

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121716\
 Data File : BF091728.D
 Acq On : 18 Dec 2016 3:31
 Operator : UM/SJ
 Sample : H6099-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EB02-121316

Quant Time: Dec 19 00:13:37 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

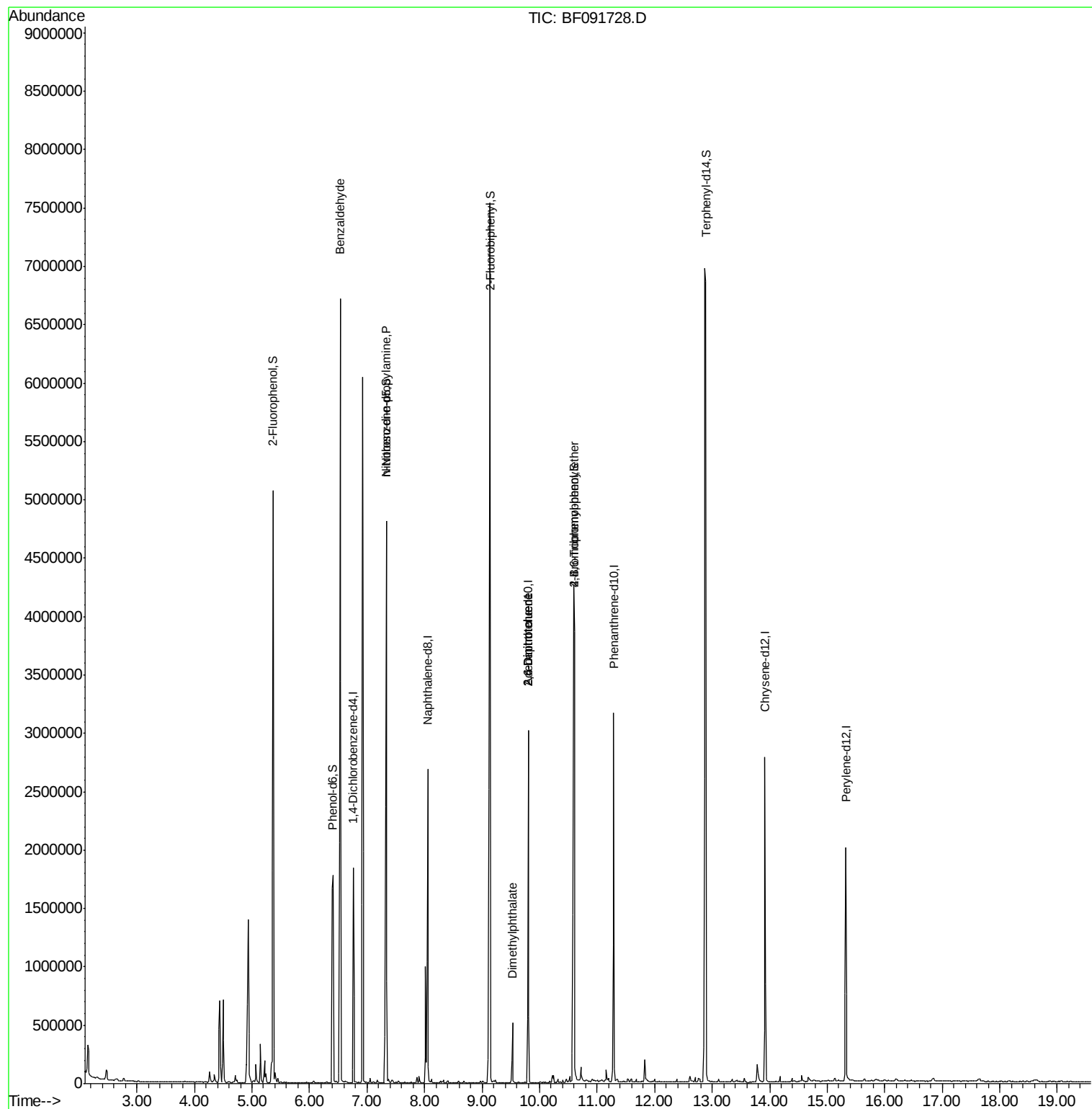
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	310486	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	1318770	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	680302	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	1246989	20.00	ng	0.00
75) Chrysene-d12	13.92	240	1014404	20.00	ng	-0.01
86) Perylene-d12	15.32	264	920312	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1421203	76.69	ng	0.00
7) Phenol-d6	6.41	99	915830	40.52	ng	-0.01
23) Nitrobenzene-d5	7.33	82	2041024	89.25	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	886633	153.70	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	3742034	110.51	ng	0.00
78) Terphenyl-d14	12.89	244	3763516	93.68	ng	0.01
Target Compounds						
9) Benzaldehyde	6.53	77	55925	2.36	ng	# 70
19) n-Nitroso-di-n-propylamine	7.33	70	275872	18.35	ng	# 77
49) Dimethylphthalate	9.53	163	239479	5.39	ng	100
50) 2,6-Dinitrotoluene	9.80	165	87598	8.99	ng	# 31
56) 2,4-Dinitrotoluene	9.80	165	87603	7.20	ng	# 20
66) 4-Bromophenyl-phenylether	10.60	248	56882	4.35	ng	# 1

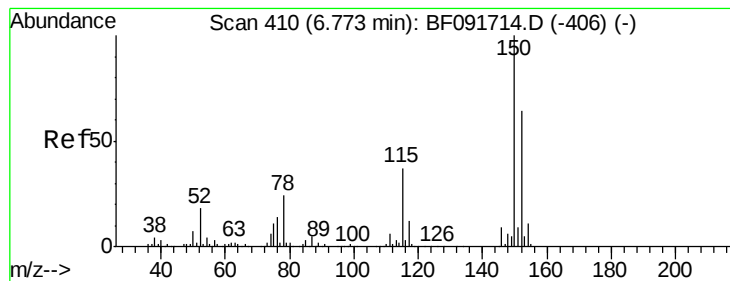
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091728.D

Acq: 18 Dec 2016 3:31

Instrument :

BNA_F

ClientSampleId :

