

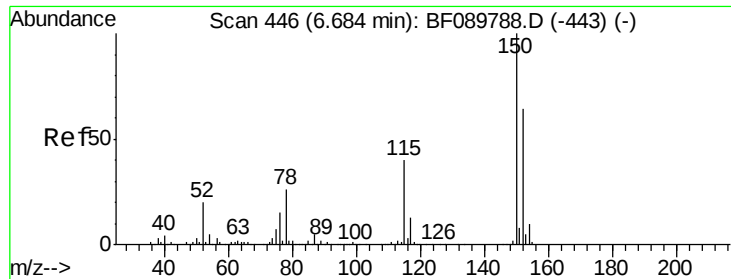
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
 Data File : BF089922.D
 Acq On : 26 Aug 2016 22:00
 Operator : UM/SJ
 Sample : H4597-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-104

Quant Time: Aug 26 23:26:02 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 26 18:51:25 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	361200	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1302077	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	657387	20.00	ng	-0.01
63) Phenanthrene-d10	11.15	188	1234759	20.00	ng	0.00
75) Chrysene-d12	13.77	240	1004369	20.00	ng	-0.01
86) Perylene-d12	15.12	264	845375	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	988996	46.96	ng	0.00
7) Phenol-d6	6.28	99	866162	33.50	ng	-0.01
23) Nitrobenzene-d5	7.22	82	1762057	84.07	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	600483	96.12	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	2548118	68.13	ng	0.00
78) Terphenyl-d14	12.74	244	2195099	49.44	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.65	142	163152	4.14	ng	99
49) Dimethylphthalate	9.40	163	173863	3.76	ng	99
51) Acenaphthene	9.71	154	100460	2.51	ng	98
54) Dibenzofuran	9.88	168	111555	2.22	ng	# 63
57) Fluorene	10.23	166	194332	4.85	ng	100
70) Phenanthrene	11.18	178	238732	3.83	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 443

Delta R.T. -0.00 min

Lab File: BF089922.D

Acq: 26 Aug 2016 22:00

Instrument :

BNA_F

ClientSampleId :

MW-104

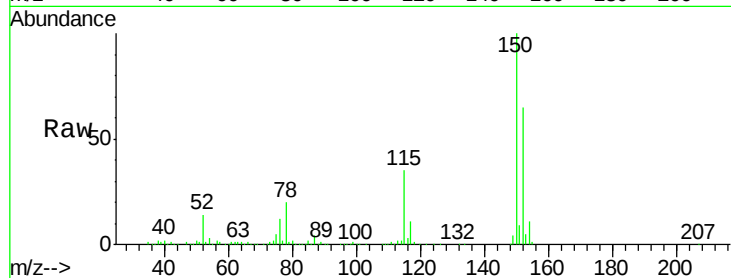
Tot Ion:152 Resp: 361200

Ion Ratio Lower Upper

152 100

150 153.6 125.3 187.9

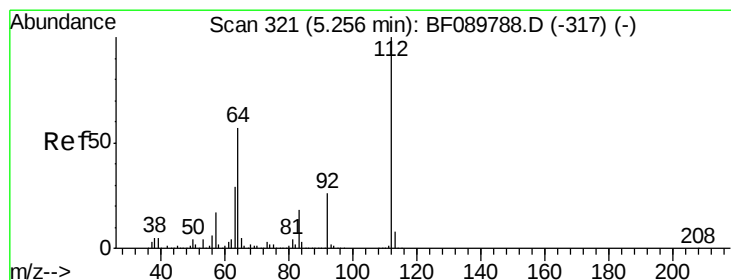
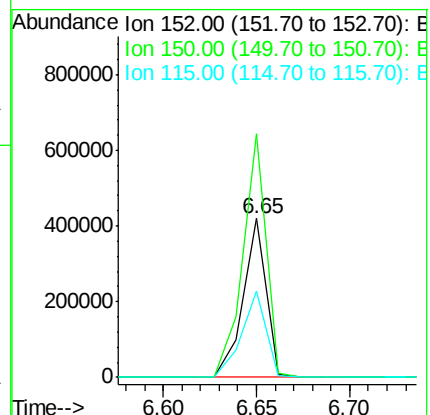
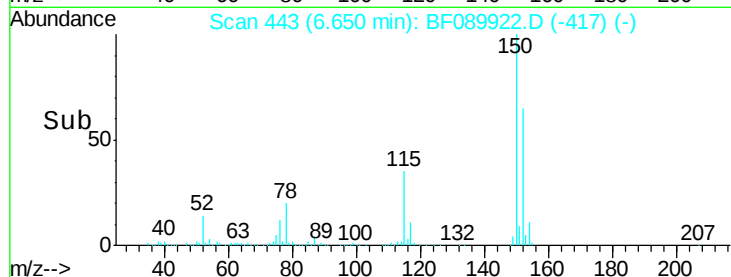
115 54.2 40.9 61.3



