

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091916\
 Data File : BF090123.D
 Acq On : 19 Sep 2016 16:31
 Operator : UM/SJ
 Sample : H4716-02RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EFFRE

Quant Time: Sep 19 17:44:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 11:18:43 2016
 Response via : Initial Calibration

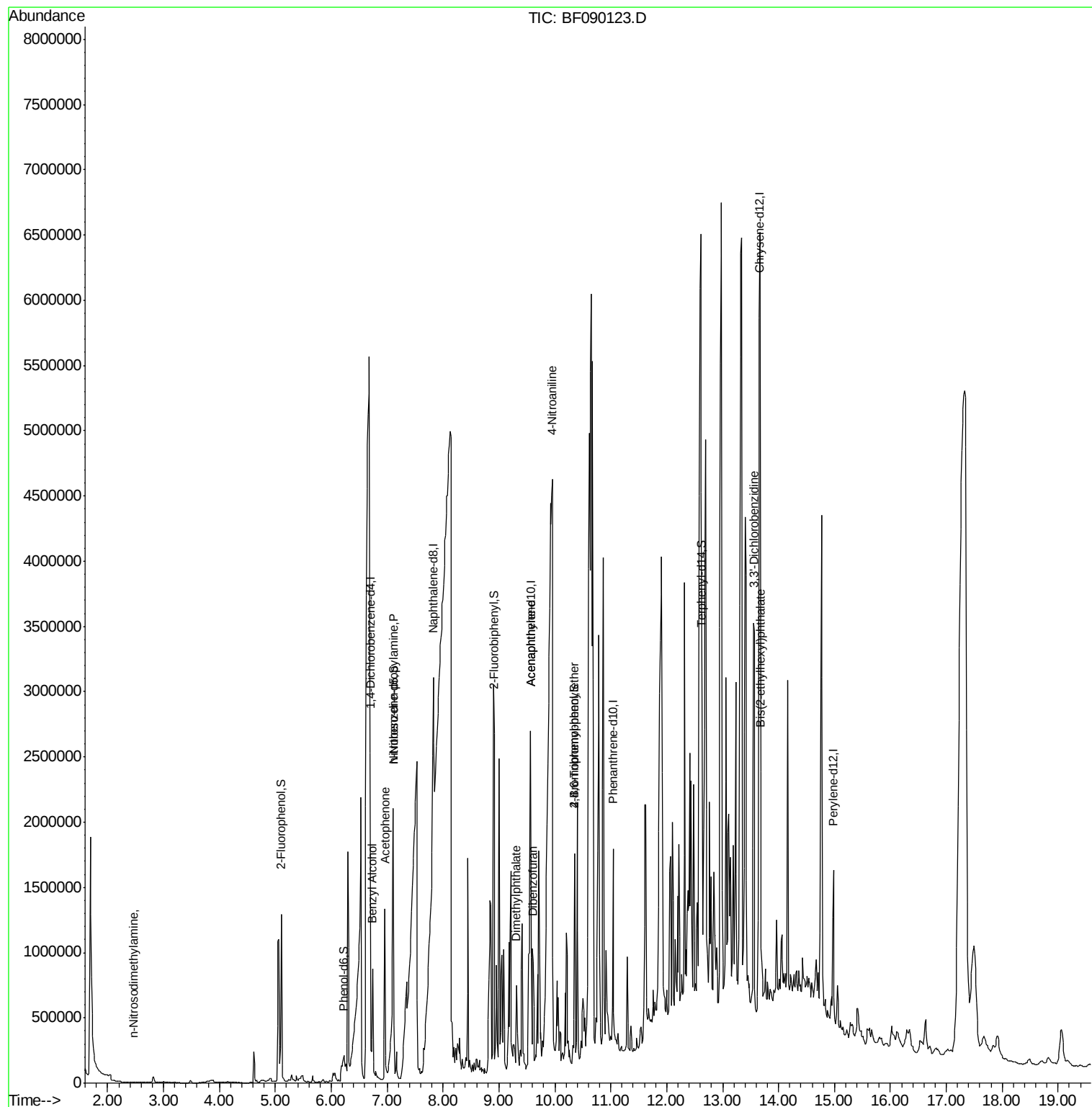
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	409761	20.00	ng	0.15
21) Naphthalene-d8	7.83	136	641386	20.00	ng	-0.01
38) Acenaphthene-d10	9.56	164	308812	20.00	ng	-0.02
63) Phenanthrene-d10	11.04	188	543538	20.00	ng	-0.01
75) Chrysene-d12	13.66	240	176016	20.00	ng	-0.01
86) Perylene-d12	14.98	264	345302	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	392059	15.39	ng	-0.01
7) Phenol-d6	6.23	99	329314	9.87	ng	0.02
23) Nitrobenzene-d5	7.11	82	885294	77.61	ng	-0.02
41) 2,4,6-Tribromophenol	10.35	330	202574	65.30	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	1613608	82.06	ng	-0.01
78) Terphenyl-d14	12.63	244	781154	105.39	ng	-0.01
Target Compounds						
4) n-Nitrosodimethylamine	2.47	42	1533	3.22	ng	# 1
15) Benzyl Alcohol	6.74	79	236632	12.60	ng	# 87
19) n-Nitroso-di-n-propylamine	7.11	70	149844	7.23	ng	# 81
22) Acetophenone	6.96	105	77051	4.96	ng	# 91
48) Acenaphthylene	9.56	152	85734	2.73	ng	# 46
49) Dimethylphthalate	9.31	163	311091	13.56	ng	100
54) Dibenzofuran	9.61	168	177742	7.32	ng	# 62
57) Fluorene	10.08	166	3228	Below Cal		# 1
61) 4-Nitroaniline	9.95	138	87602	13.88	ng	# 34
66) 4-Bromophenyl-phenylether	10.35	248	11997	2.29	ng	# 1
81) 3,3'-Dichlorobenzidine	13.57	252	8738	2.03	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.68	149	17581	2.22	ng	# 93

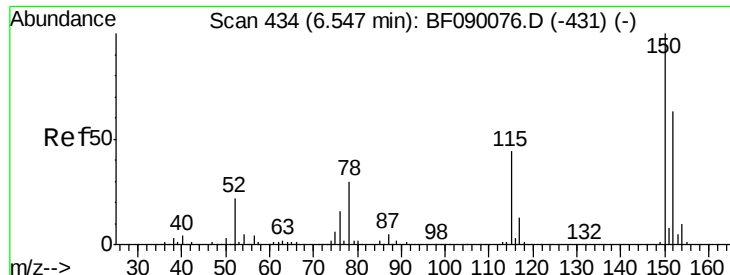
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. 0.15 min

Lab File: BF090123.D

Acq: 19 Sep 2016 16:31

Instrument :

BNA_F

ClientSampleId :

EFFRE

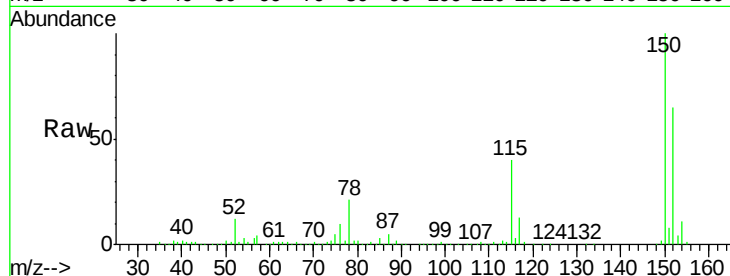
Tgt Ion:152 Resp: 409761

Ion Ratio Lower Upper

152 100

150 154.8 128.9 193.3

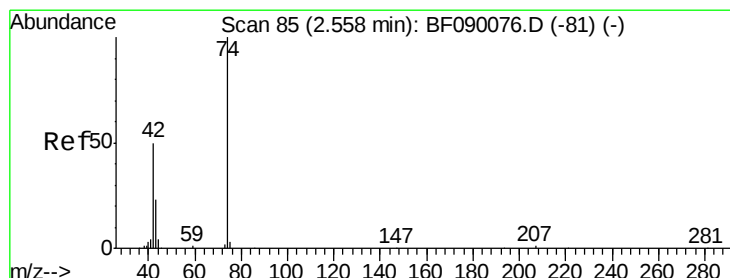
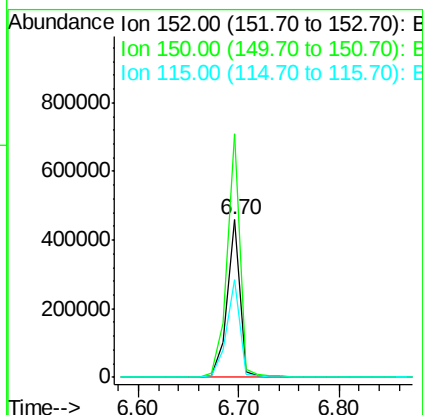
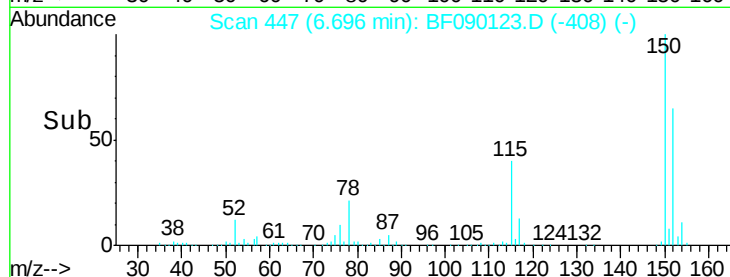
115 62.0 55.5 83.3