EB02-121316

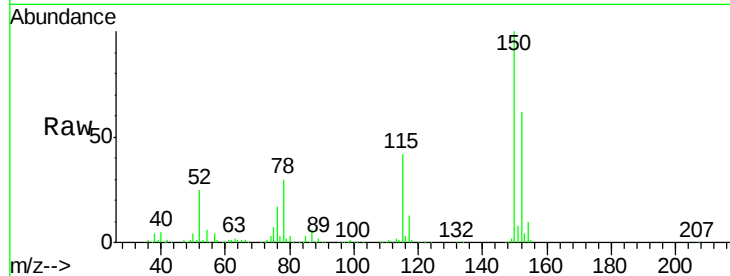
Tgt Ion:152 Resp: 310486

Ion Ratio Lower Upper

152 100

150 160.7 124.9 187.3

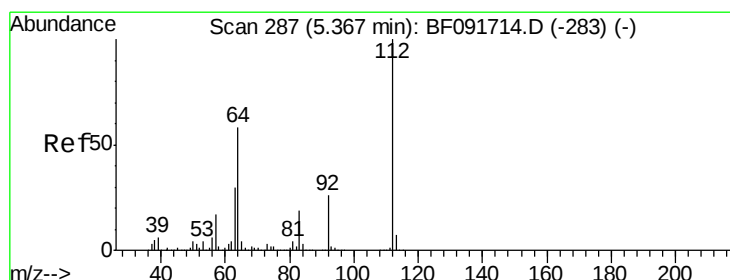
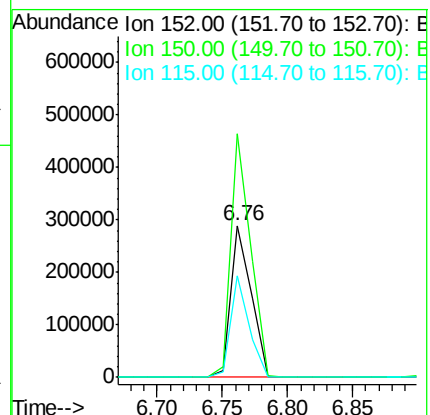
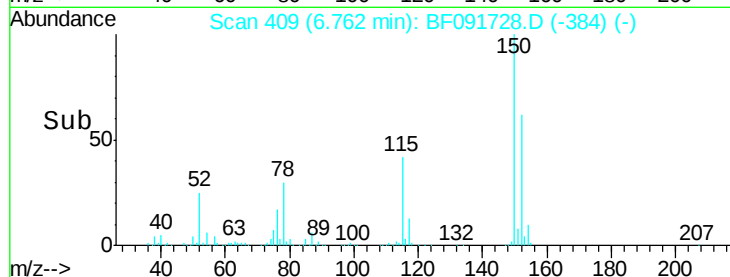
115 67.2 46.0 69.0



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: 76.69 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF091728.D

Acq: 18 Dec 2016 3:31

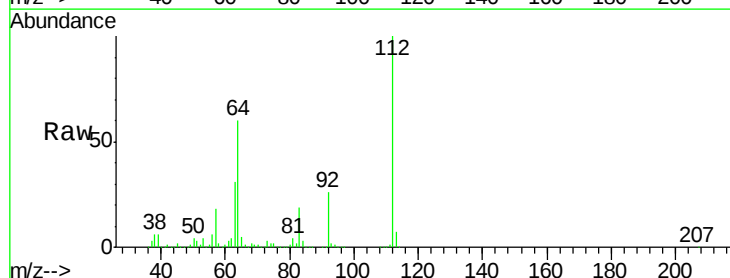
Tgt Ion:112 Resp: 1421203

Ion Ratio Lower Upper

112 100

64 59.8 46.1 69.1

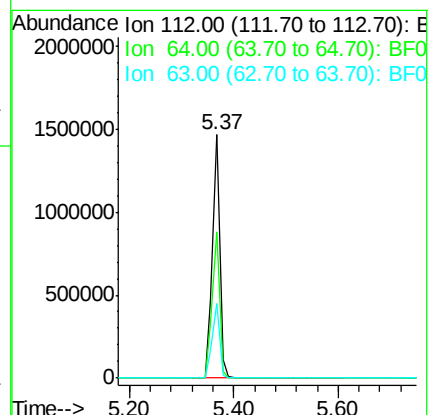
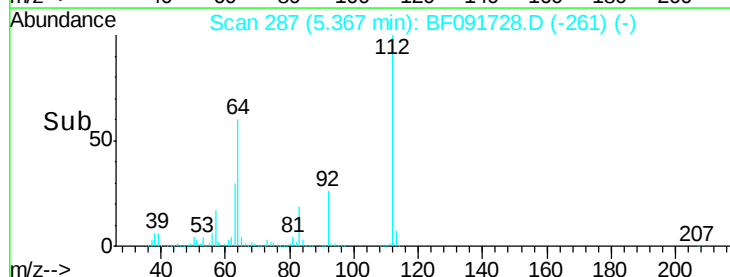
63 30.5 23.8 35.6

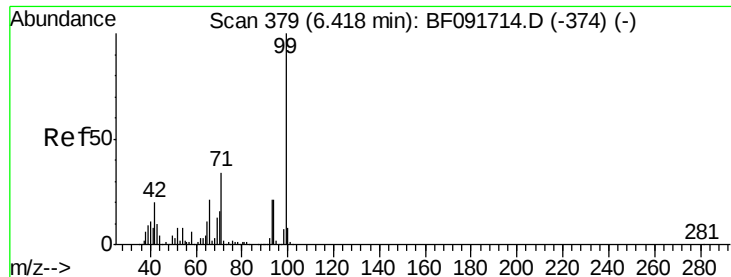


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.52 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF091728.D

Acq: 18 Dec 2016 3:31

Instrument :

BNA_F

ClientSampleId :

EB02-121316

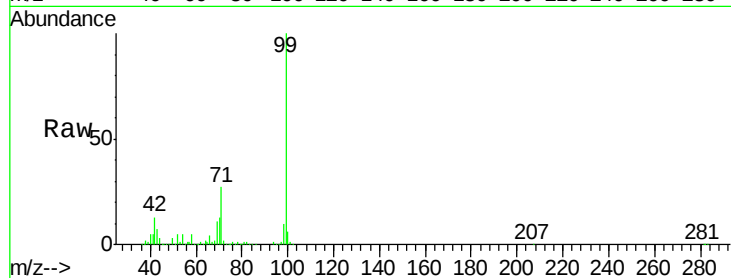
Tgt Ion: 99 Resp: 915830

Ion Ratio Lower Upper

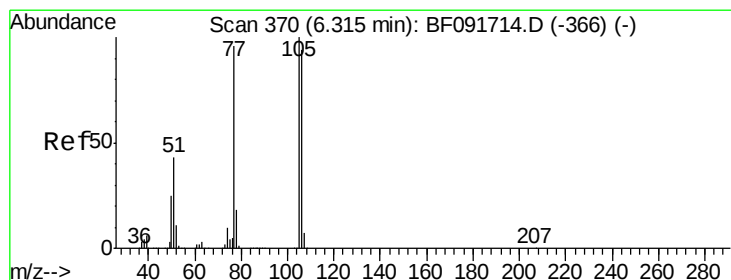
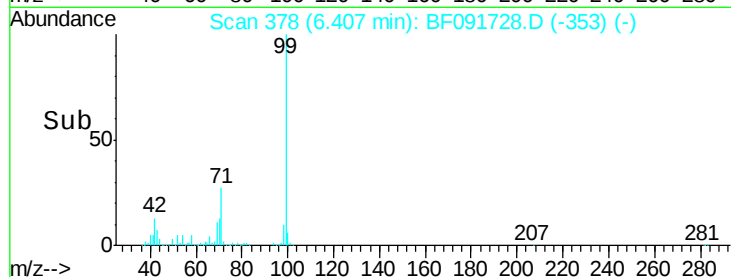
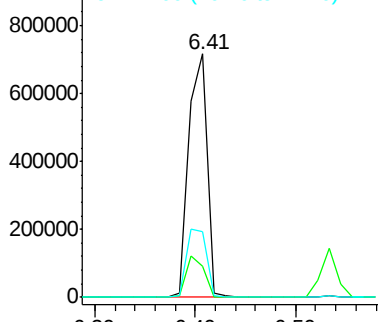
99 100

