

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089239.D
 Acq On : 23 Jul 2016 16:05
 Operator : UM/SJ
 Sample : H4120-13
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-10-6.0-15.0

Quant Time: Jul 25 01:09:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

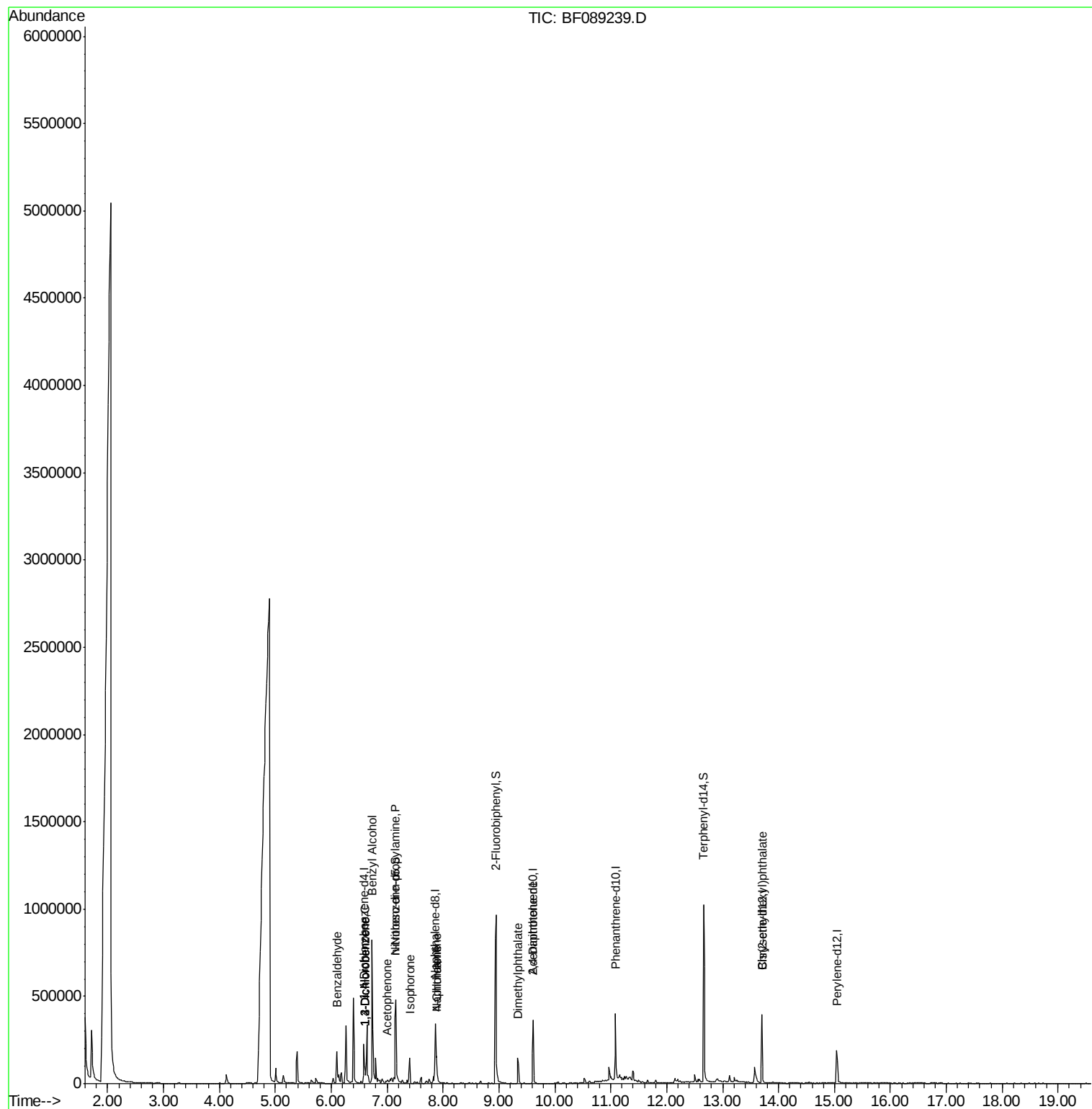
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	44197	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	195172	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	92628	20.00	ng	-0.02
63) Phenanthrene-d10	11.08	188	177926	20.00	ng	-0.02
75) Chrysene-d12	13.70	240	133789	20.00	ng	-0.02
86) Perylene-d12	15.04	264	97996	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	2541	0.87	ng	0.05
7) Phenol-d6	6.26	99	7137	1.90	ng	-0.01
23) Nitrobenzene-d5	7.15	82	267999	72.96	ng	-0.02
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	8.95	172	510180	75.89	ng	-0.02
78) Terphenyl-d14	12.66	244	410302	66.52	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.10	77	13291	5.25	ng	# 1
12) 1,3-Dichlorobenzene	6.60	146	20667	5.80	ng	# 92
13) 1,4-Dichlorobenzene	6.60	146	20667	5.76	ng	95
14) 1,2-Dichlorobenzene	6.60	146	20667	6.11	ng	97
15) Benzyl Alcohol	6.73	79	5657	2.06	ng	# 53
19) n-Nitroso-di-n-propylamine	7.15	70	36096	14.73	ng	# 80
22) Acetophenone	7.00	105	22137	4.25	ng	# 97
25) Isophorone	7.40	82	65983	9.75	ng	99
31) Naphthalene	7.88	128	82893	7.87	ng	100
33) 4-Chloroaniline	7.88	127	10509	2.37	ng	# 40
49) Dimethylphthalate	9.35	163	97155	13.67	ng	99
56) 2,4-Dinitrotoluene	9.61	165	11458	5.54	ng	# 10
83) Bis(2-ethylhexyl)phthalate	13.70	149	12717	2.05	ng	# 99

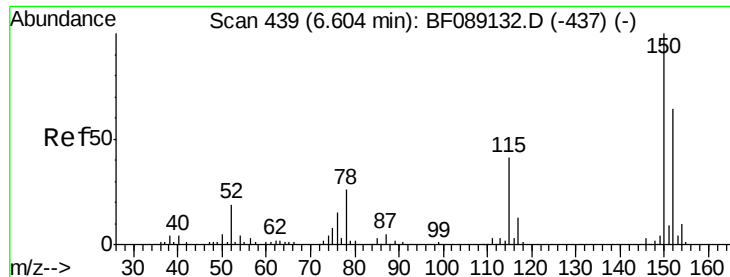
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF089239.D

Acq: 23 Jul 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GW-10-6.0-15.0

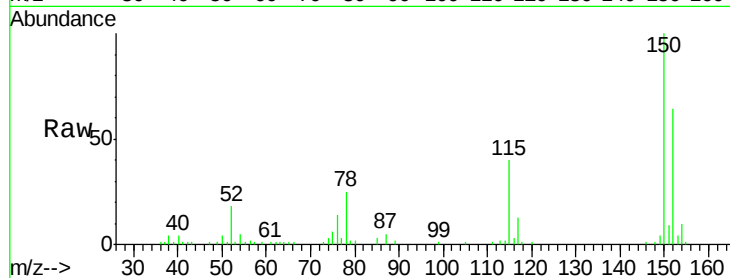
Tgt Ion:152 Resp: 44197

Ion Ratio Lower Upper

152 100

150 156.1 125.1 187.7

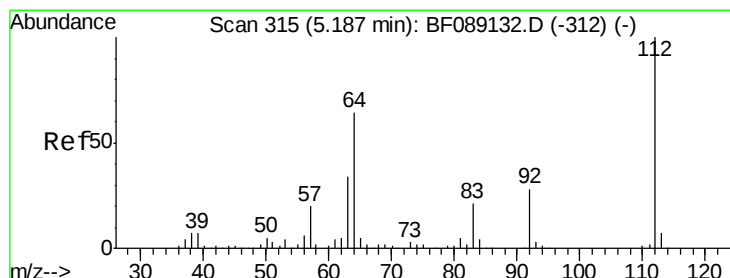
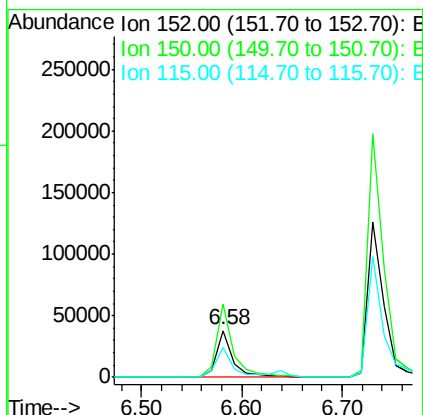
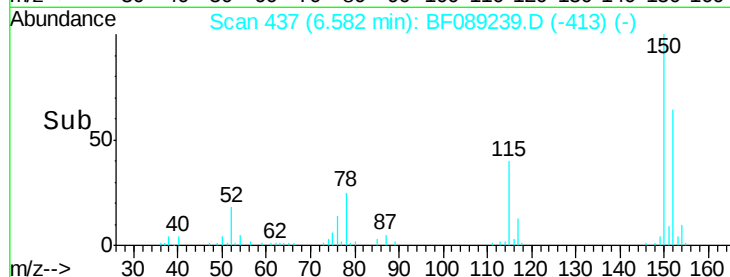
115 62.2 51.1 76.7