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



#5

2-Fluorophenol

Concen: 46.96 ng

RT: 5.22 min Scan# 318

Delta R.T. -0.00 min

Lab File: BF089922.D

Acq: 26 Aug 2016 22:00

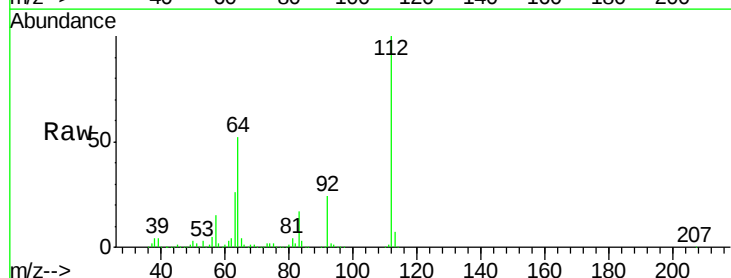
Tgt Ion:112 Resp: 988996

Ion Ratio Lower Upper

112 100

64 52.2 45.0 67.4

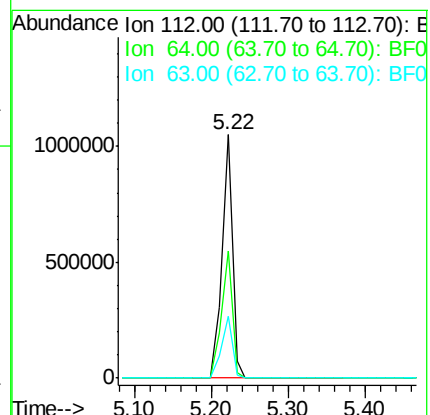
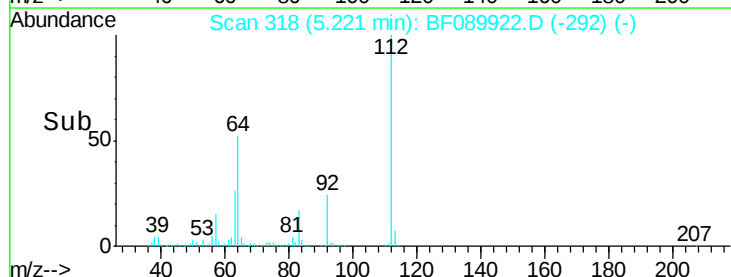
63 25.6 23.1 34.7



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: 33.50 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF089922.D

Acq: 26 Aug 2016 22:00

Instrument :

BNA_F

ClientSampleId :