42 12.9 15.6 23.4#

71 26.9 27.5 41.3#



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: 2.36 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.22 min

Lab File: BF091728.D

Acq: 18 Dec 2016 3:31

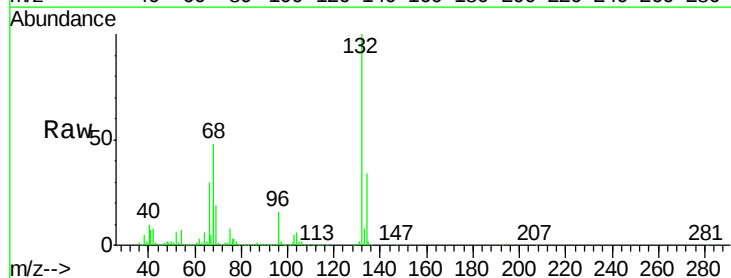
Tgt Ion: 77 Resp: 55925

Ion Ratio Lower Upper

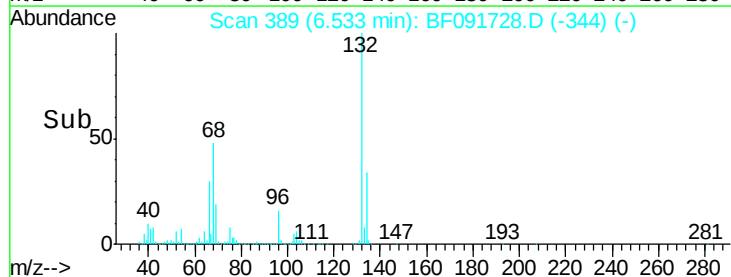
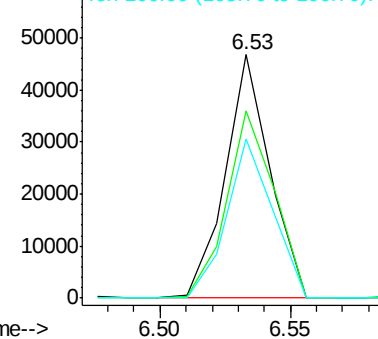
77 100

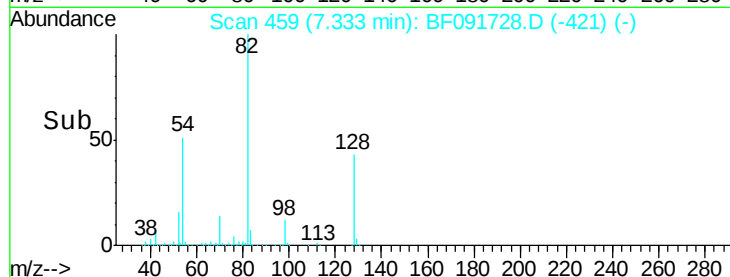
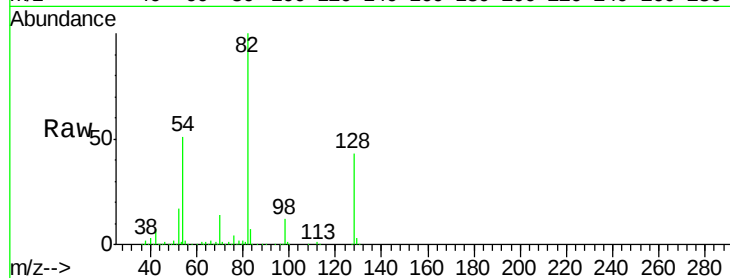
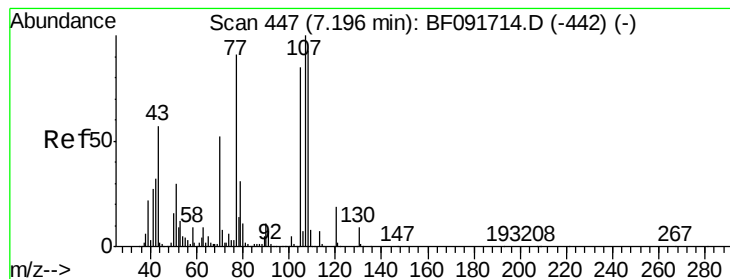
105 76.7 83.9 123.9#

106 65.2 77.6 117.6#



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





#19

n-Nitroso-di-n-propylamine

Concen: 18.35 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.14 min

Lab File: BF091728.D

Acq: 18 Dec 2016 3:31

Instrument :

BNA_F

ClientSampleId :

EB02-121316

Tgt Ion: 70 Resp: 275872

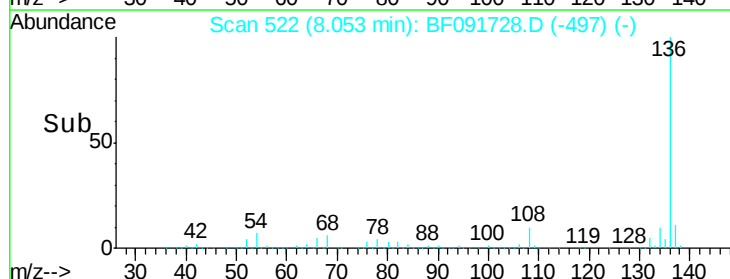
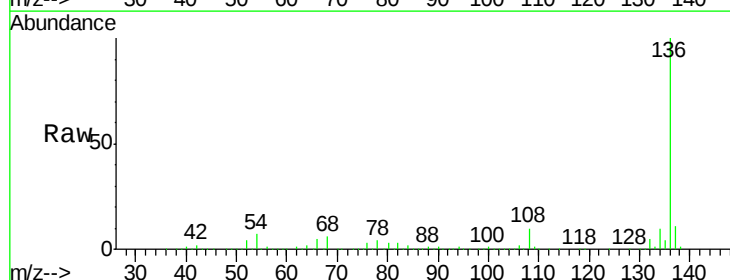
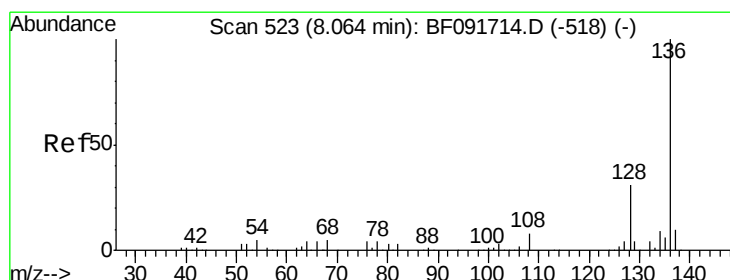
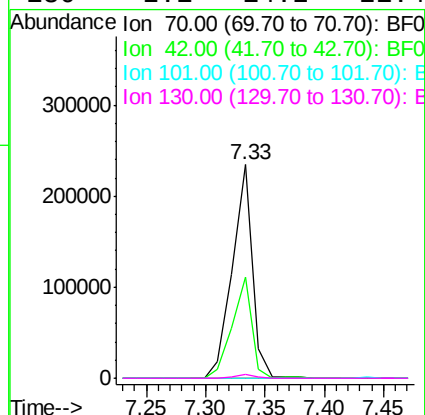
Ion Ratio Lower Upper