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: 0.87 ng

RT: 5.23 min Scan# 319

Delta R.T. 0.05 min

Lab File: BF089239.D

Acq: 23 Jul 2016 16:05

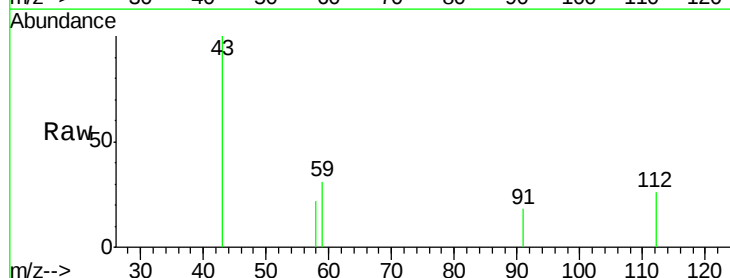
Tgt Ion:112 Resp: 2541

Ion Ratio Lower Upper

112 100

64 0.0 51.0 76.4#

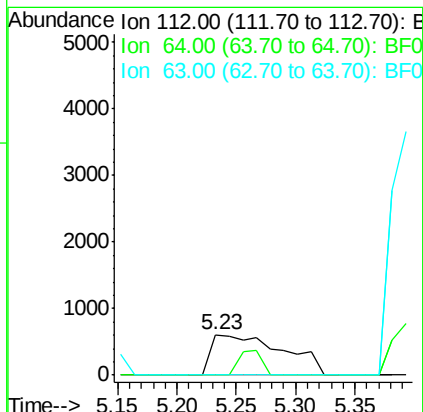
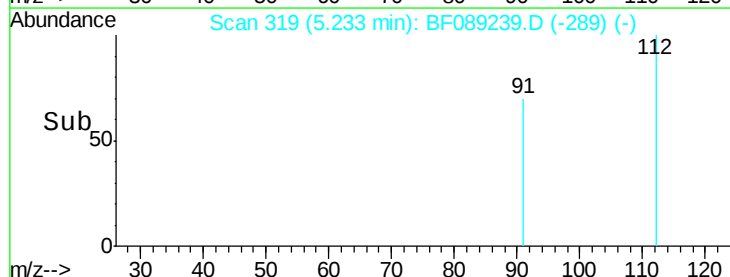
63 0.0 27.3 40.9#

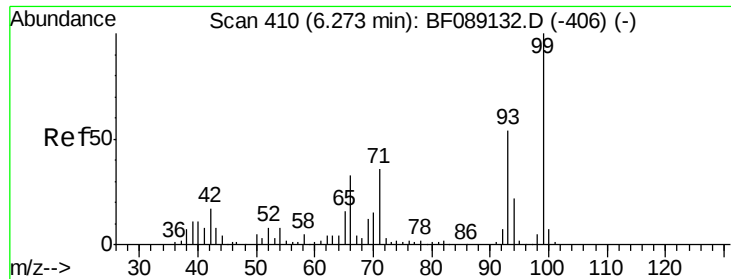


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.90 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF089239.D

Acq: 23 Jul 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GW-10-6.0-15.0

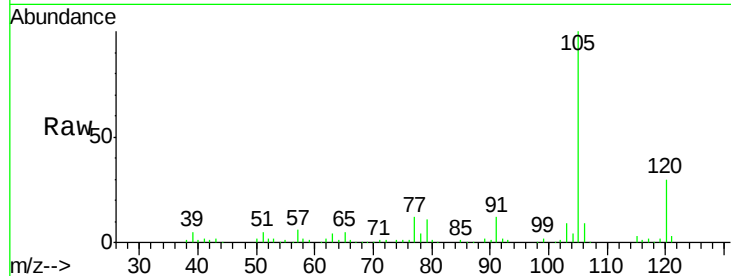
Tgt Ion: 99 Resp: 7137

Ion Ratio Lower Upper

99 100

42 29.9 13.5 20.3#

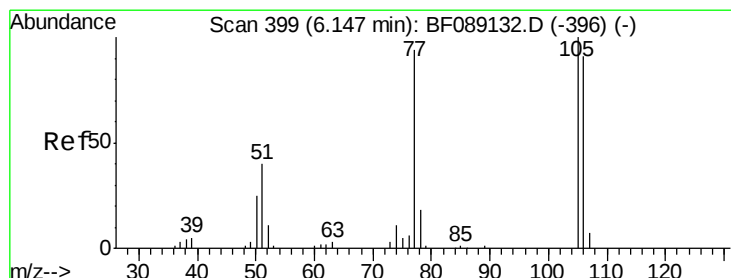
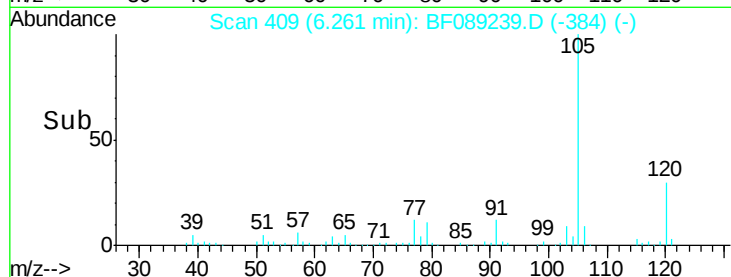
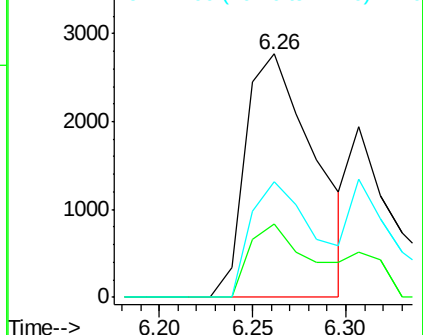
71 47.4 28.9 43.3#



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: 5.25 ng

RT: 6.10 min Scan# 395

Delta R.T. -0.05 min

Lab File: BF089239.D

Acq: 23 Jul 2016 16:05

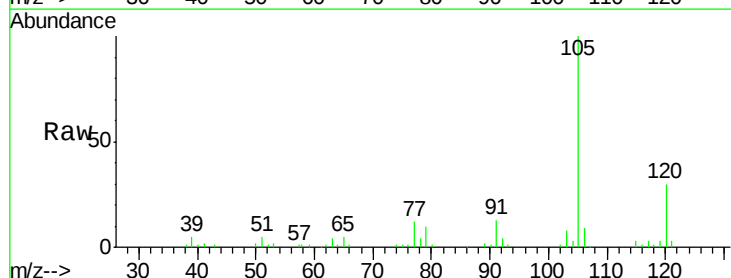
Tgt Ion: 77 Resp: 13291

Ion Ratio Lower Upper

77 100

105 843.7 86.2 126.2#

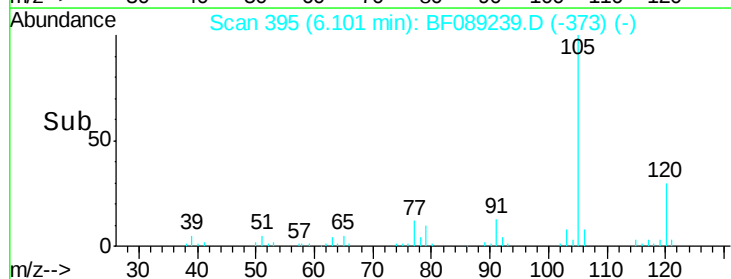
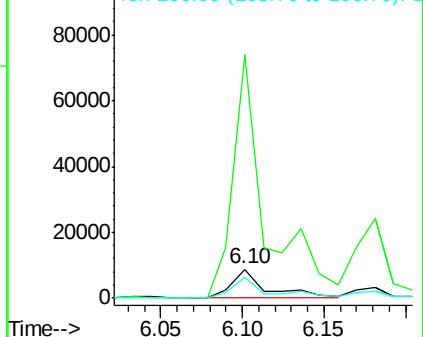
106 72.3 76.3 116.3#