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



#4

n-Nitrosodimethylamine

Concen: 3.22 ng

RT: 2.47 min Scan# 77

Delta R.T. -0.09 min

Lab File: BF090123.D

Acq: 19 Sep 2016 16:31

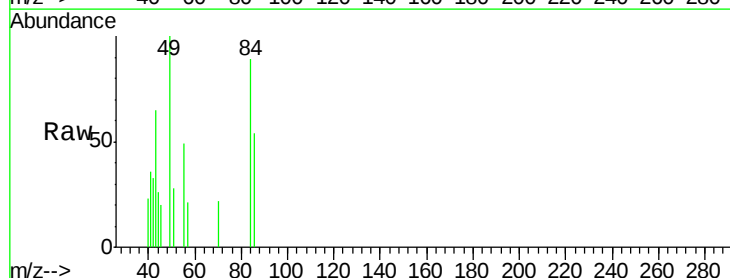
Tgt Ion: 42 Resp: 1533

Ion Ratio Lower Upper

42 100

74 0.0 158.7 238.1#

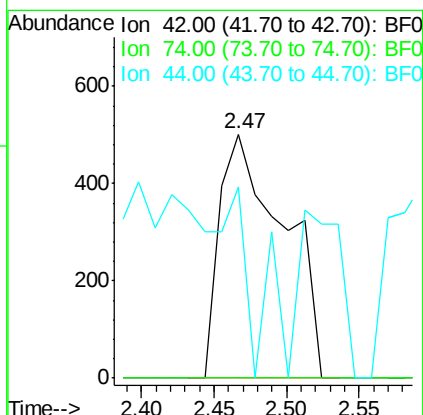
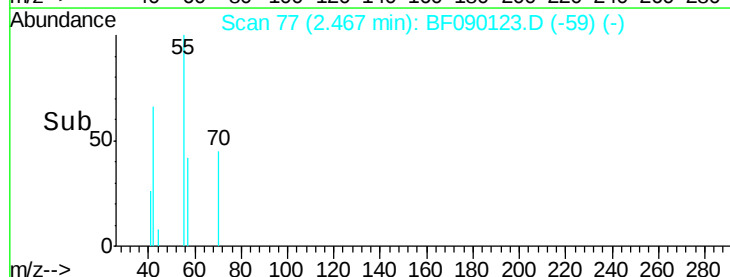
44 78.4 6.4 9.6#

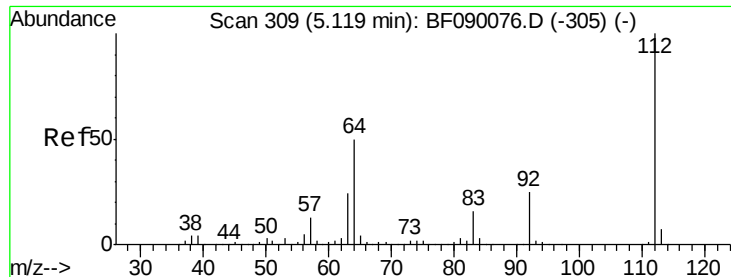


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 15.39 ng

RT: 5.11 min Scan# 308

Delta R.T. -0.01 min

Lab File: BF090123.D

Acq: 19 Sep 2016 16:31

Instrument :

BNA_F

ClientSampleId :

EFFRE

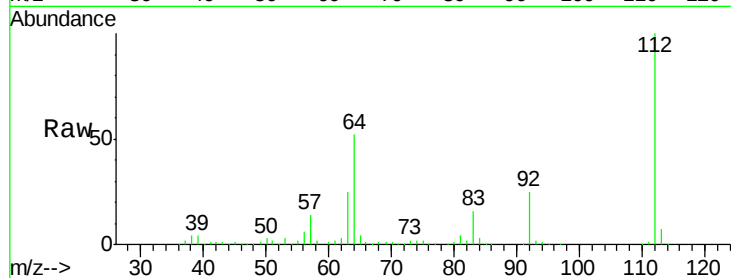
Tgt Ion: 112 Resp: 392059

Ion Ratio Lower Upper

112 100

64 52.2 39.8 59.6

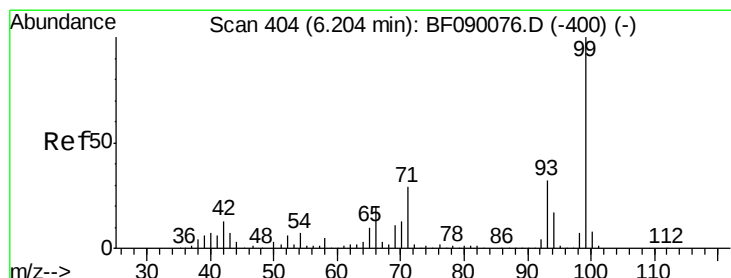
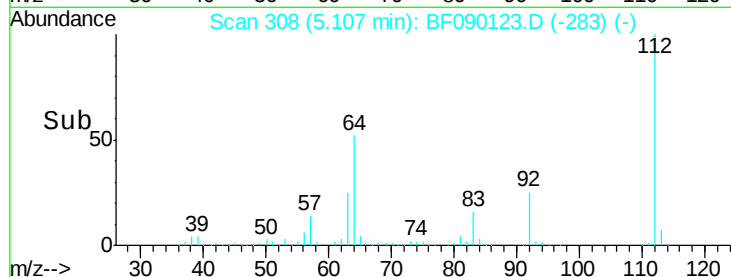
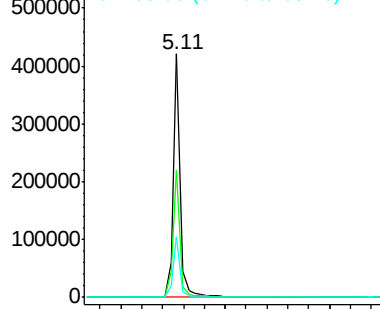
63 24.7 18.9 28.3



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: 9.87 ng

RT: 6.23 min Scan# 406

Delta R.T. 0.02 min

Lab File: BF090123.D

Acq: 19 Sep 2016 16:31

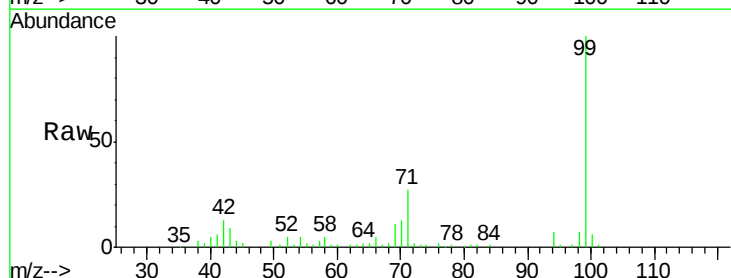
Tgt Ion: 99 Resp: 329314

Ion Ratio Lower Upper

99 100

42 13.0 10.6 15.8

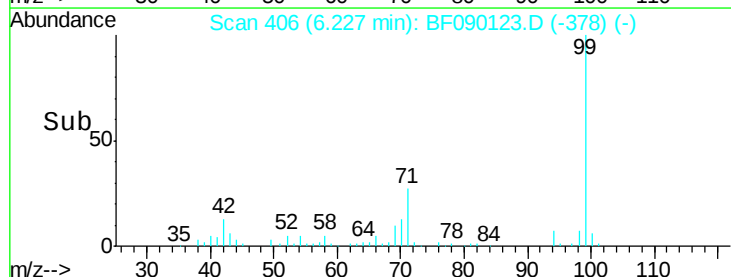
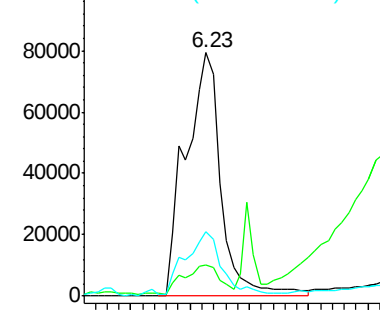
71 26.5 23.0 34.6