70 100

42 47.3 49.4 74.0#

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF091728.D

Acq: 18 Dec 2016 3:31

Tgt Ion: 136 Resp: 1318770

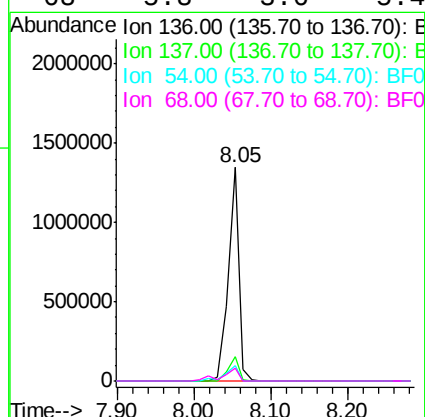
Ion Ratio Lower Upper

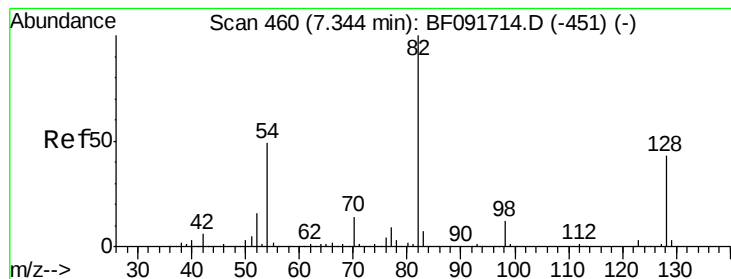
136 100

137 11.2 8.4 12.6

54 7.4 4.5 6.7#

68 5.8 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 89.25 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.01 min

Lab File: BF091728.D

Acq: 18 Dec 2016 3:31

Instrument :

BNA_F

ClientSampleId :

EB02-121316

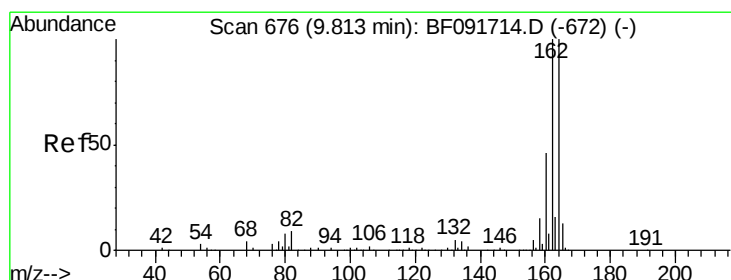
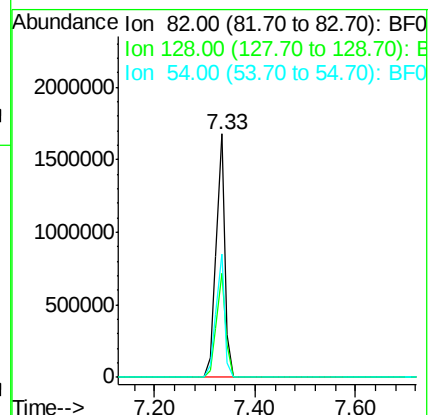
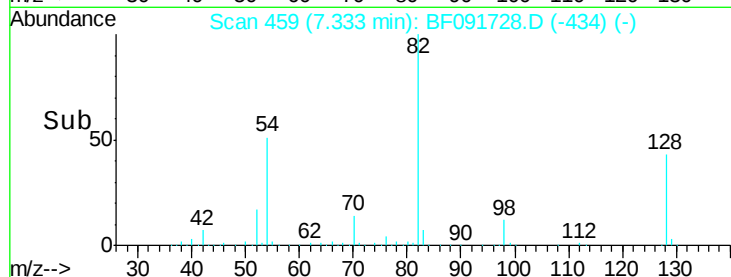
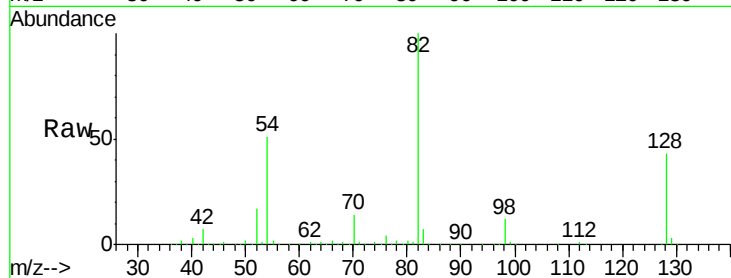
Tgt Ion: 82 Resp: 2041024

Ion Ratio Lower Upper

82 100

128 42.7 34.6 52.0

54 50.6 39.5 59.3



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF091728.D

Acq: 18 Dec 2016 3:31

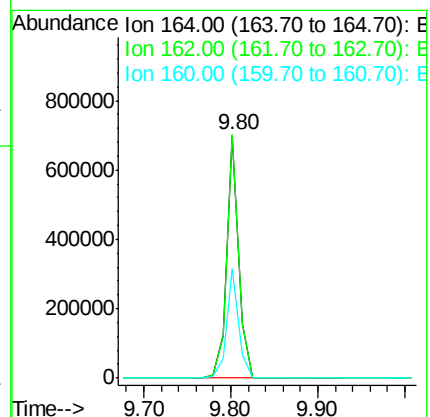
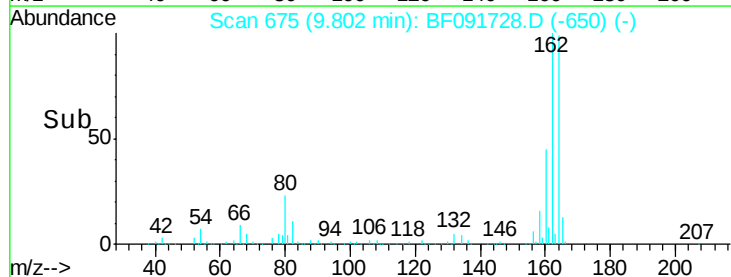
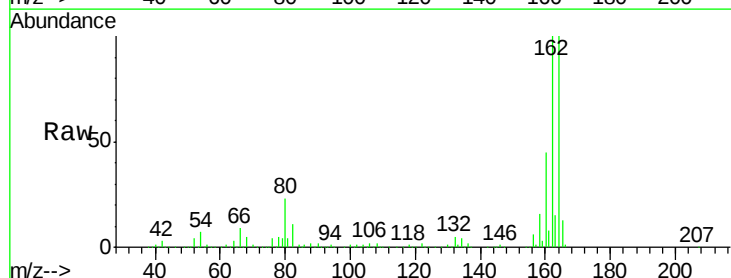
Tgt Ion: 164 Resp: 680302