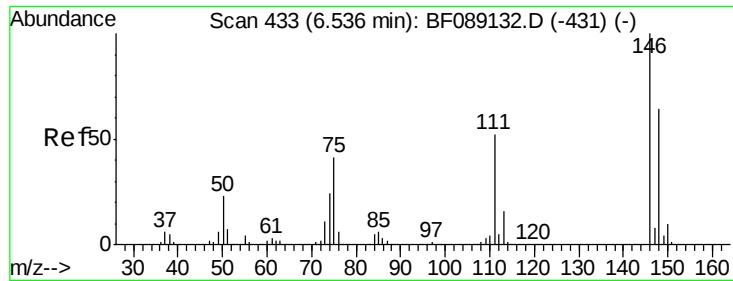


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#12

1,3-Dichlorobenzene

Concen: 5.80 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.07 min

Lab File: BF089239.D

Acq: 23 Jul 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GW-10-6.0-15.0

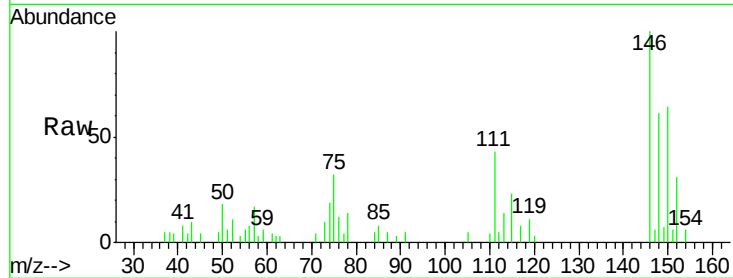
Tgt Ion:146 Resp: 20667

Ion Ratio Lower Upper

146 100

148 61.0 51.0 76.6

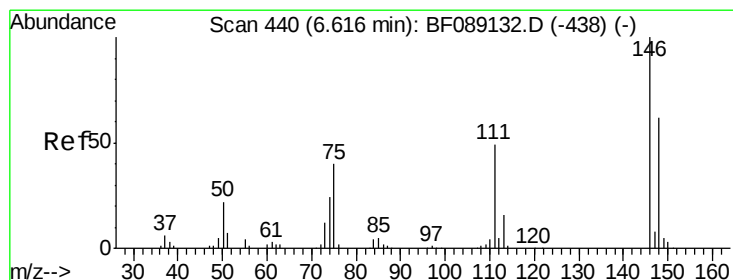
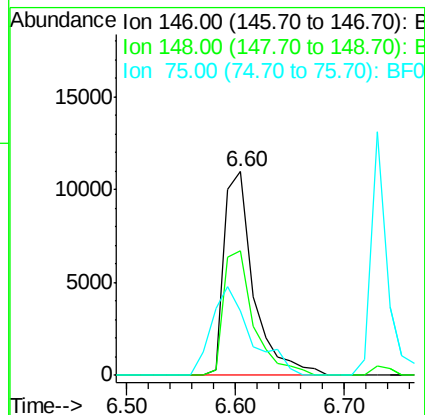
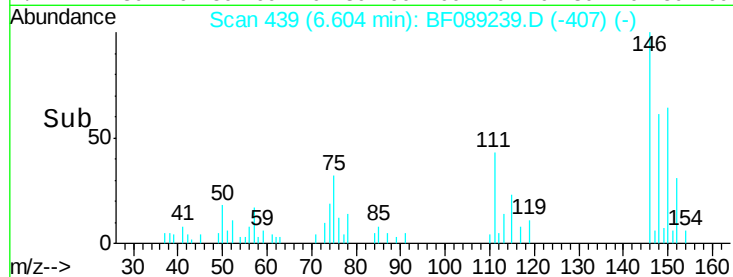
75 31.6 32.5 48.7#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 5.76 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF089239.D

Acq: 23 Jul 2016 16:05

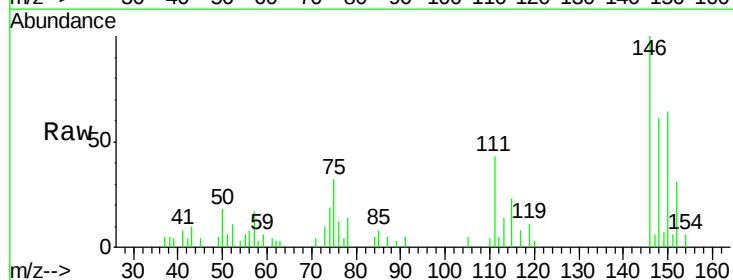
Tgt Ion:146 Resp: 20667

Ion Ratio Lower Upper

146 100

148 61.0 49.9 74.9

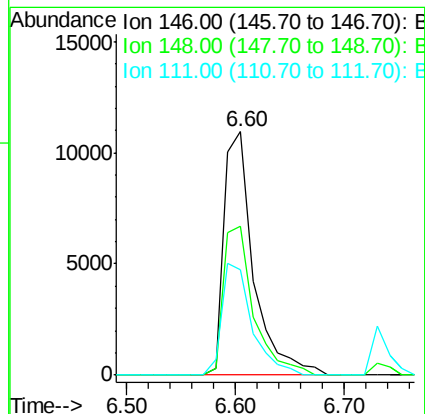
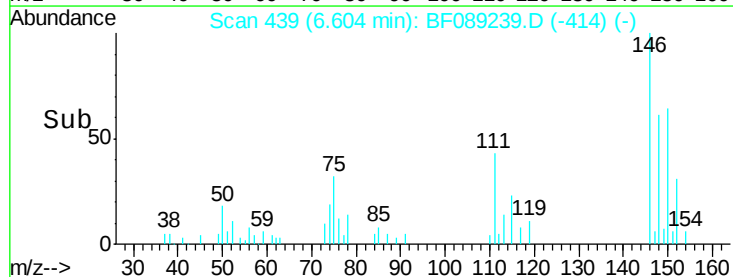
111 43.2 39.8 59.6

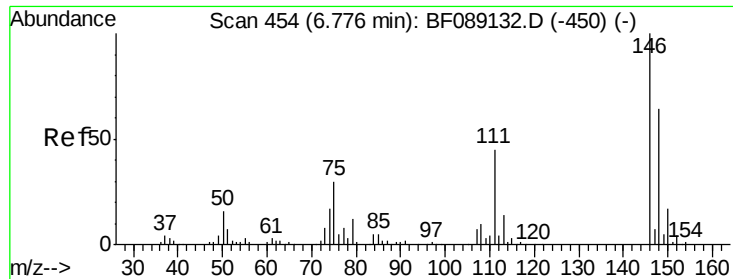


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 6.11 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.17 min

Lab File: BF089239.D

Acq: 23 Jul 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GW-10-6.0-15.0

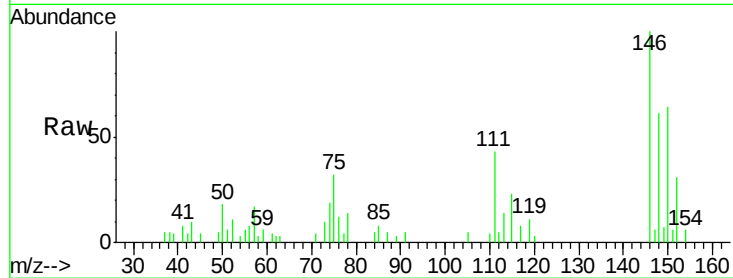
Tgt Ion:146 Resp: 20667

Ion Ratio Lower Upper

146 100

148 61.0 51.4 77.0

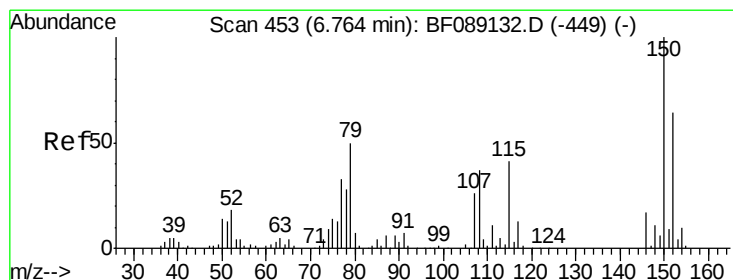
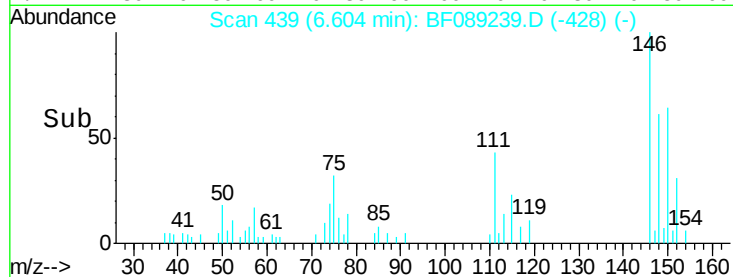
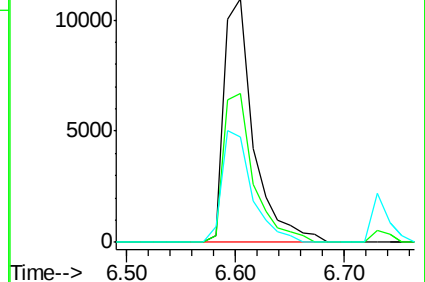
111 43.2 35.9 53.9



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 2.06 ng

RT: 6.73 min Scan# 450

Delta R.T. -0.03 min

Lab File: BF089239.D

Acq: 23 Jul 2016 16:05

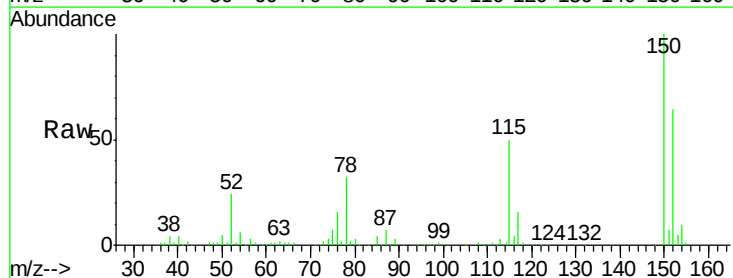
Tgt Ion: 79 Resp: 5657

Ion Ratio Lower Upper

79 100

108 27.9 58.2 87.4#

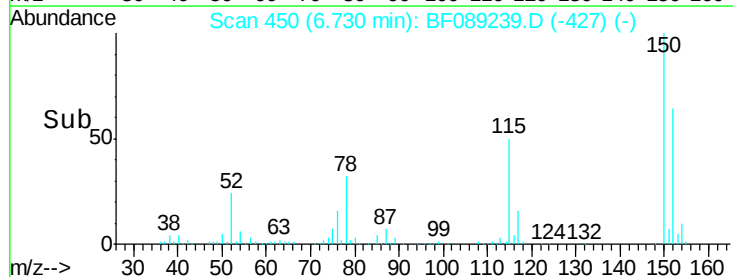
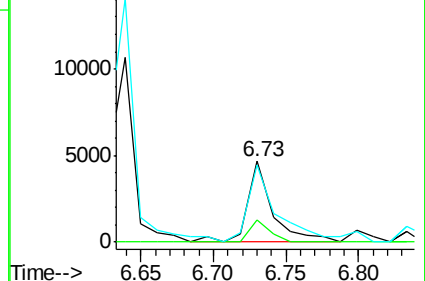
77 96.0 52.2 78.4#