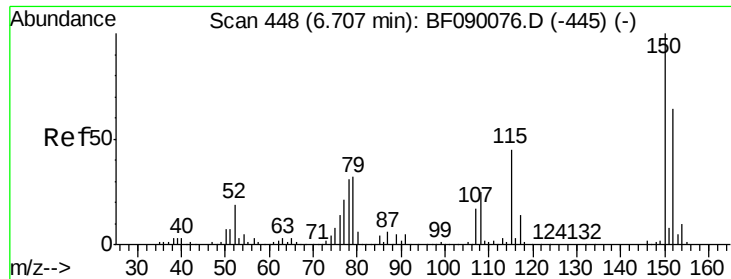


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

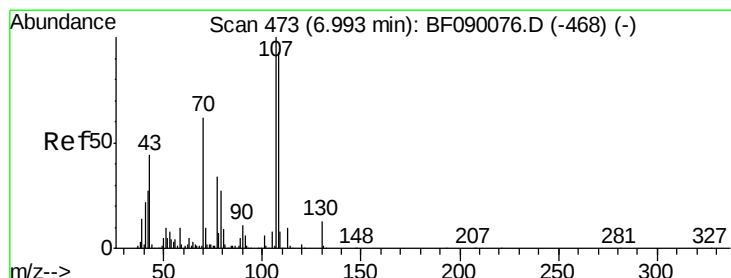
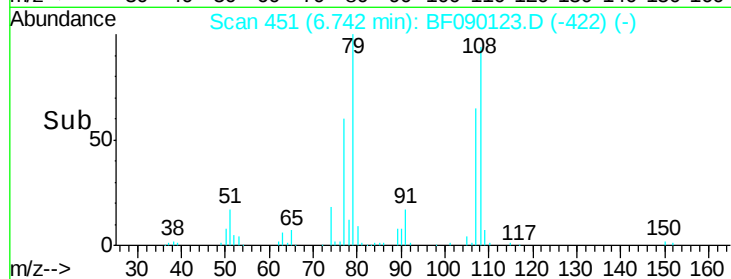
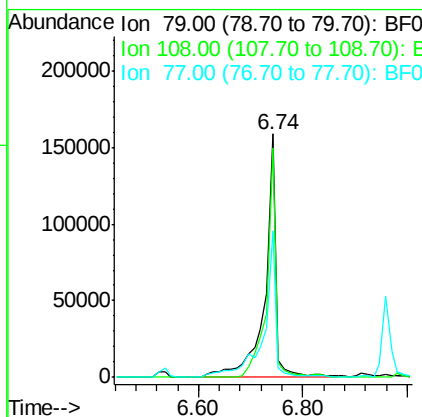
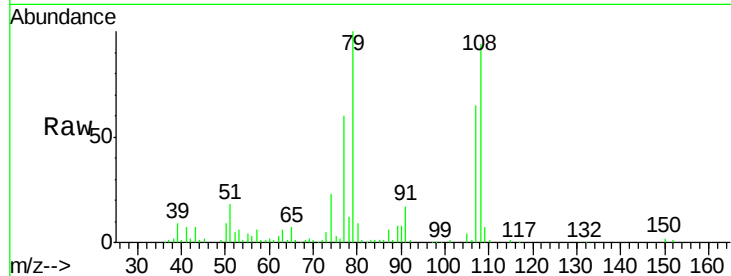




#15
Benzyl Alcohol
Concen: 12.60 ng
RT: 6.74 min Scan# 451
Delta R.T. 0.03 min
Lab File: BF090123.D
Acq: 19 Sep 2016 16:31

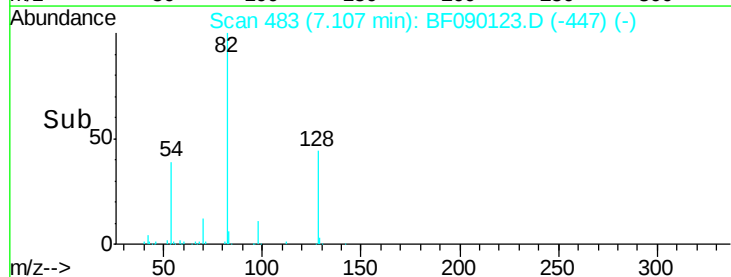
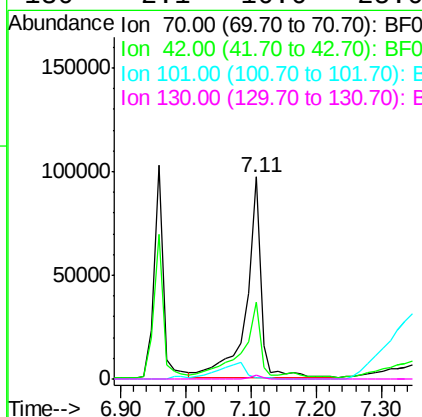
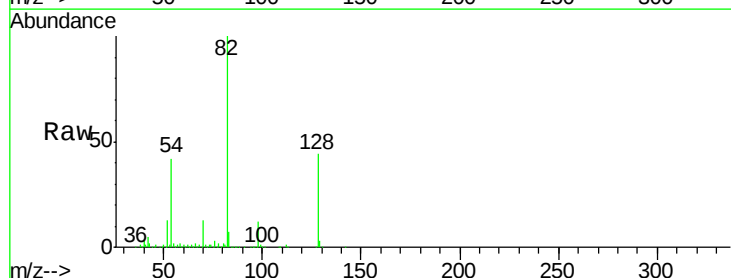
Instrument :
BNA_F
ClientSampleId :
EFFRE

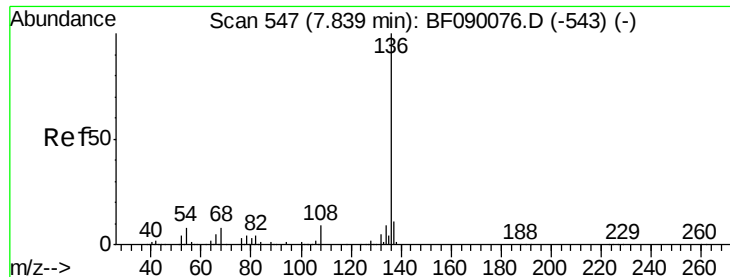
Tgt Ion: 79 Resp: 236632
Ion Ratio Lower Upper
79 100
108 94.1 62.2 93.4#
77 59.9 51.4 77.0



#19
n-Nitroso-di-n-propylamine
Concen: 7.23 ng
RT: 7.11 min Scan# 483
Delta R.T. 0.11 min
Lab File: BF090123.D
Acq: 19 Sep 2016 16:31

Tgt Ion: 70 Resp: 149844
Ion Ratio Lower Upper
70 100
42 38.3 35.1 52.7
101 0.6 7.5 11.3#
130 2.1 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF090123.D

Acq: 19 Sep 2016 16:31

Instrument :

BNA_F

ClientSampleId :

EFFRE

Tgt Ion:136 Resp: 641386

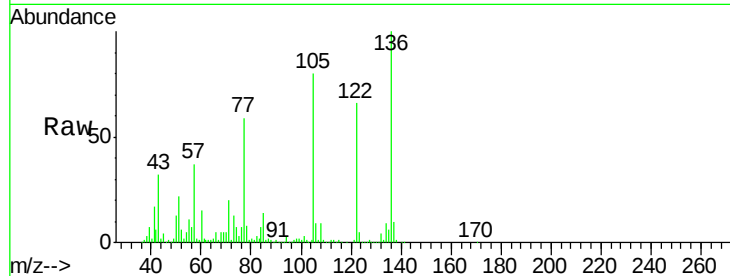
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 5.3 6.4 9.6#

68 5.2 6.3 9.5#

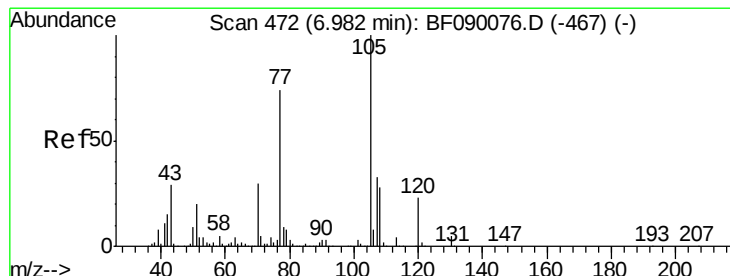
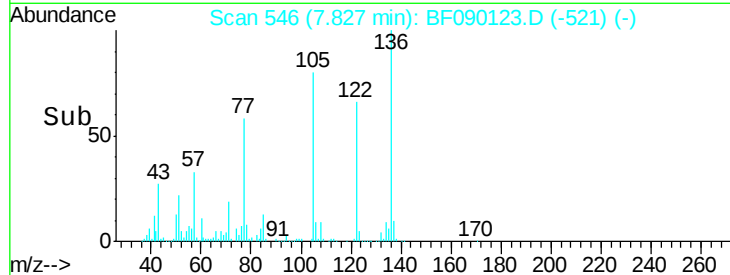
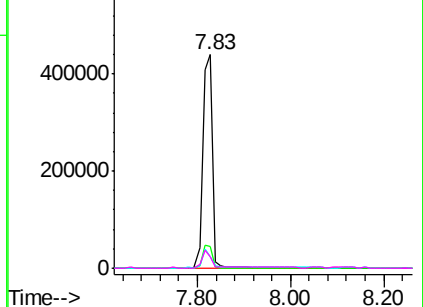