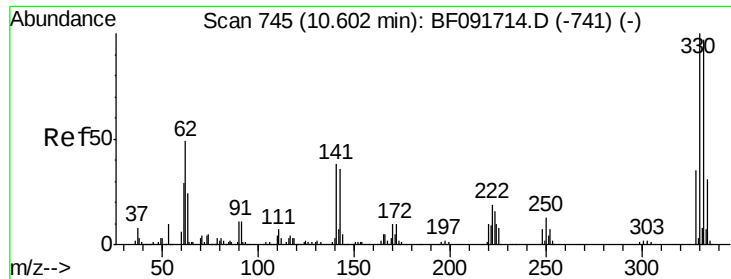
Ion Ratio Lower Upper

164 100

162 100.4 80.2 120.2

160 44.9 36.9 55.3

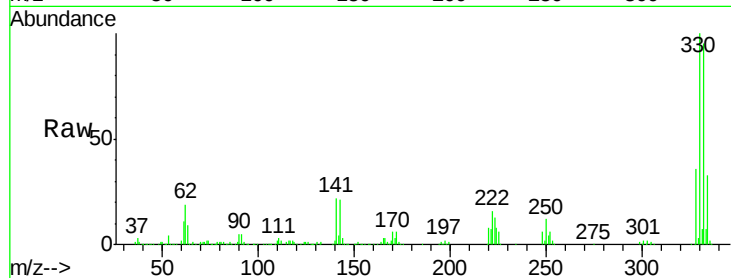




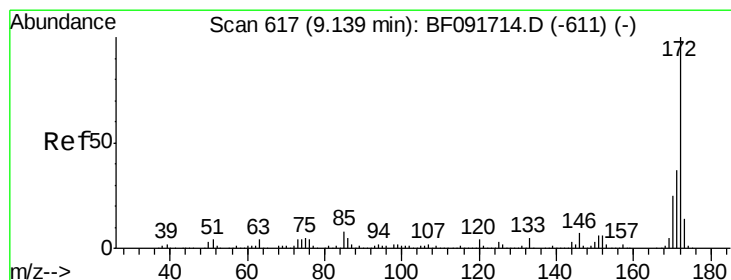
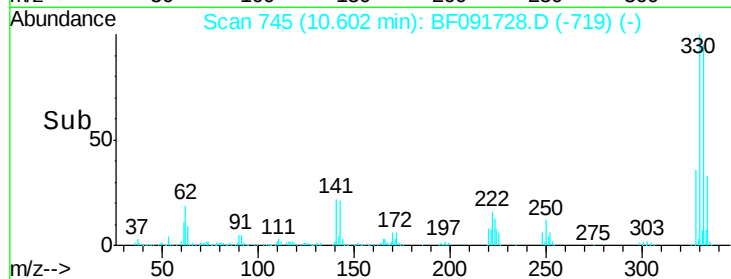
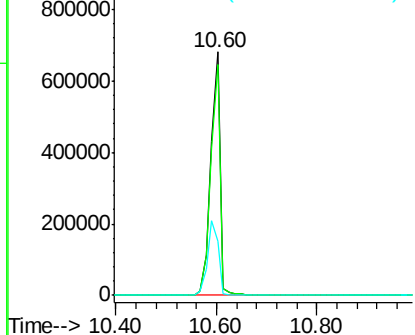
#41
 2,4,6-Tribromophenol
 Concen: 153.70 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF091728.D
 Acq: 18 Dec 2016 3:31

Instrument :
 BNA_F
 ClientSampleId :
 EB02-121316

Tgt Ion:330 Resp: 886633
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.4 116.2
 141 35.4 34.1 51.1

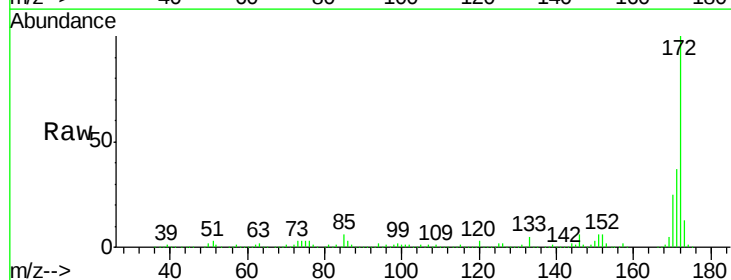


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

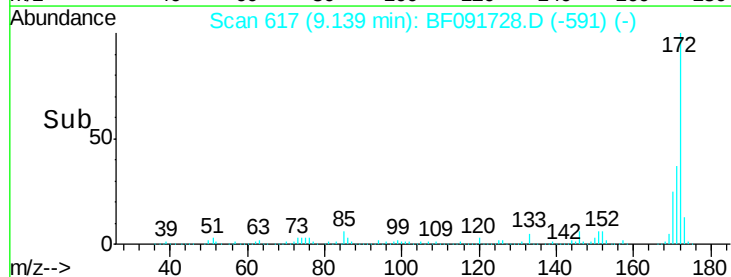
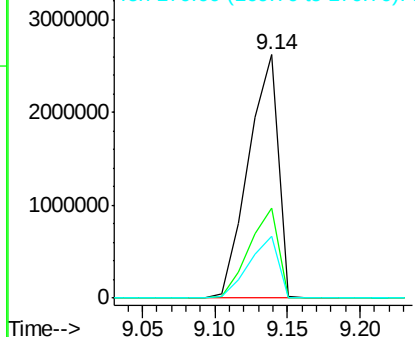


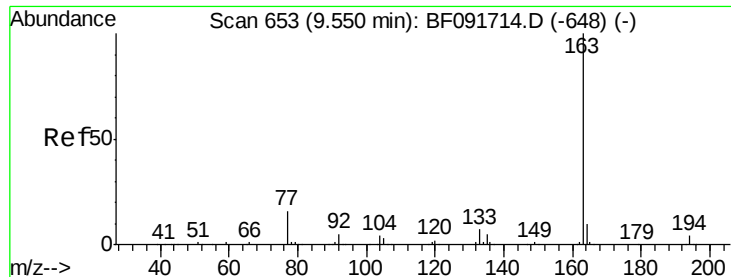
#44
 2-Fluorobiphenyl
 Concen: 110.51 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: BF091728.D
 Acq: 18 Dec 2016 3:31