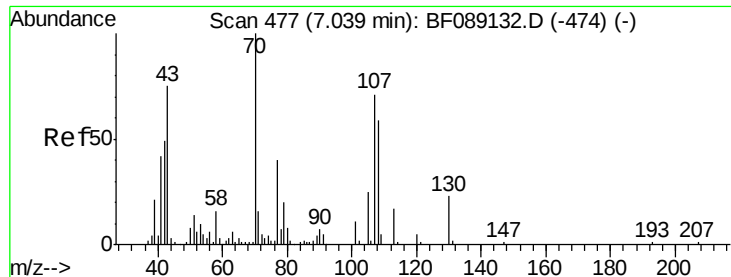


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

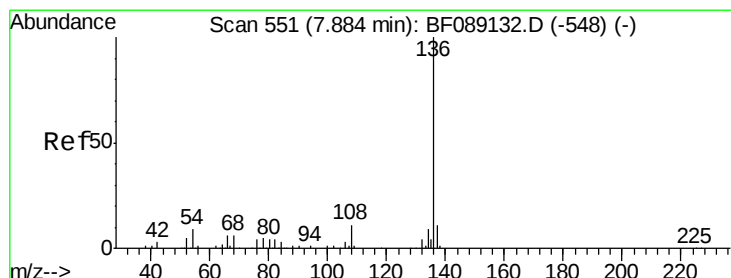
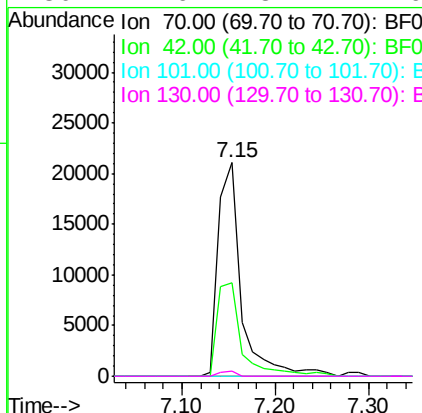
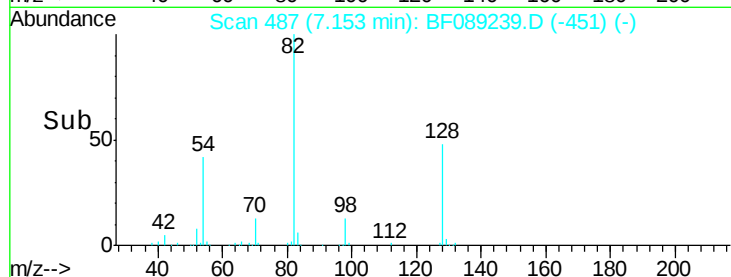
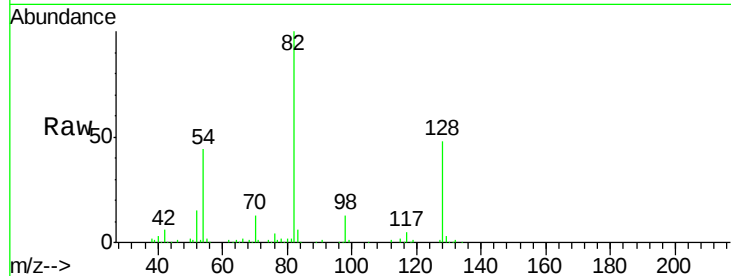




#19
n-Nitroso-di-n-propylamine
Concen: 14.73 ng
RT: 7.15 min Scan# 487
Delta R.T. 0.11 min
Lab File: BF089239.D
Acq: 23 Jul 2016 16:05

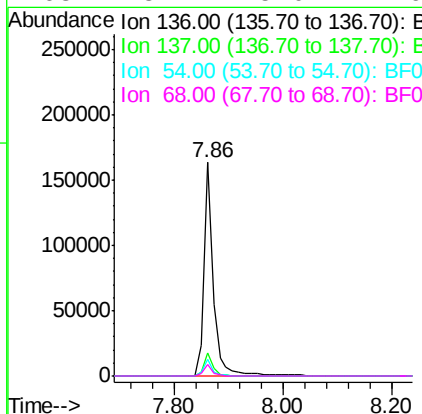
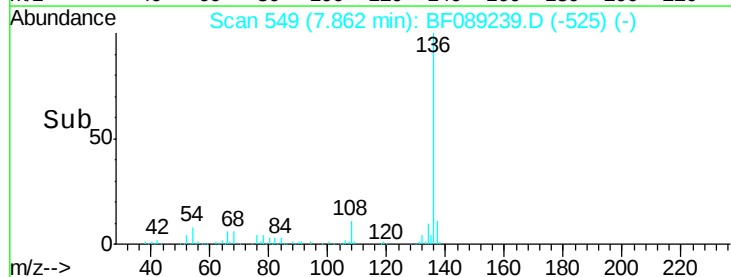
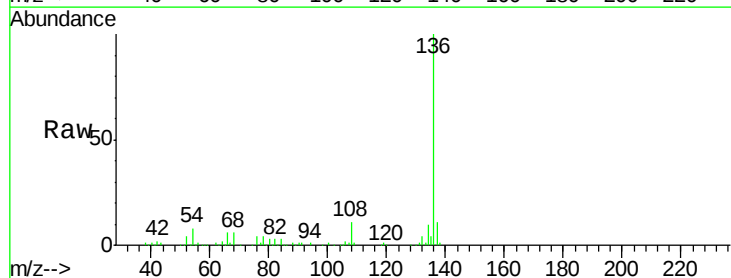
Instrument :
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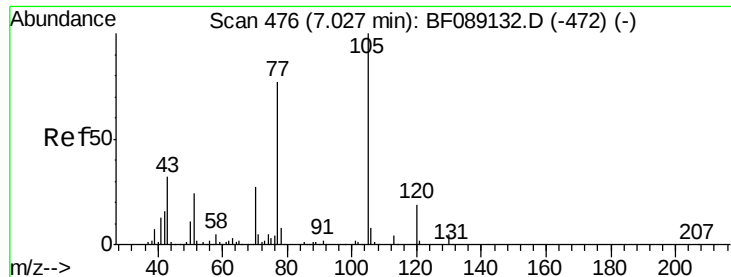
Tgt Ion: 70 Resp: 36096
Ion Ratio Lower Upper
70 100
42 44.0 39.2 58.8
101 0.0 8.5 12.7#
130 2.6 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.02 min
Lab File: BF089239.D
Acq: 23 Jul 2016 16:05

Tgt Ion: 136 Resp: 195172
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.6 7.0 10.4
68 5.7 5.0 7.6





#22

Acetophenone

Concen: 4.25 ng

RT: 7.00 min Scan# 474

Delta R.T. -0.02 min

Lab File: BF089239.D

Acq: 23 Jul 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GW-10-6.0-15.0

Tgt Ion:105 Resp: 22137

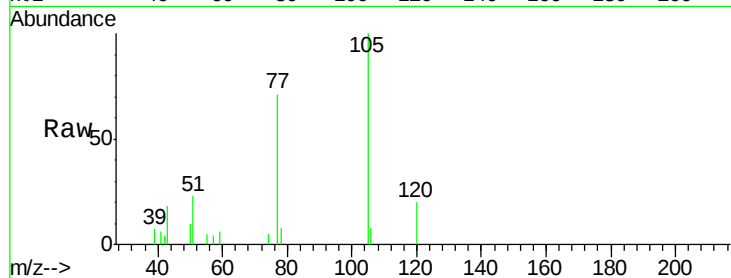
Ion Ratio Lower Upper

105 100

71 0.0 3.8 5.6#

51 22.6 19.6 29.4

120 19.6 15.5 23.3

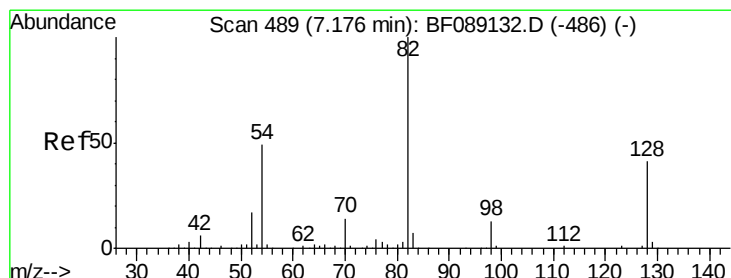
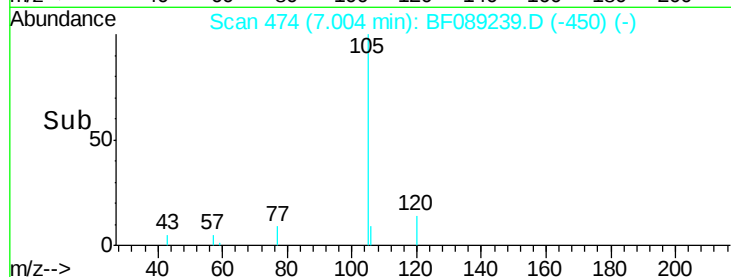
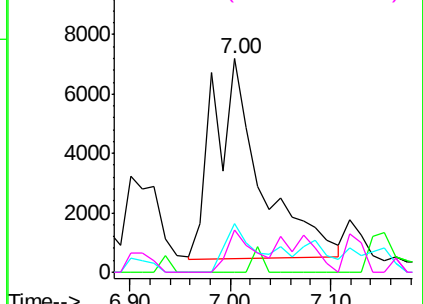


Abundance Ion 105.00 (104.70 to 105.70): E

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: 72.96 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.02 min