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 4.96 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF090123.D

Acq: 19 Sep 2016 16:31

Tgt Ion:105 Resp: 77051

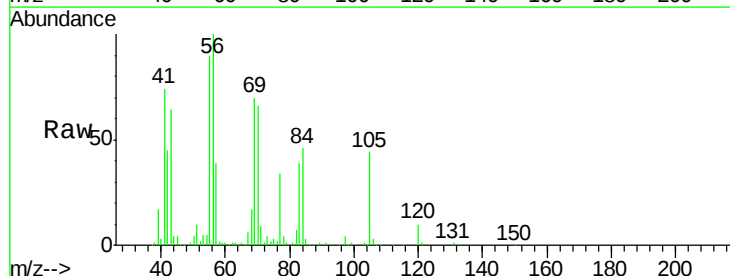
Ion Ratio Lower Upper

105 100

71 20.5 4.1 6.1#

51 24.0 16.2 24.2

120 21.9 18.2 27.2

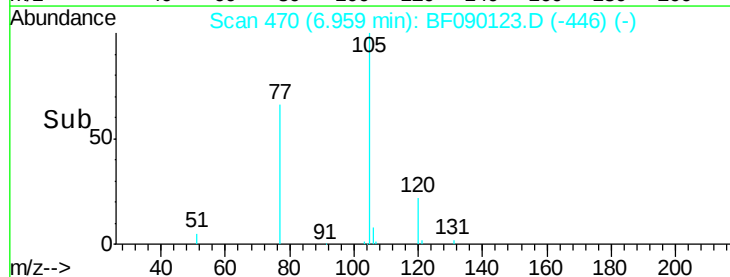
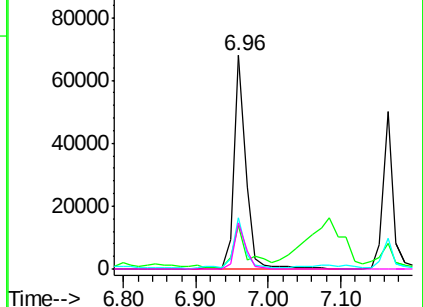


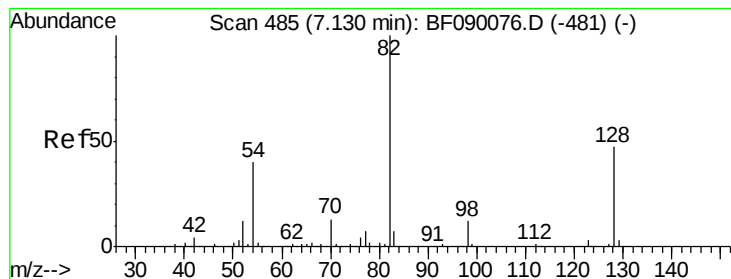
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 77.61 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.02 min

Lab File: BF090123.D

Acq: 19 Sep 2016 16:31

Instrument :

BNA_F

ClientSampleId :

EFFRE

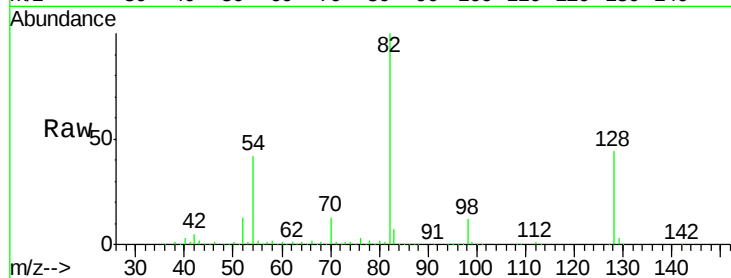
Tgt Ion: 82 Resp: 885294

Ion Ratio Lower Upper

82 100

128 43.7 37.5 56.3

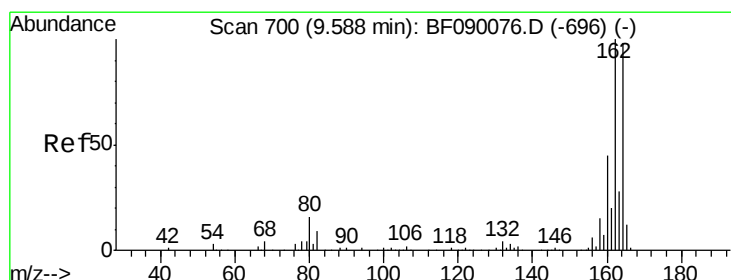
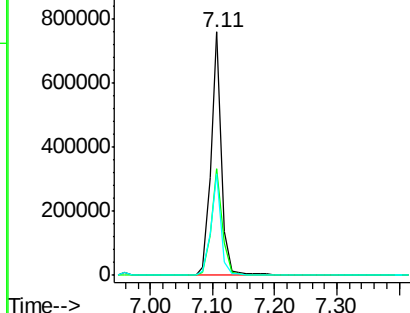
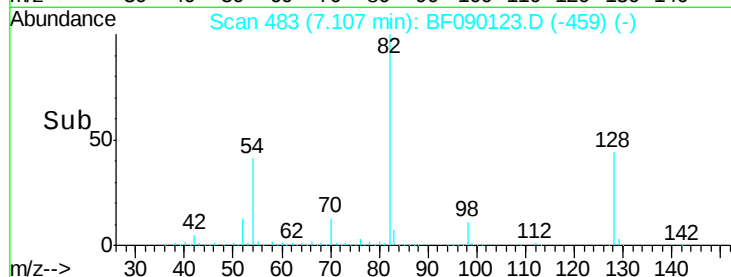
54 41.5 31.9 47.9



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.02 min

Lab File: BF090123.D

Acq: 19 Sep 2016 16:31

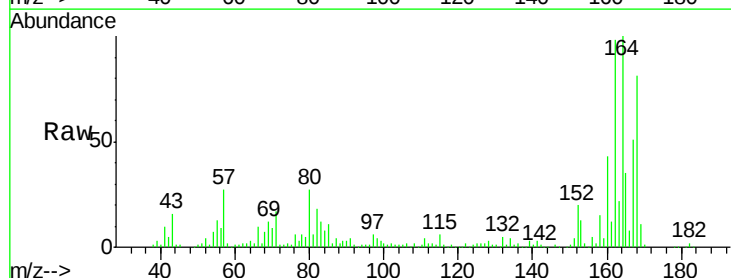
Tgt Ion: 164 Resp: 308812

Ion Ratio Lower Upper

164 100

162 98.4 81.4 122.2

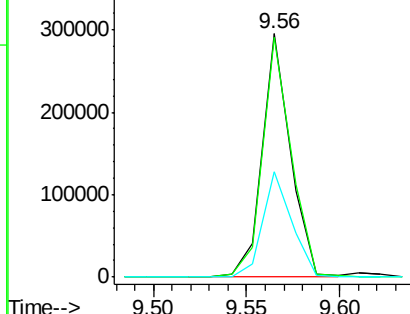
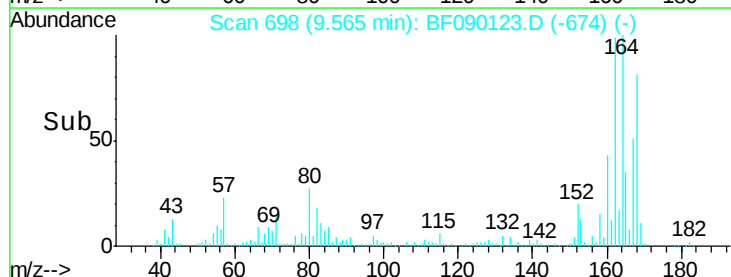
160 43.1 36.6 54.8