Tgt Ion:172 Resp: 3742034
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.4 44.0
 170 25.2 20.2 30.4



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

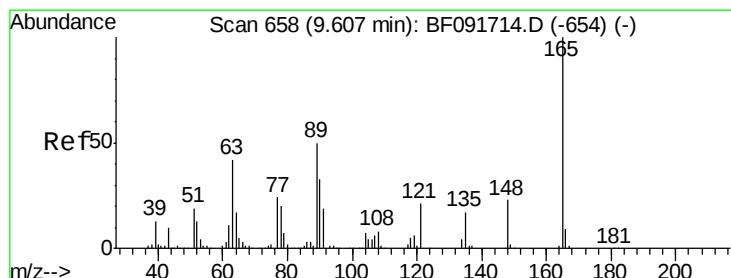
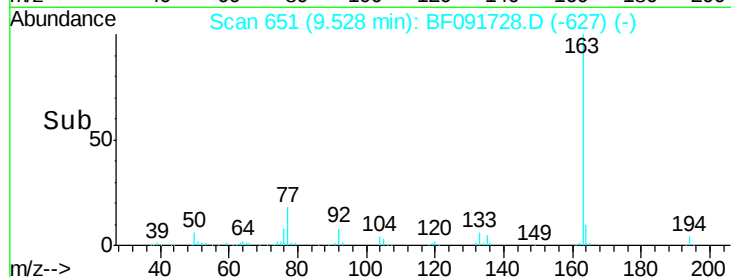
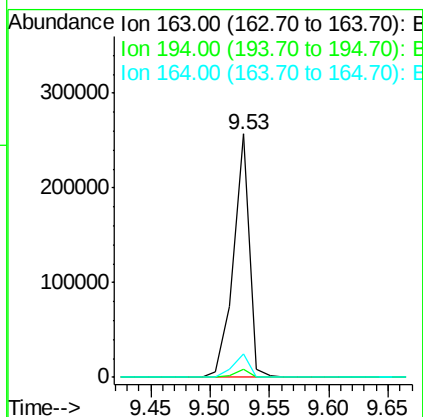
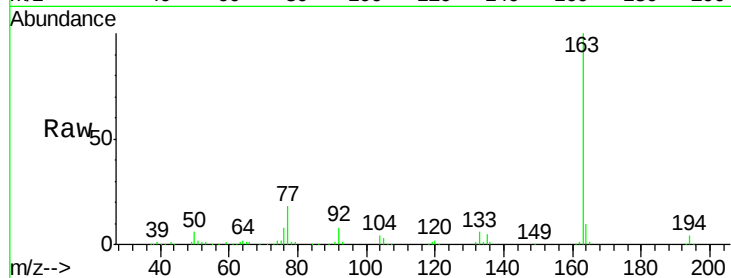




#49
Dimethylphthalate
Concen: 5.39 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.02 min
Lab File: BF091728.D
Acq: 18 Dec 2016 3:31

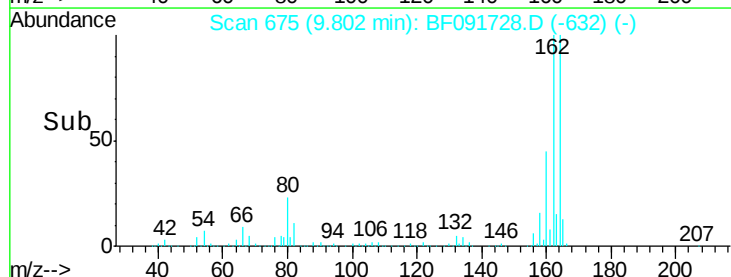
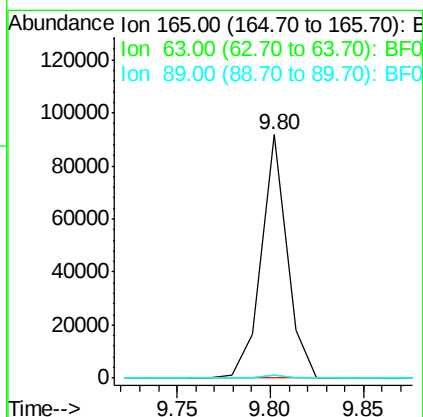
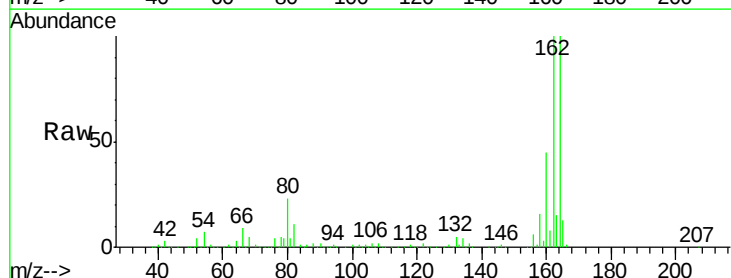
Instrument :
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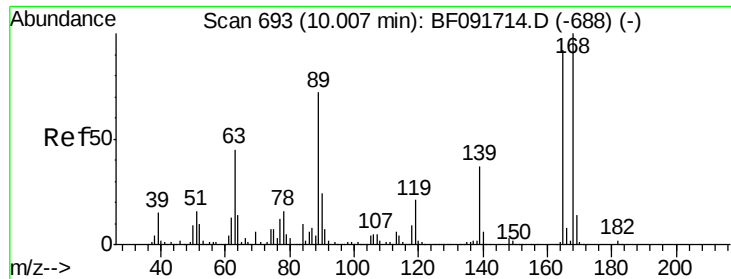
Tgt Ion:163 Resp: 239479
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 9.9 8.0 12.0



#50
2,6-Dinitrotoluene
Concen: 8.99 ng
RT: 9.80 min Scan# 675
Delta R.T. 0.19 min
Lab File: BF091728.D
Acq: 18 Dec 2016 3:31

Tgt Ion:165 Resp: 87598
Ion Ratio Lower Upper
165 100
63 1.1 36.2 54.4#
89 1.2 40.2 60.4#

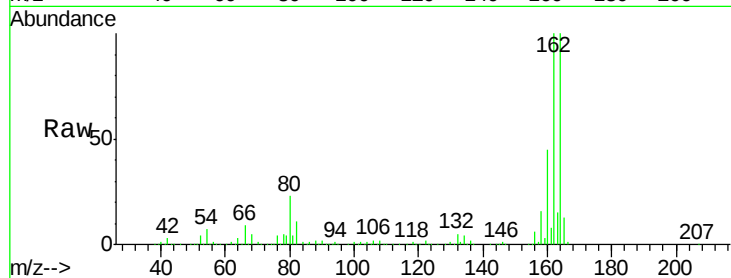




#56
 2,4-Dinitrotoluene
 Concen: 7.20 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.21 min
 Lab File: BF091728.D
 Acq: 18 Dec 2016 3:31