Lab File: BF089239.D

Acq: 23 Jul 2016 16:05

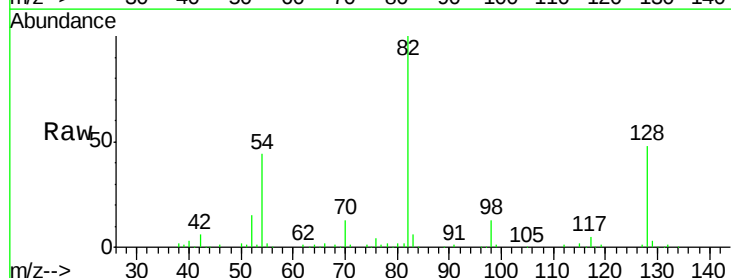
Tgt Ion: 82 Resp: 267999

Ion Ratio Lower Upper

82 100

128 48.0 33.0 49.6

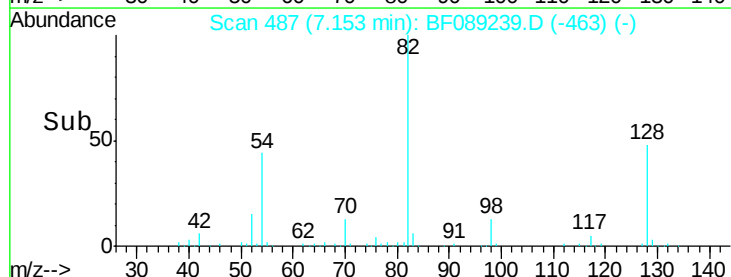
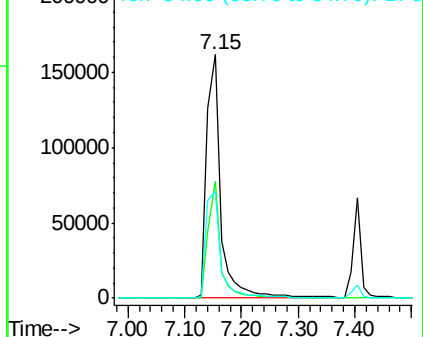
54 43.7 39.0 58.4

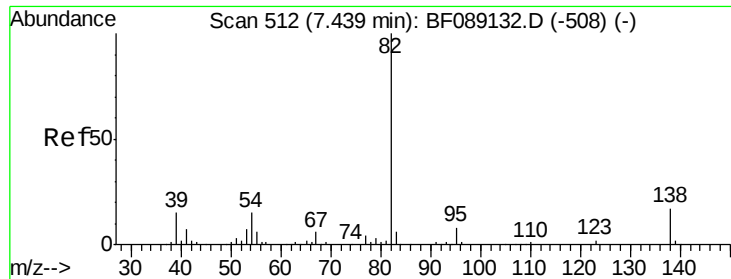


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 9.75 ng

RT: 7.40 min Scan# 509

Delta R.T. -0.03 min

Lab File: BF089239.D

Acq: 23 Jul 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GW-10-6.0-15.0

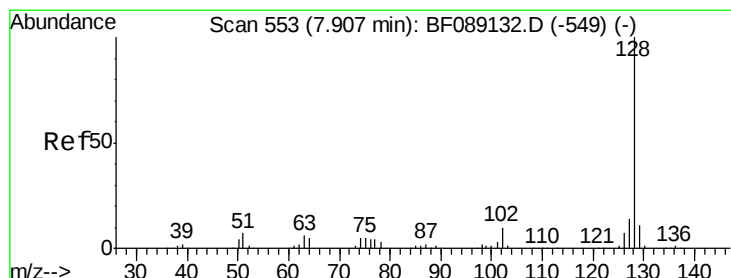
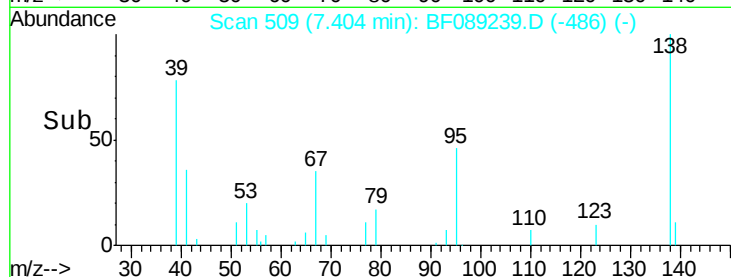
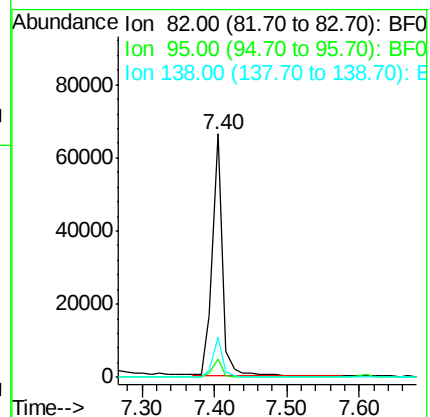
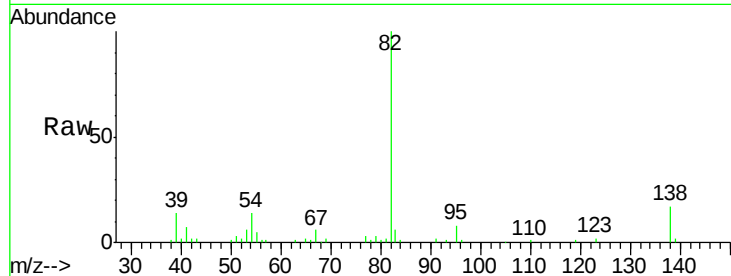
Tgt Ion: 82 Resp: 65983

Ion Ratio Lower Upper

82 100

95 7.7 6.1 9.1

138 16.7 13.6 20.4



#31

Naphthalene

Concen: 7.87 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.02 min

Lab File: BF089239.D

Acq: 23 Jul 2016 16:05

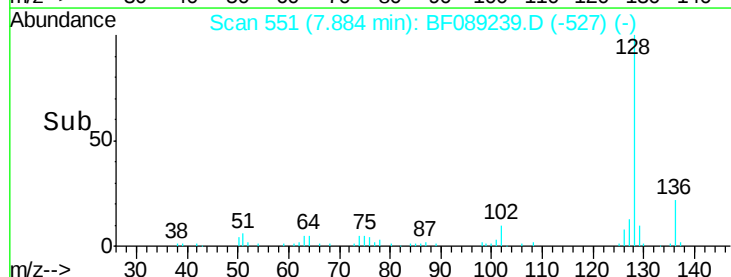
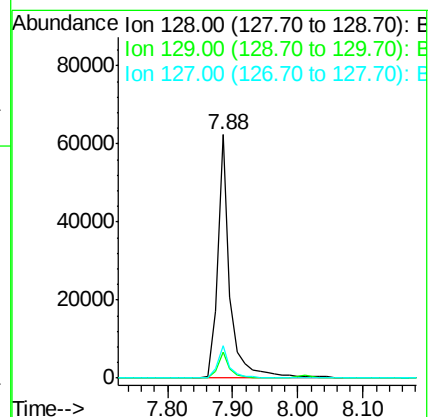
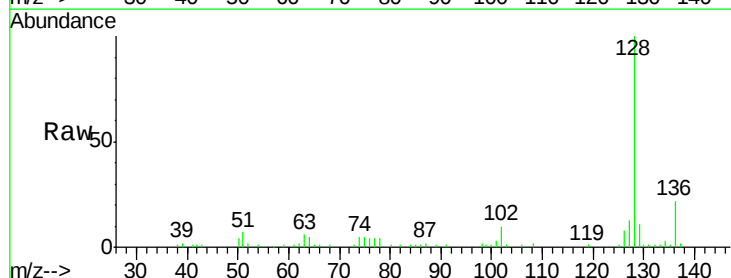
Tgt Ion: 128 Resp: 82893

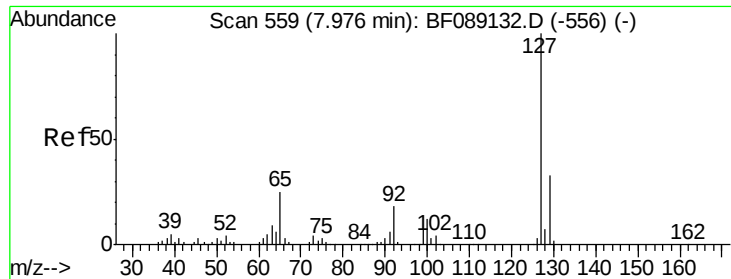
Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 13.4 10.8 16.2

