lab File: BF091689.D
Acq: 16 Dec 2016 22:50

Instrument :
BNA_F
ClientSampleId :
TP13-1.5FT

Tgt Ion:252 Resp: 86468
Ion Ratio Lower Upper
252 100
253 25.3 18.2 27.2
125 16.6 8.6 13.0#



#88
Benzo(k)fluoranthene
Concen: 3.54 ng
RT: 14.92 min Scan# 1123
Delta R.T. -0.06 min
Lab File: BF091689.D
Acq: 16 Dec 2016 22:50

Tgt Ion:252 Resp: 86468
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.8
125 16.6 9.6 14.4#