Instrument :
 BNA_F
 ClientSampleId :
 EB02-121316

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	40.2	60.4#
89	1.2	62.5	93.7#
182	0.0	1.8	2.8#

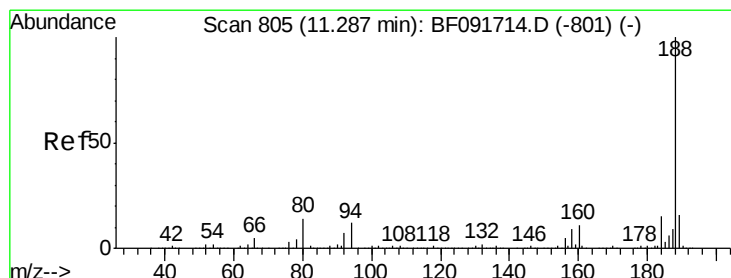
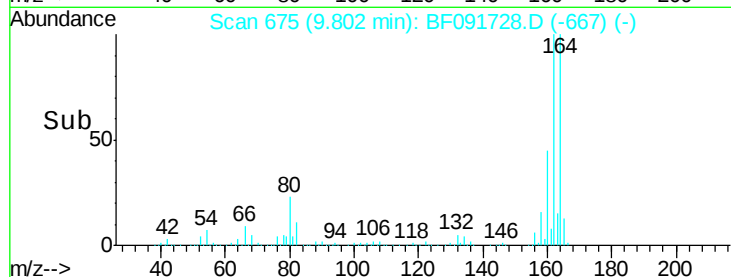
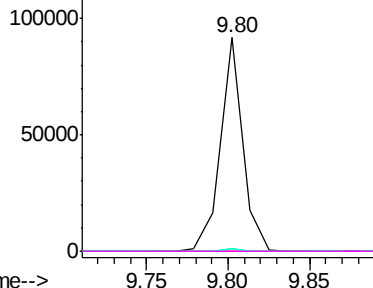


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

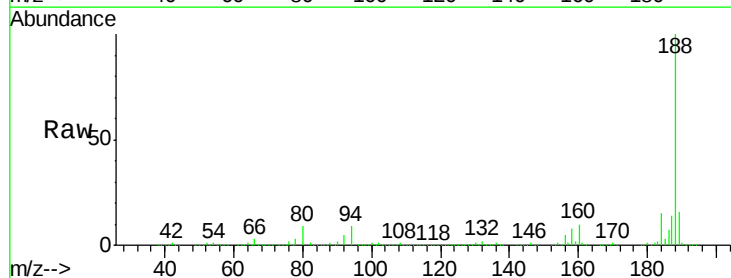
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF091728.D
 Acq: 18 Dec 2016 3:31

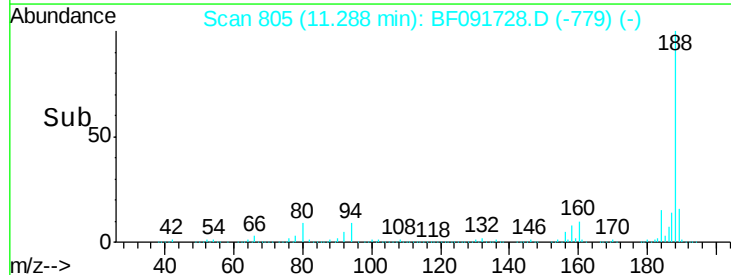
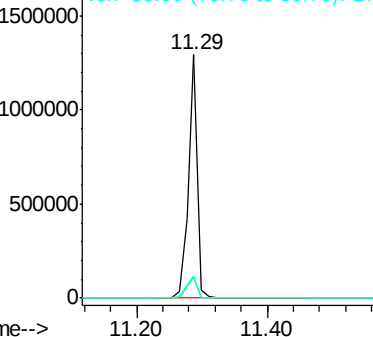
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	10.0	15.0#
80	9.1	11.2	16.8#

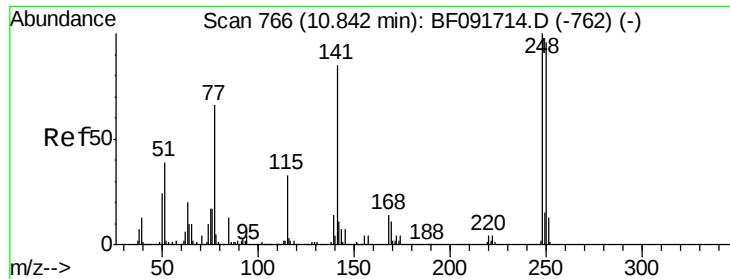


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

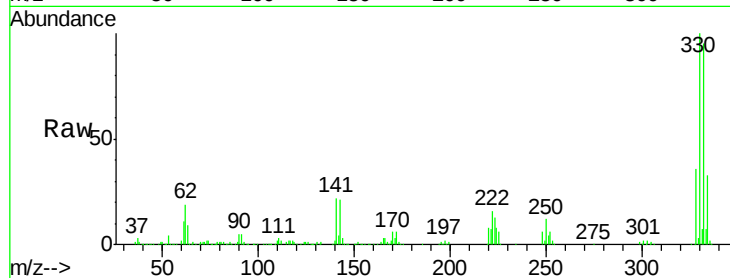




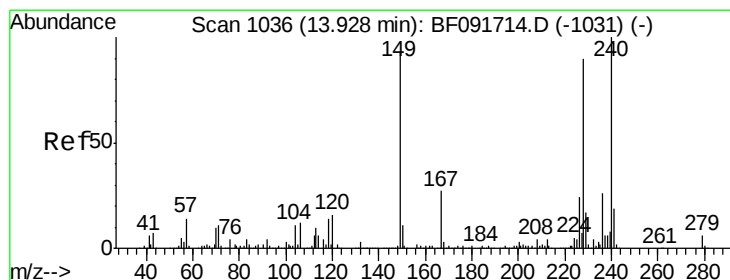
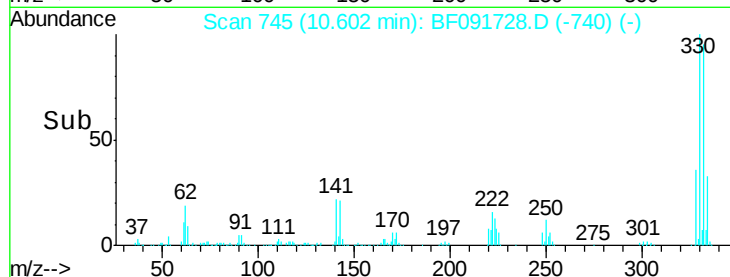
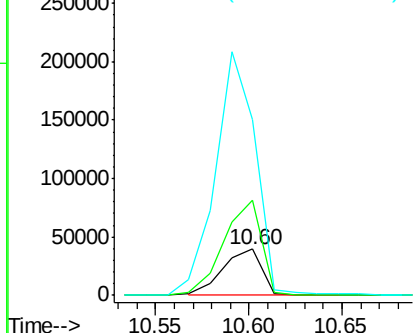
#66
4-Bromophenyl-phenylether
Concen: 4.35 ng
RT: 10.60 min Scan# 745
Delta R.T. -0.24 min
Lab File: BF091728.D
Acq: 18 Dec 2016 3:31