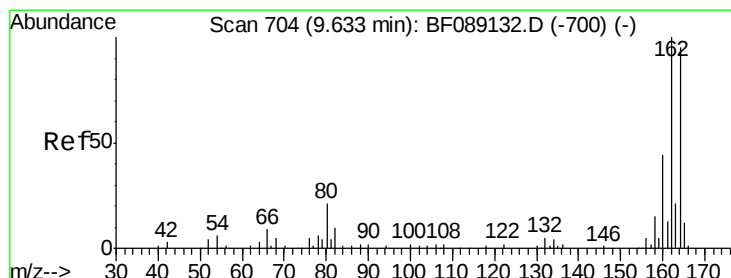
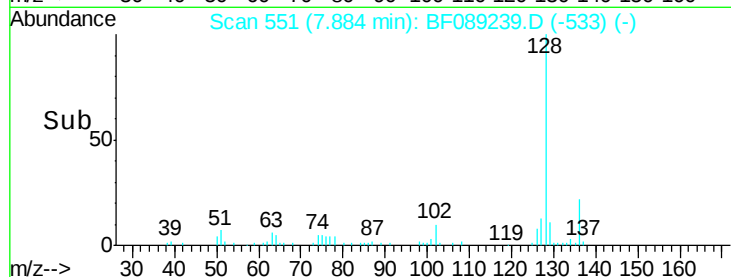
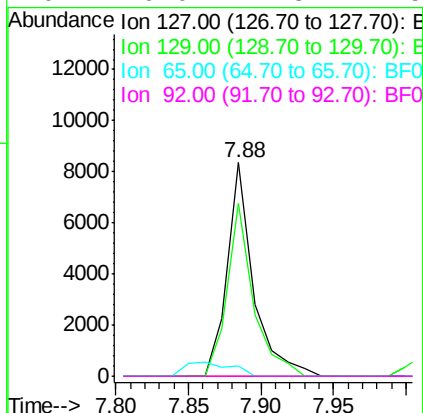
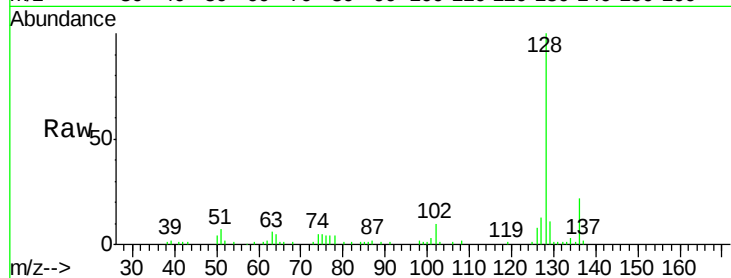




#33
4-Chloroaniline
Concen: 2.37 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.09 min
Lab File: BF089239.D
Acq: 23 Jul 2016 16:05

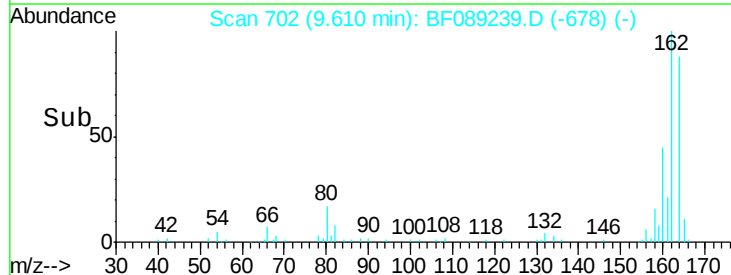
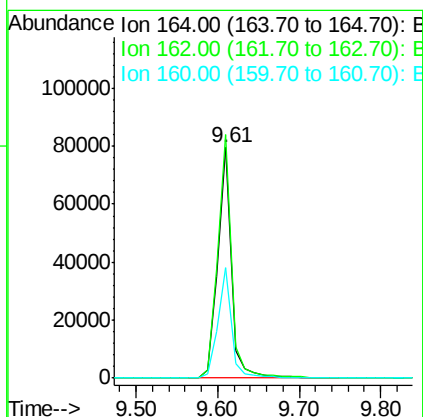
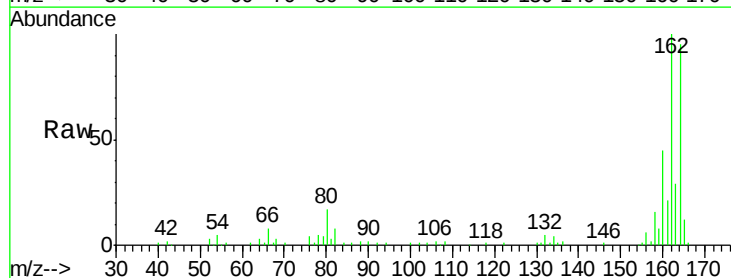
Instrument :
BNA_F
ClientSampleId :
GW-10-6.0-15.0

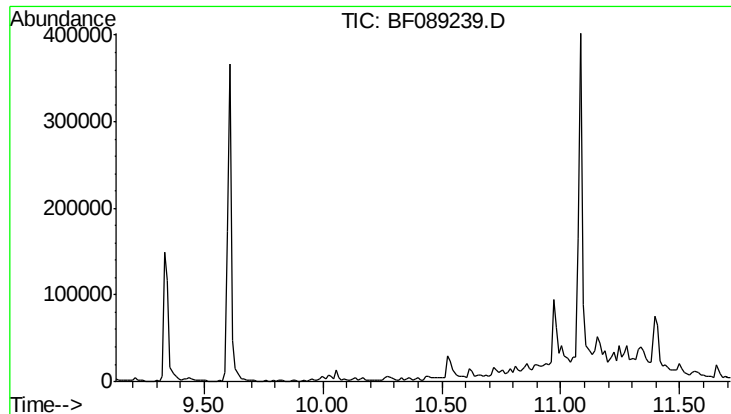
Tgt Ion:	127	Resp:	10509
Ion	Ratio	Lower	Upper
127	100		
129	81.0	25.9	38.9#
65	4.9	19.7	29.5#
92	0.0	14.3	21.5#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF089239.D
Acq: 23 Jul 2016 16:05

Tgt Ion:	164	Resp:	92628
Ion	Ratio	Lower	Upper
164	100		
162	105.7	84.1	126.1
160	48.0	37.1	55.7





#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 10.42 min

Lab File: BF089239.D

Acq: 23 Jul 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GW-10-6.0-15.0

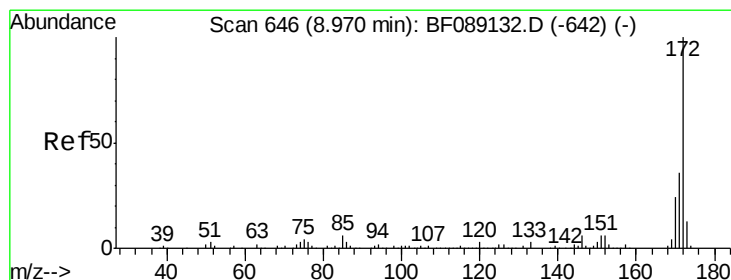
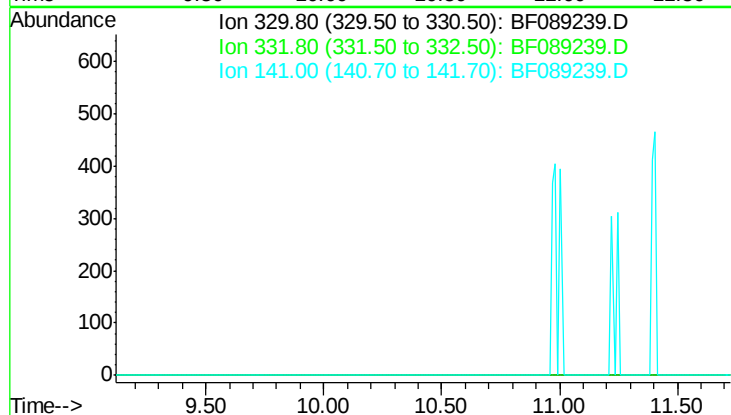
Tgt Ion: 330

Sig Exp Ratio

330 100

332 96.5

141 52.7



#44

2-Fluorobiphenyl

Concen: 75.89 ng

RT: 8.95 min Scan# 644

Delta R.T. -0.02 min

Lab File: BF089239.D

Acq: 23 Jul 2016 16:05

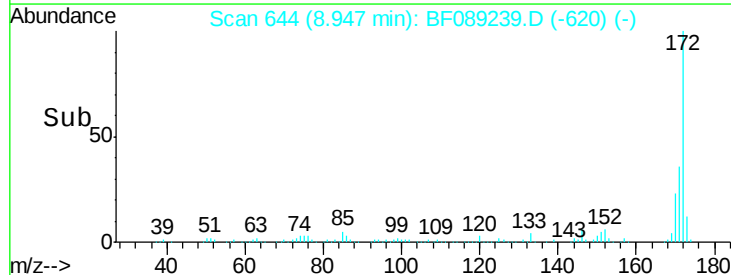
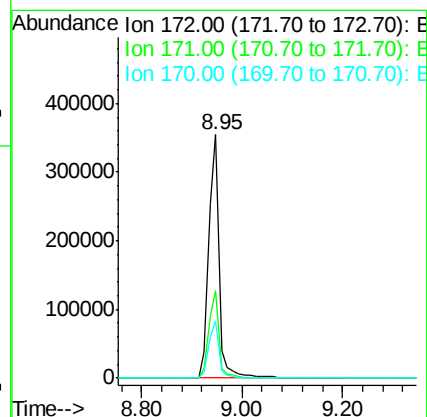
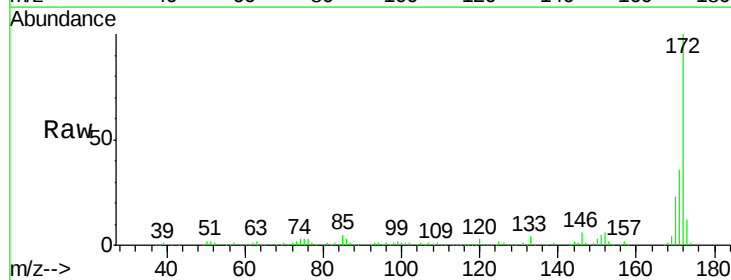
Tgt Ion:172 Resp: 510180