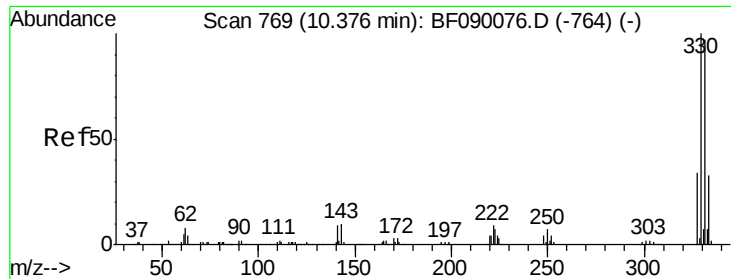


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

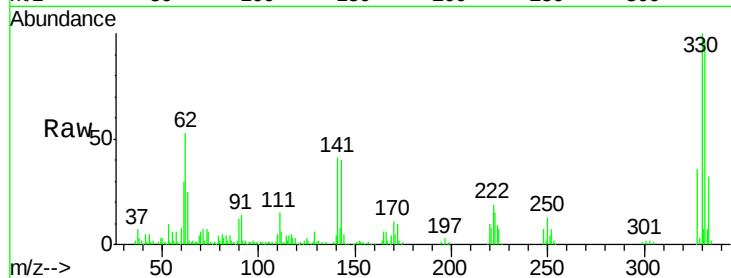




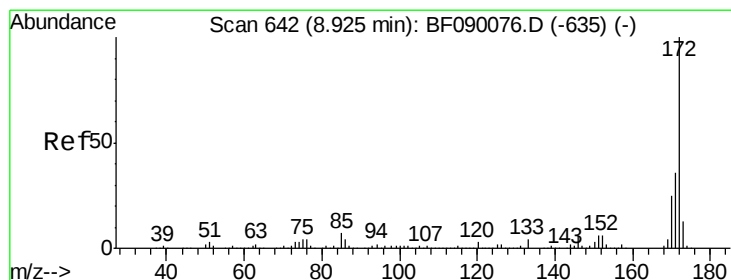
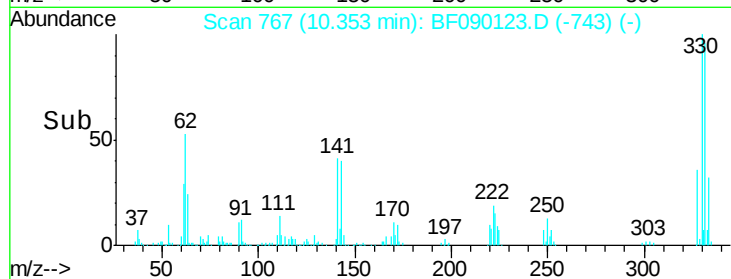
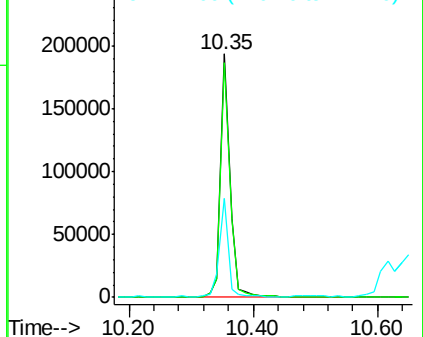
#41
 2,4,6-Tribromophenol
 Concen: 65.30 ng
 RT: 10.35 min Scan# 767
 Delta R.T. -0.02 min
 Lab File: BF090123.D
 Acq: 19 Sep 2016 16:31

Instrument :
 BNA_F
 ClientSampleId :
 EFFRE

Tgt Ion: 330 Resp: 202574
 Ion Ratio Lower Upper
 330 100
 332 97.4 78.1 117.1
 141 37.8 23.9 35.9#

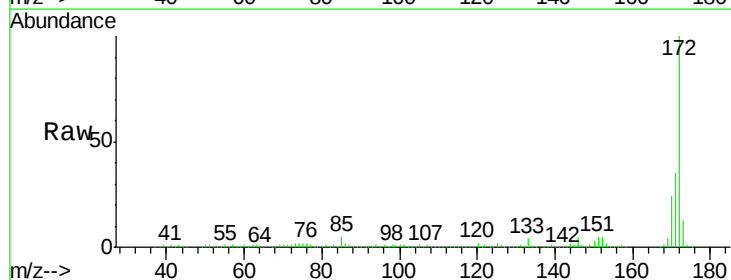


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

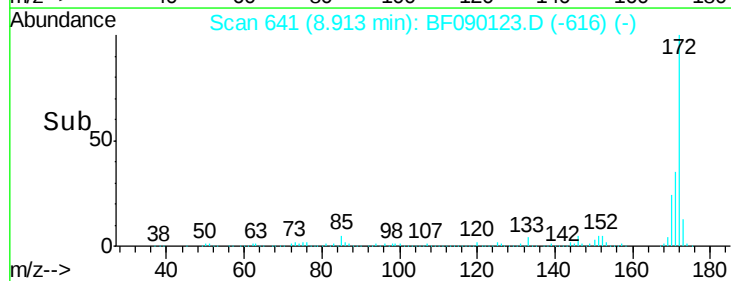
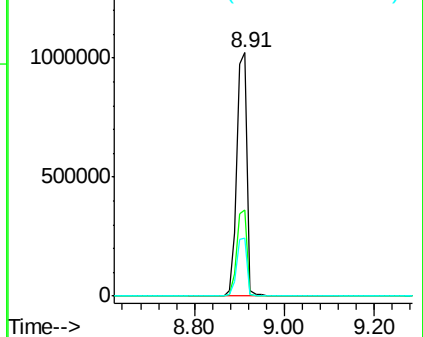


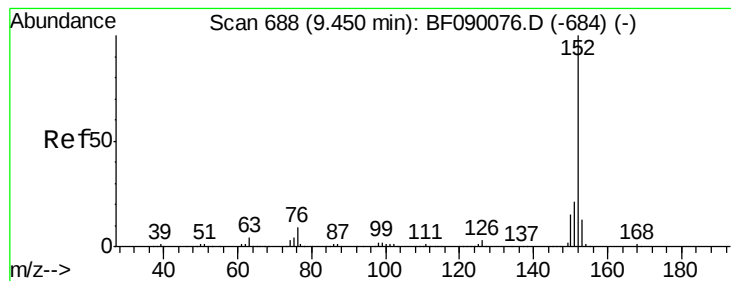
#44
 2-Fluorobiphenyl
 Concen: 82.06 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: BF090123.D
 Acq: 19 Sep 2016 16:31

Tgt Ion: 172 Resp: 1613608
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.2 43.8
 170 24.0 19.8 29.8



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





#48

Acenaphthylene

Concen: 2.73 ng

RT: 9.56 min Scan# 698

Delta R.T. 0.11 min

Lab File: BF090123.D

Acq: 19 Sep 2016 16:31

Instrument :

BNA_F

ClientSampleId :

EFFRE

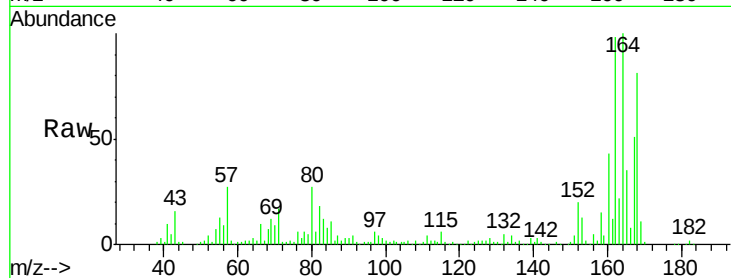
Tgt Ion:152 Resp: 85734

Ion Ratio Lower Upper

152 100

151 18.9 16.5 24.7

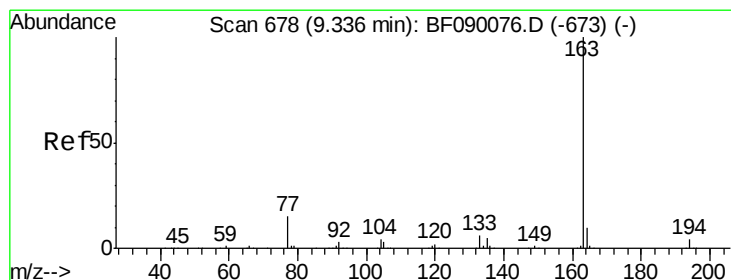
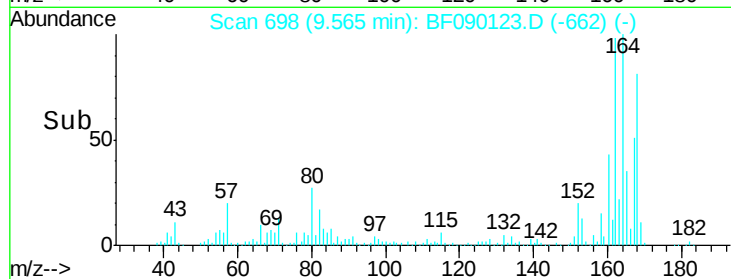
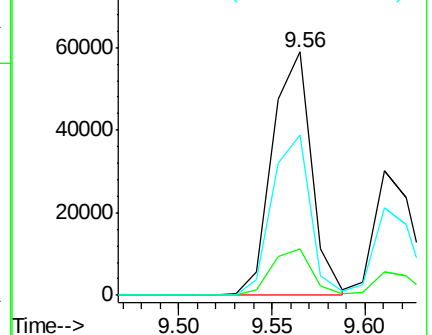
153 66.1 10.6 15.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 13.56 ng