Instrument :
BNA_F
ClientSampleId :
EB02-121316

Tgt Ion:248 Resp: 56882
Ion Ratio Lower Upper
248 100
250 204.2 76.9 115.3#
141 377.2 68.2 102.4#

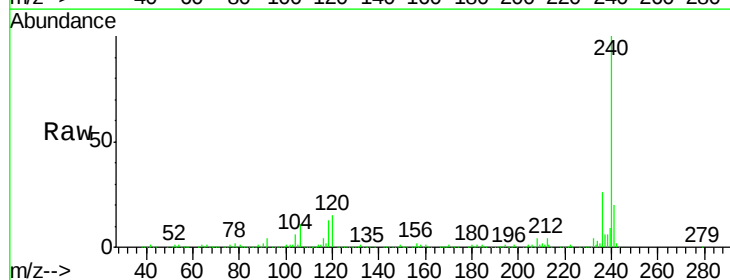


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

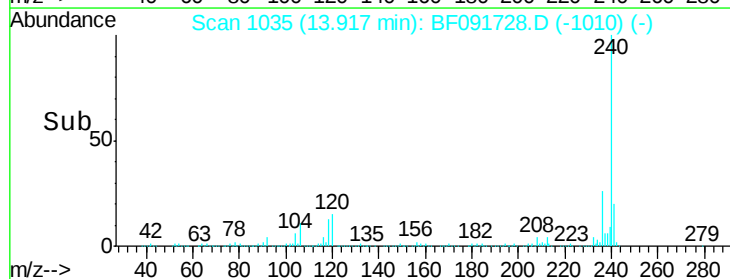
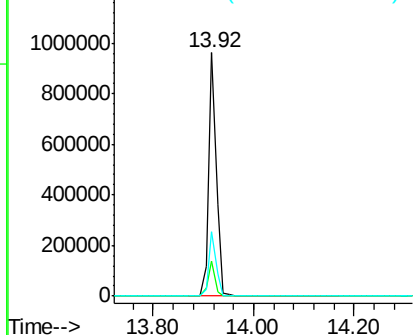


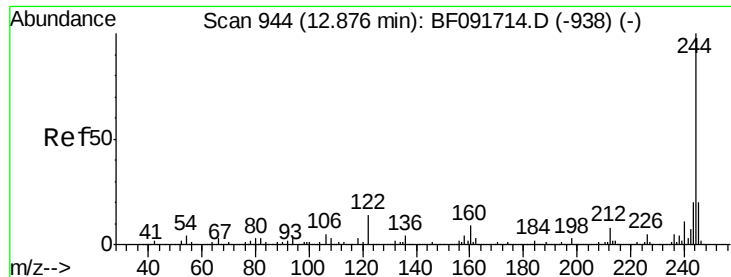
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF091728.D
Acq: 18 Dec 2016 3:31

Tgt Ion:240 Resp: 1014404
Ion Ratio Lower Upper
240 100
120 14.6 12.9 19.3
236 26.4 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

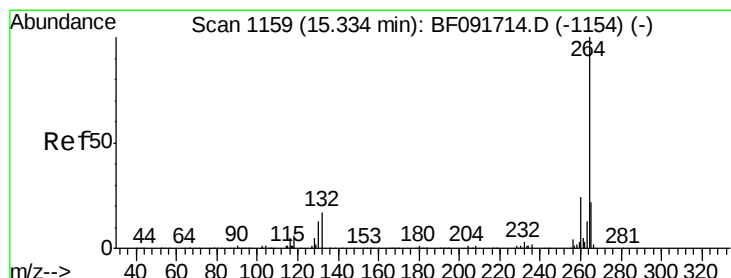
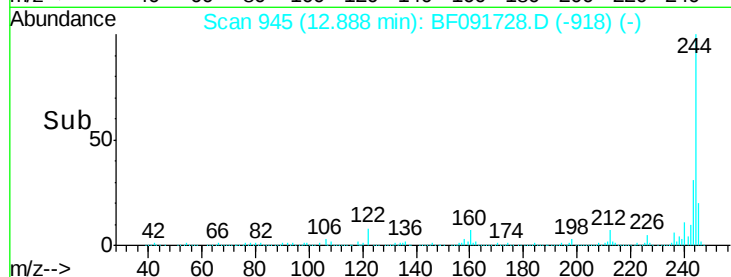
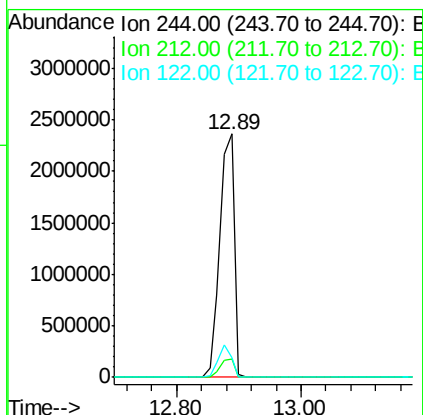
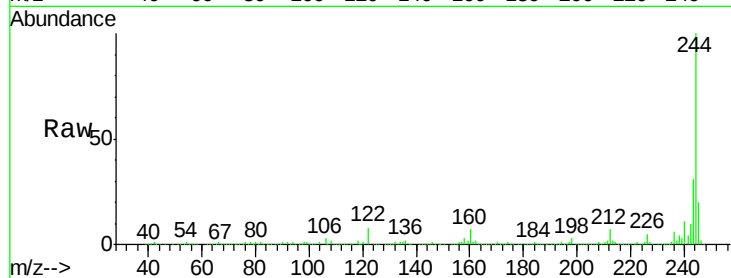




#78
 Terphenyl-d14
 Concen: 93.68 ng
 RT: 12.89 min Scan# 945
 Delta R.T. 0.01 min
 Lab File: BF091728.D
 Acq: 18 Dec 2016 3:31

Instrument :
 BNA_F
 ClientSampleId :
 EB02-121316

Tgt Ion:244 Resp: 3763516
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 8.1 11.4 17.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: BF091728.D
 Acq: 18 Dec 2016 3:31

Tgt Ion:264 Resp: 920312
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 22.0 17.4 26.0