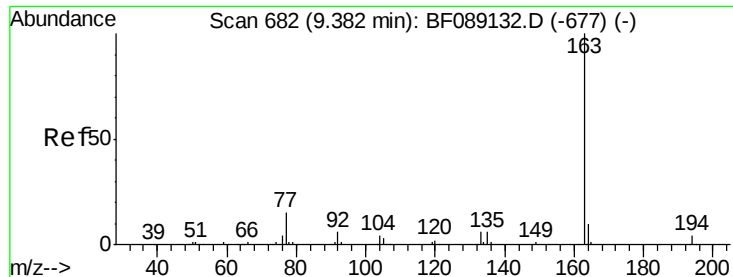
Ion Ratio Lower Upper

172 100

171 35.8 29.2 43.8

170 23.4 19.1 28.7

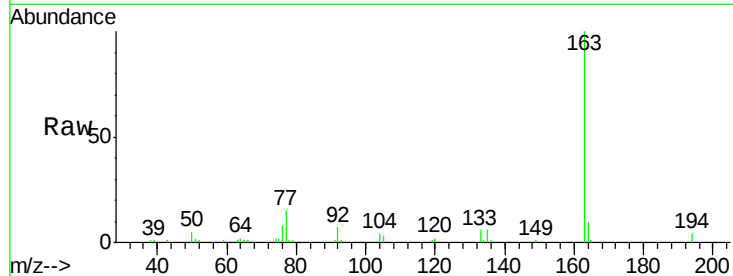




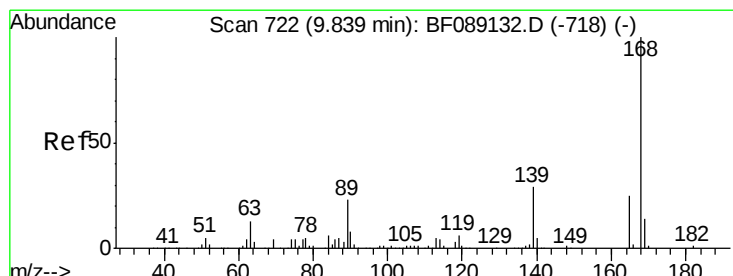
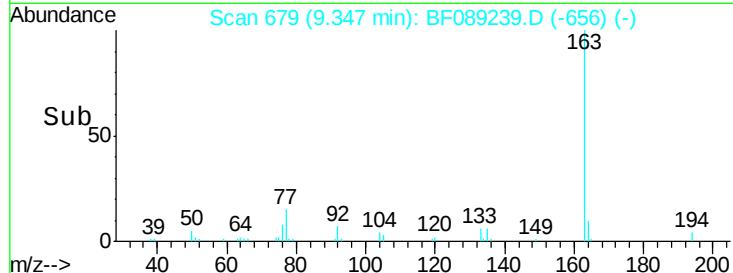
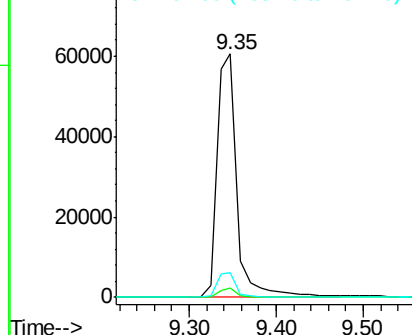
#49
Dimethylphthalate
Concen: 13.67 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.03 min
Lab File: BF089239.D
Acq: 23 Jul 2016 16:05

Instrument :
BNA_F
ClientSampleId :
GW-10-6.0-15.0

Tgt Ion:163 Resp: 97155
Ion Ratio Lower Upper
163 100
194 3.8 2.9 4.3
164 10.1 7.6 11.4

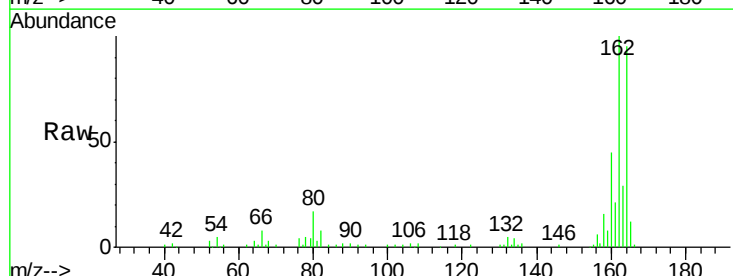


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

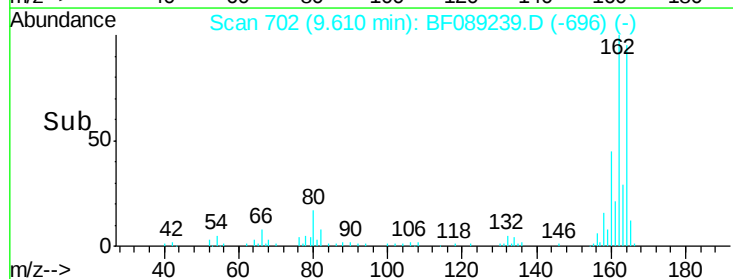
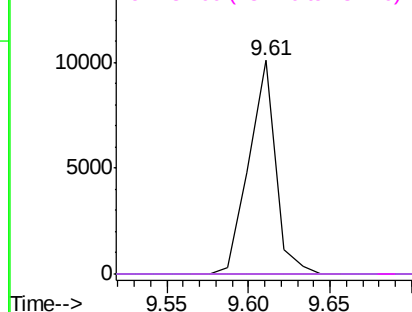


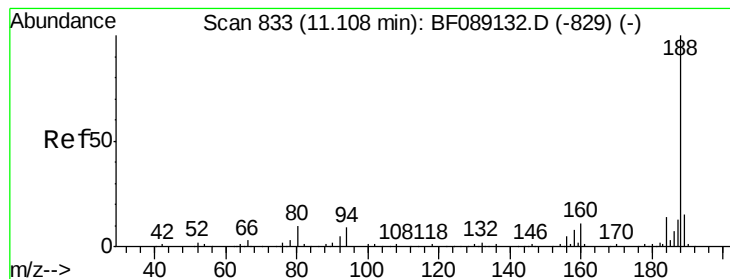
#56
2,4-Dinitrotoluene
Concen: 5.54 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.23 min
Lab File: BF089239.D
Acq: 23 Jul 2016 16:05

Tgt Ion:165 Resp: 11458
Ion Ratio Lower Upper
165 100
63 0.0 55.4 83.2#
89 0.0 74.3 111.5#
182 0.0 2.0 3.0#



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: 11.08 min Scan# 831

Delta R.T. -0.02 min

Lab File: BF089239.D

Acq: 23 Jul 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GW-10-6.0-15.0

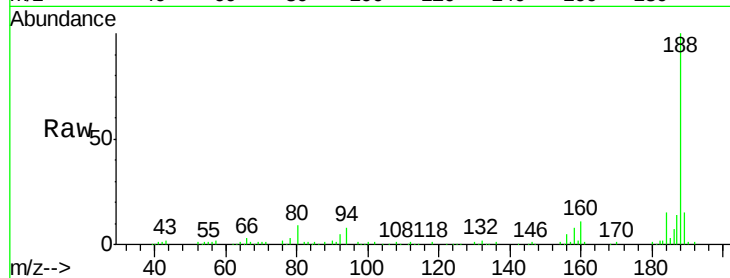
Tgt Ion:188 Resp: 177926

Ion Ratio Lower Upper

188 100

94 7.7 7.0 10.4

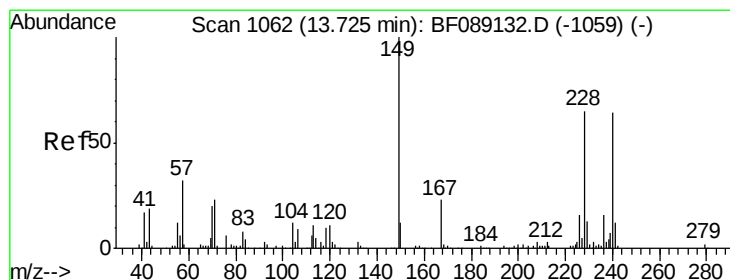
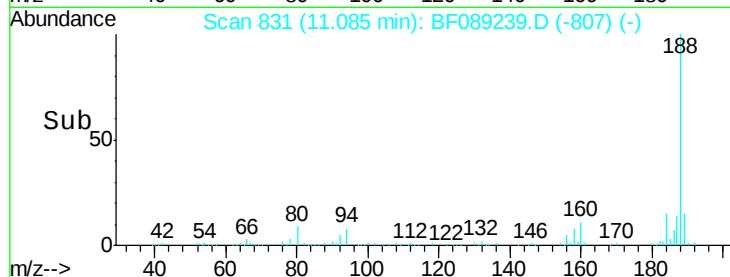
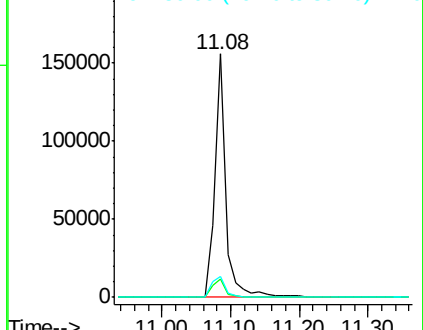
80 8.5 7.7 11.5