RT: 9.31 min Scan# 676

Delta R.T. -0.02 min

Lab File: BF090123.D

Acq: 19 Sep 2016 16:31

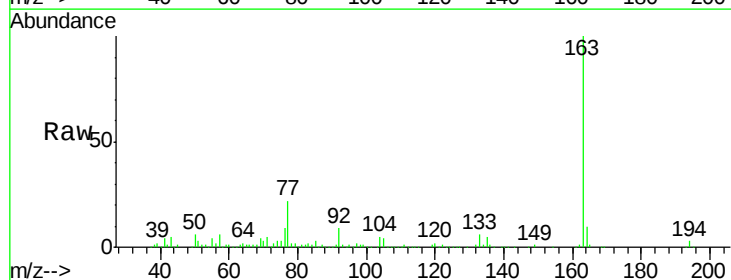
Tgt Ion:163 Resp: 311091

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

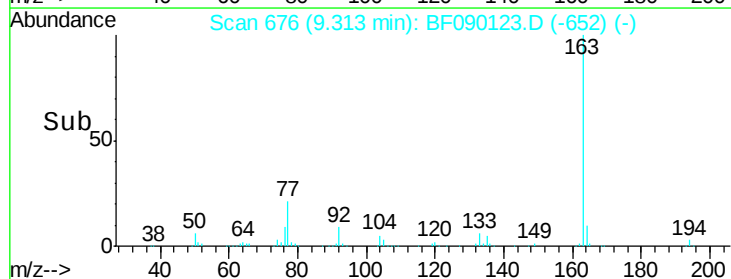
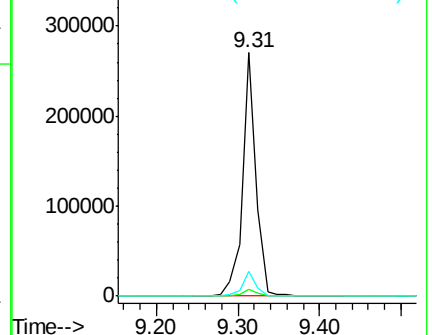
164 10.1 8.1 12.1

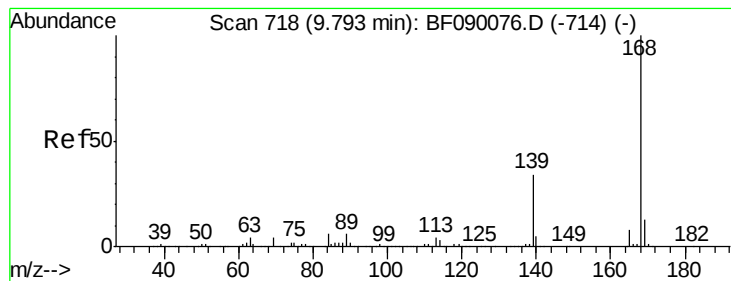


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#54

Dibenzofuran

Concen: 7.32 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.18 min

Lab File: BF090123.D

Acq: 19 Sep 2016 16:31

Instrument :

BNA_F

ClientSampleId :

EFFRE

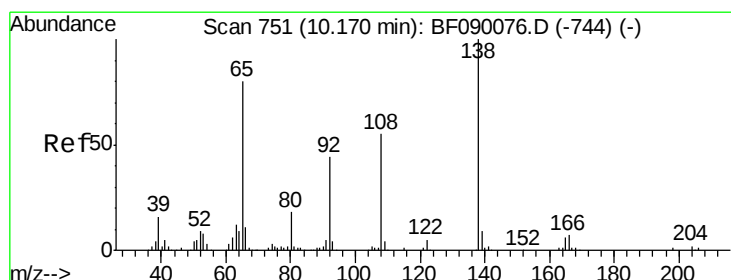
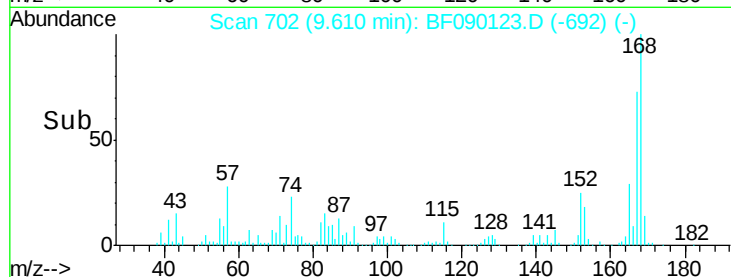
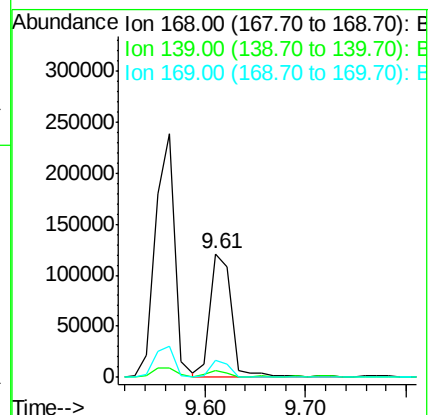
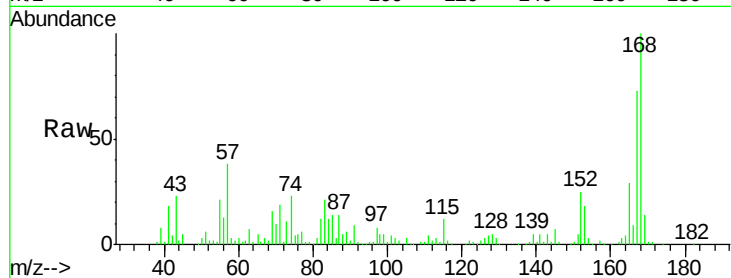
Tgt Ion:168 Resp: 177742

Ion Ratio Lower Upper

168 100

139 5.2 28.8 43.2#

169 13.7 10.7 16.1



#61

4-Nitroaniline

Concen: 13.88 ng

RT: 9.95 min Scan# 732

Delta R.T. -0.22 min

Lab File: BF090123.D

Acq: 19 Sep 2016 16:31

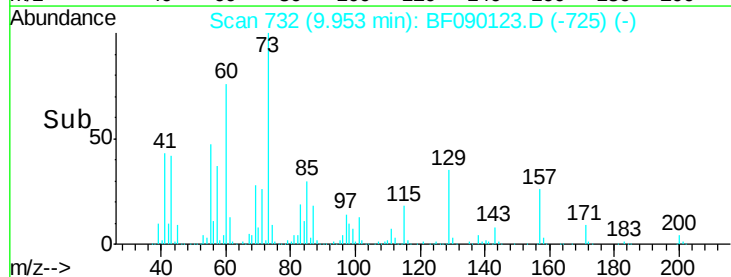
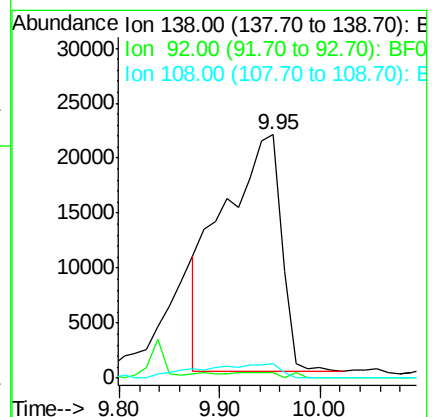
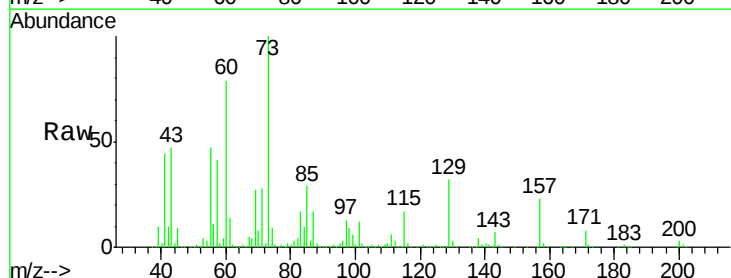
Tgt Ion:138 Resp: 87602

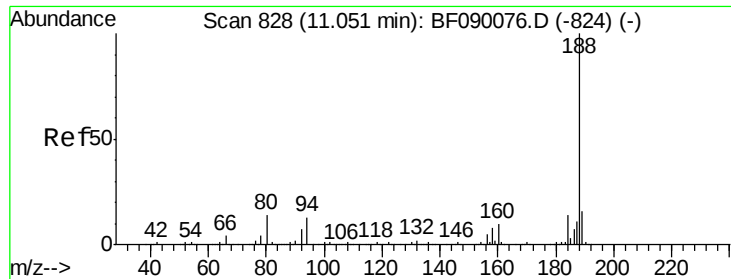
Ion Ratio Lower Upper

138 100

92 2.5 23.8 63.8#

108 5.8 35.0 75.0#

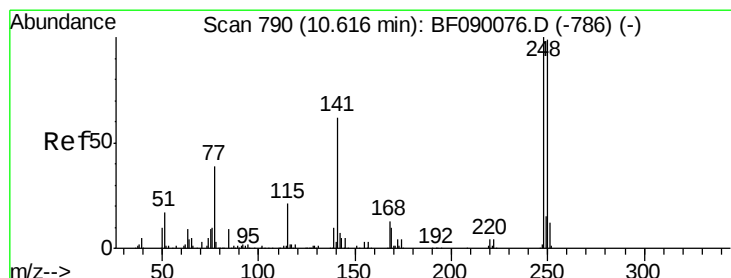
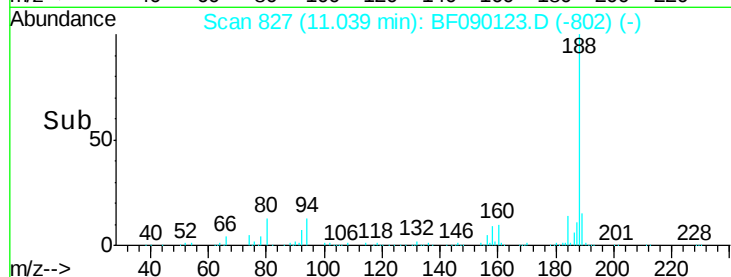
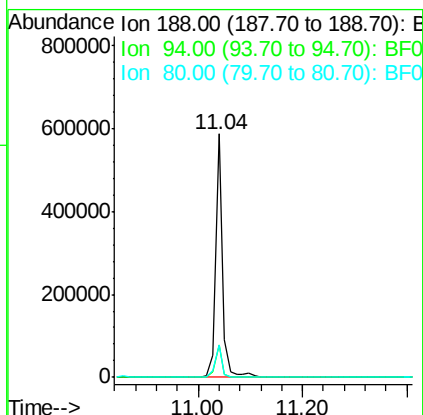
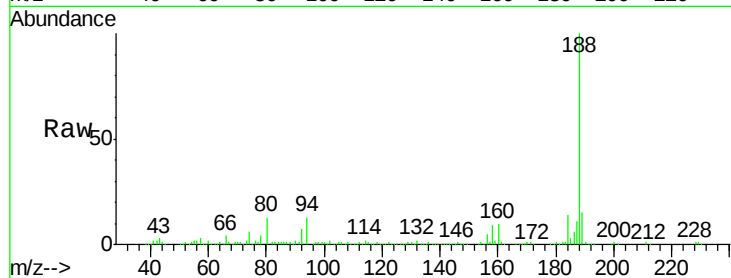




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.04 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF090123.D
Acq: 19 Sep 2016 16:31

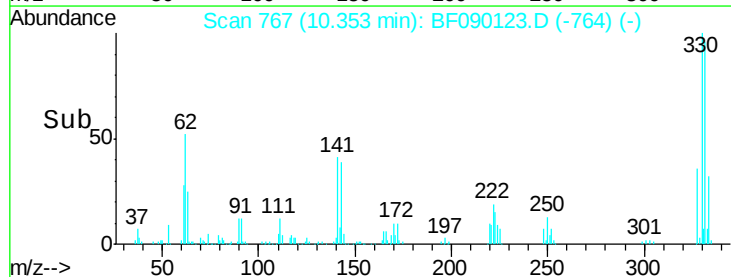
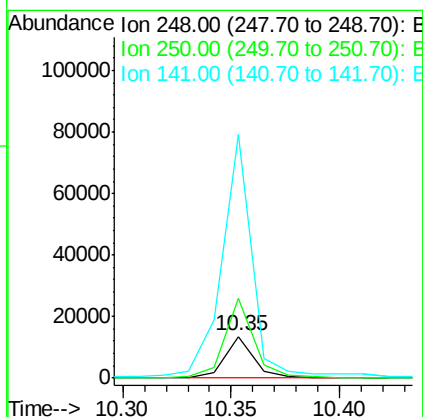
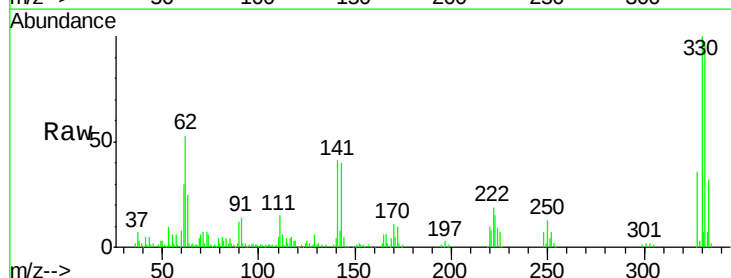
Instrument :
BNA_F
ClientSampleId :
EFFRE

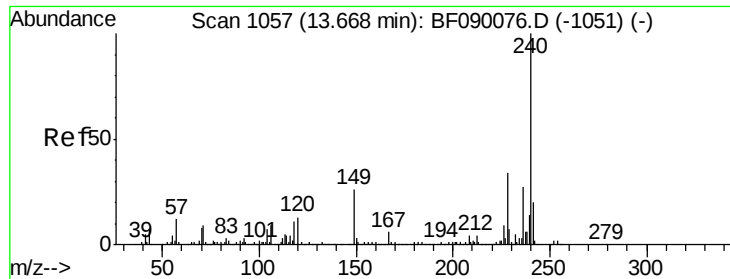
Tgt Ion:188 Resp: 543538
Ion Ratio Lower Upper
188 100
94 13.1 10.5 15.7
80 13.2 11.2 16.8



#66
4-Bromophenyl-phenylether
Concen: 2.29 ng
RT: 10.35 min Scan# 767
Delta R.T. -0.26 min
Lab File: BF090123.D
Acq: 19 Sep 2016 16:31

Tgt Ion:248 Resp: 11997
Ion Ratio Lower Upper
248 100
250 192.3 79.4 119.2#
141 588.4 49.3 73.9#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.66 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF090123.D

Acq: 19 Sep 2016 16:31

Instrument :

BNA_F

ClientSampleId :

EFFRE

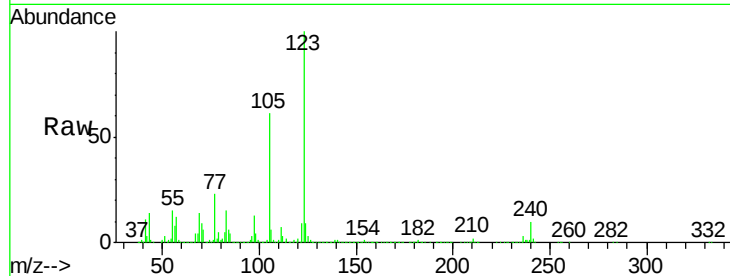
Tgt Ion:240 Resp: 176016

Ion Ratio Lower Upper

240 100

120 16.5 10.6 16.0#

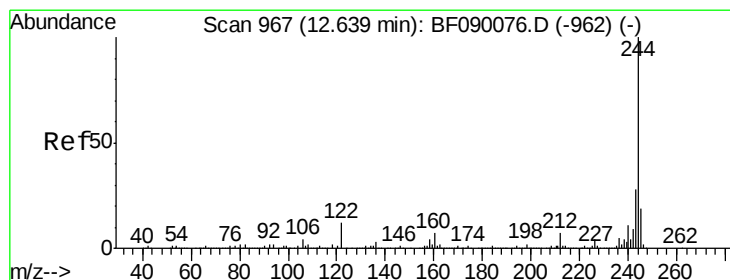
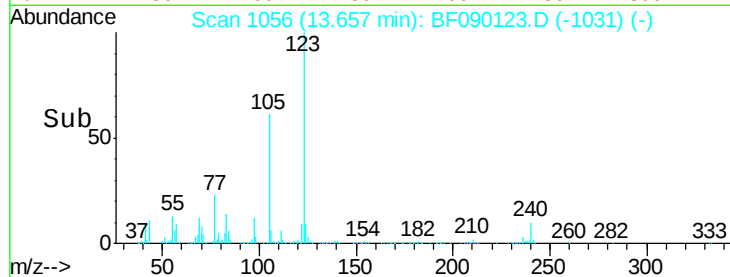
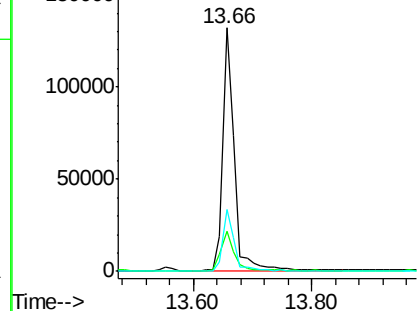
236 25.6 21.6 32.4