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.02 min

Lab File: BF089239.D

Acq: 23 Jul 2016 16:05

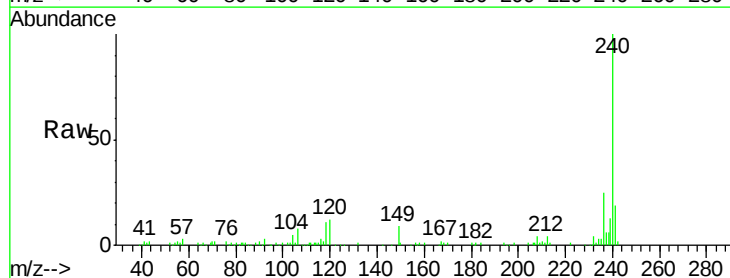
Tgt Ion:240 Resp: 133789

Ion Ratio Lower Upper

240 100

120 11.6 13.6 20.4#

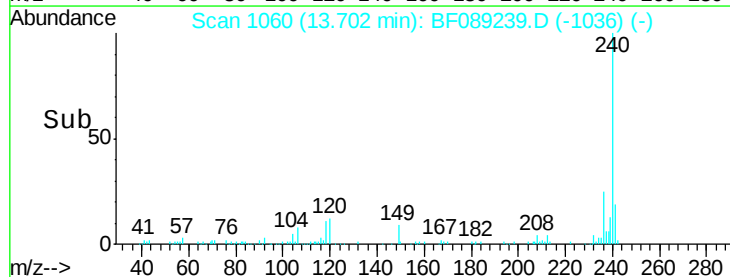
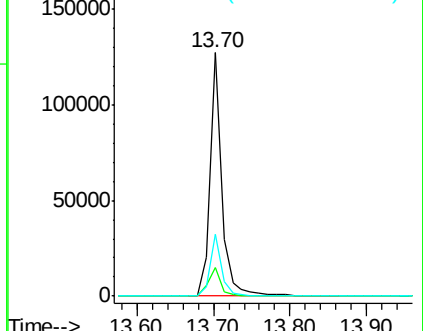
236 25.2 20.5 30.7

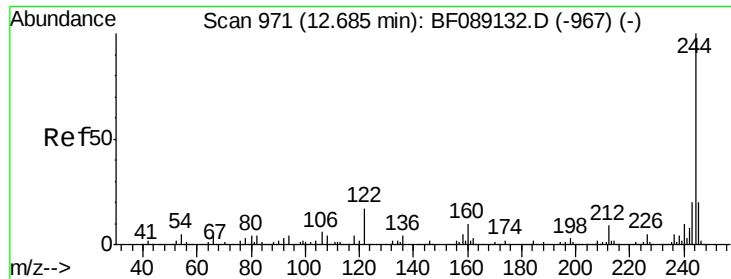


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

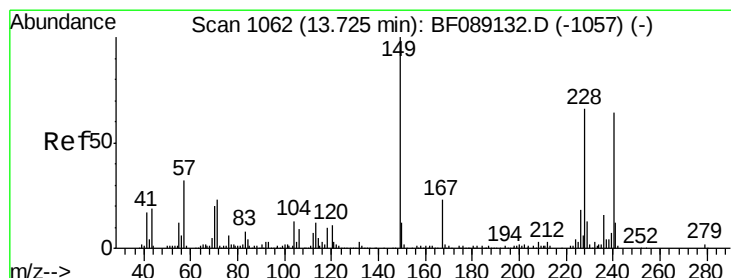
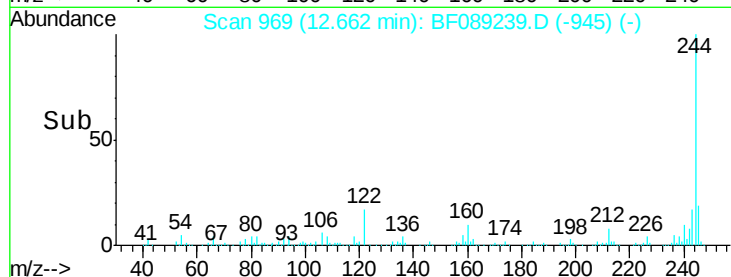
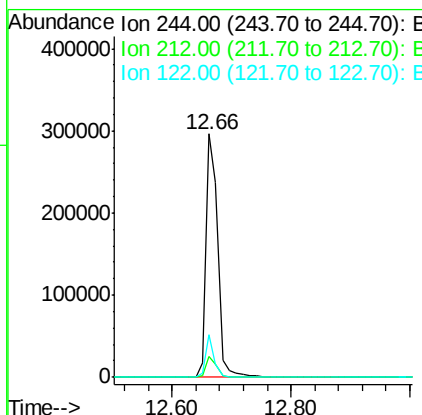
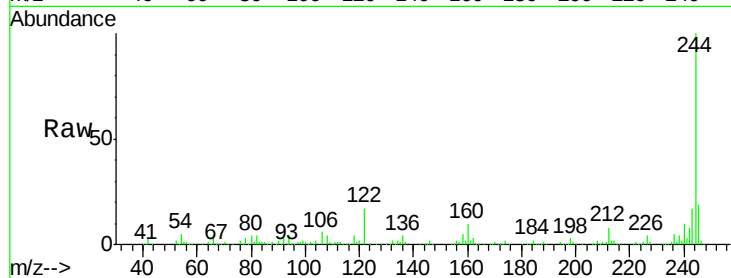




#78
 Terphenyl-d14
 Concen: 66.52 ng
 RT: 12.66 min Scan# 969
 Delta R.T. -0.02 min
 Lab File: BF089239.D
 Acq: 23 Jul 2016 16:05

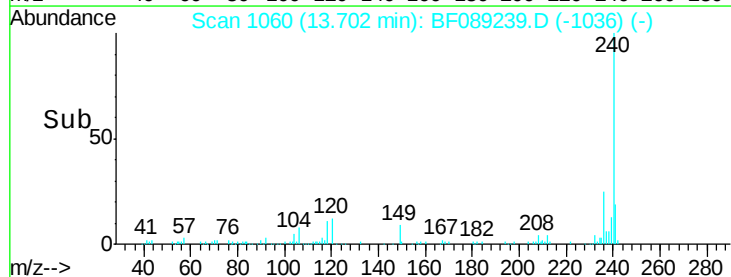
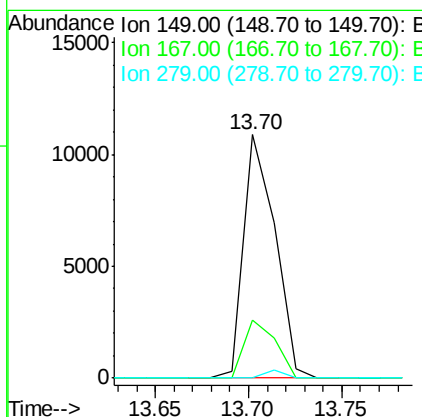
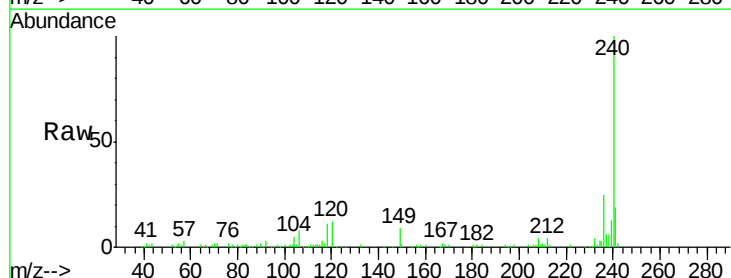
Instrument :
 BNA_F
 ClientSampleId :
 GW-10-6.0-15.0

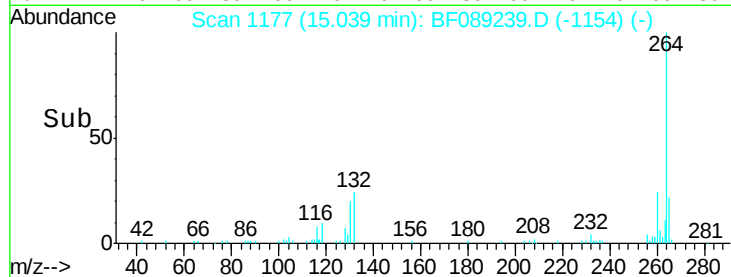
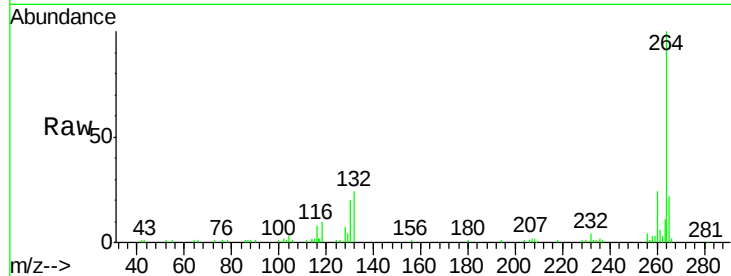
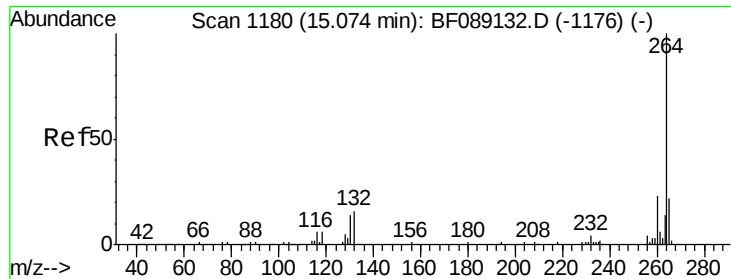
Tgt Ion: 244 Resp: 410302
 Ion Ratio Lower Upper
 244 100
 212 8.4 7.0 10.4
 122 17.3 13.8 20.8



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.05 ng
 RT: 13.70 min Scan# 1060
 Delta R.T. -0.02 min
 Lab File: BF089239.D
 Acq: 23 Jul 2016 16:05

Tgt Ion: 149 Resp: 12717
 Ion Ratio Lower Upper
 149 100
 167 23.7 18.6 28.0
 279 0.0 1.6 2.4#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.04 min Scan# 1177

Delta R.T. -0.03 min

Lab File: BF089239.D

Acq: 23 Jul 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GW-10-6.0-15.0

Tgt Ion:264 Resp: 97996

Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

265 21.8 17.3 25.9