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: 105.39 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF090123.D

Acq: 19 Sep 2016 16:31

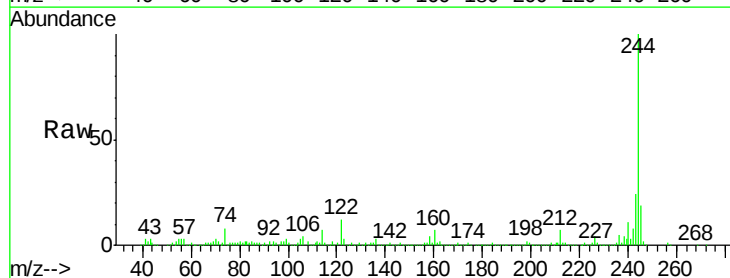
Tgt Ion:244 Resp: 781154

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

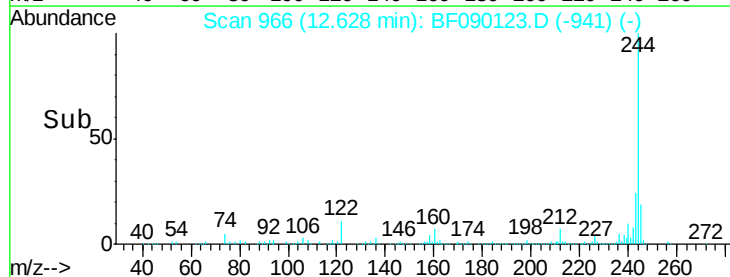
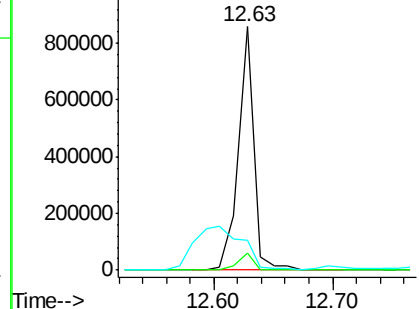
122 12.3 9.4 14.0

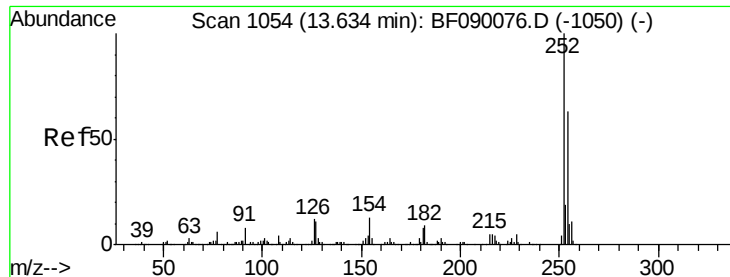


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

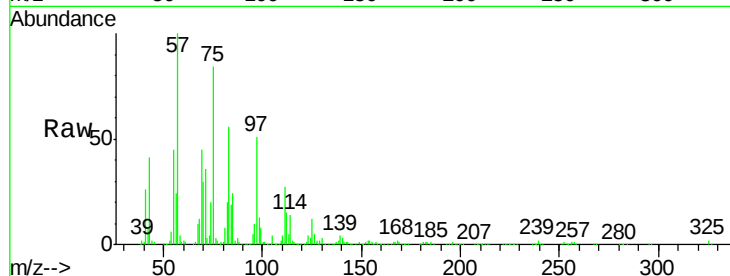




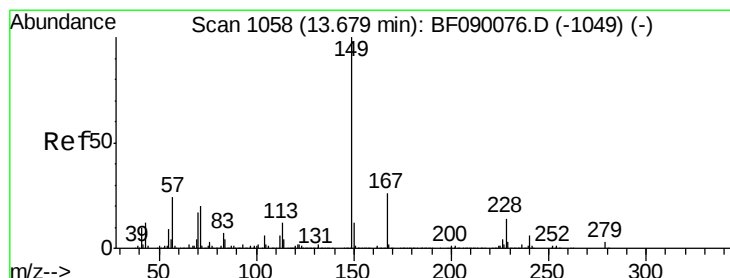
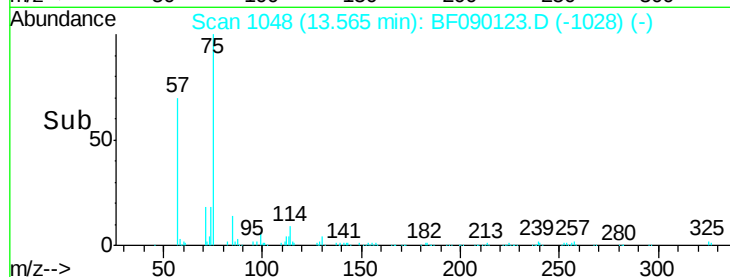
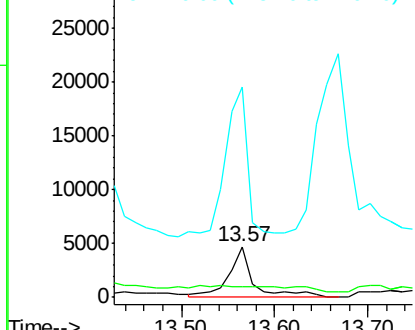
#81
 3,3'-Dichlorobenzidine
 Concen: 2.03 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. -0.07 min
 Lab File: BF090123.D
 Acq: 19 Sep 2016 16:31

Instrument :
 BNA_F
 ClientSampleId :
 EFFRE

Tgt Ion:252 Resp: 8738
 Ion Ratio Lower Upper
 252 100
 254 21.0 50.7 76.1#
 126 413.9 9.2 13.8#

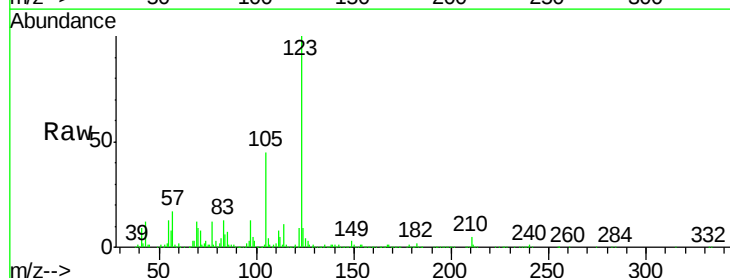


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

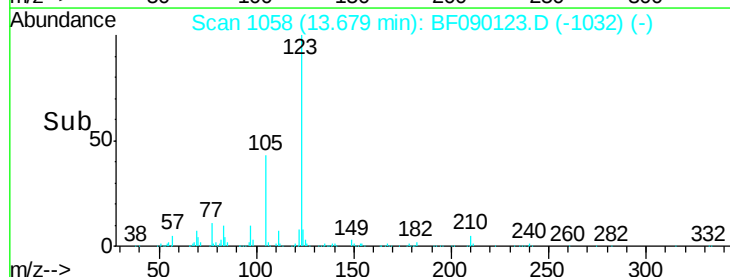
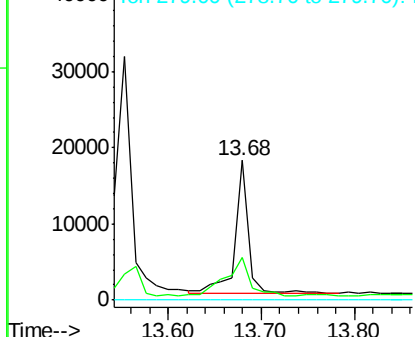


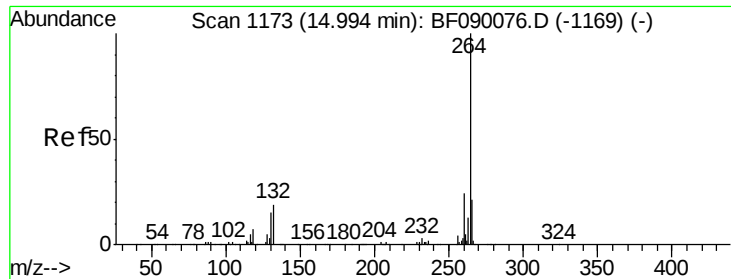
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.22 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: BF090123.D
 Acq: 19 Sep 2016 16:31

Tgt Ion:149 Resp: 17581
 Ion Ratio Lower Upper
 149 100
 167 30.3 21.2 31.8
 279 0.0 2.2 3.2#



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: 14.98 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BF090123.D
Acq: 19 Sep 2016 16:31

Instrument :
BNA_F
ClientSampleId :
EFFRE

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.4	17.0	25.4