MW-104

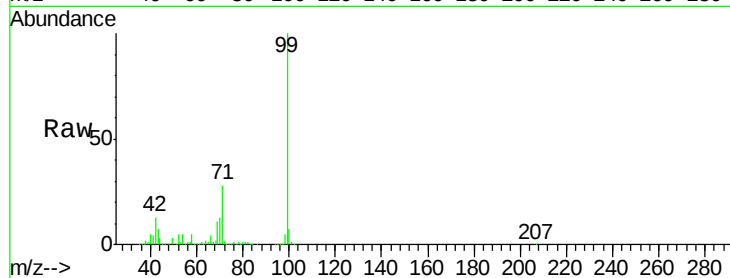
Tot Ion: 99 Resp: 866162

Ion Ratio Lower Upper

99 100

42 12.6 12.2 18.4

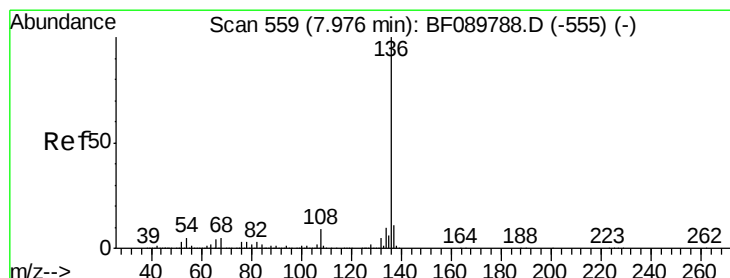
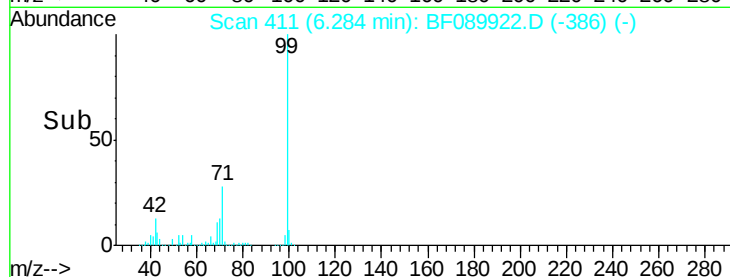
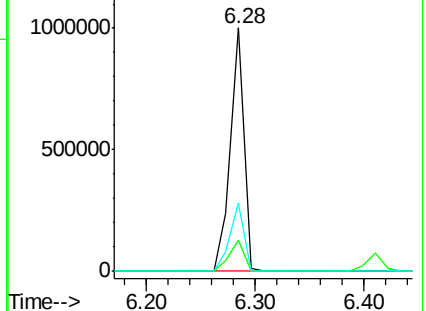
71 27.9 23.8 35.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.01 min

Lab File: BF089922.D

Acq: 26 Aug 2016 22:00

Tgt Ion: 136 Resp: 1302077

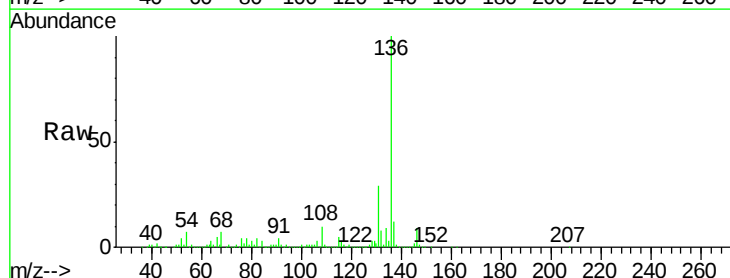
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 7.5 7.2 10.8

68 6.8 5.8 8.8

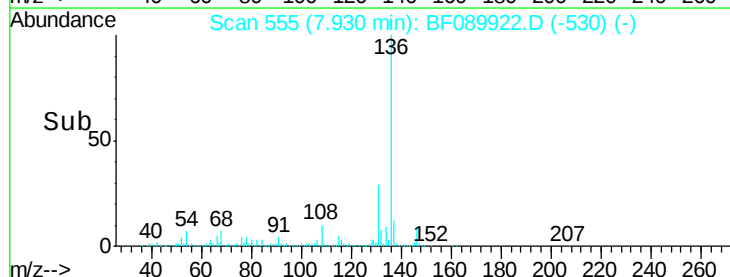
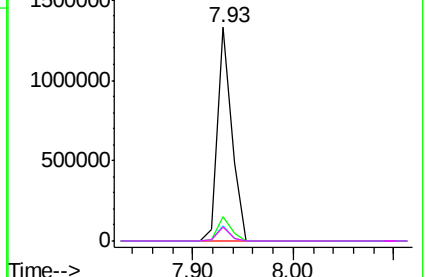


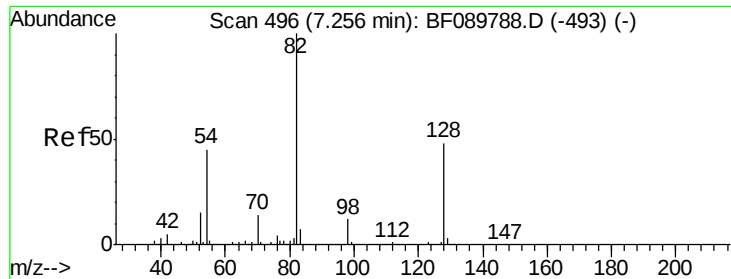
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

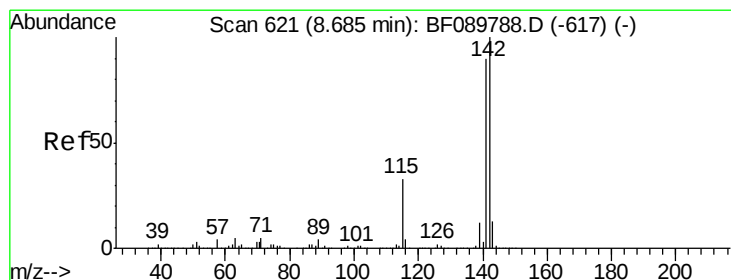
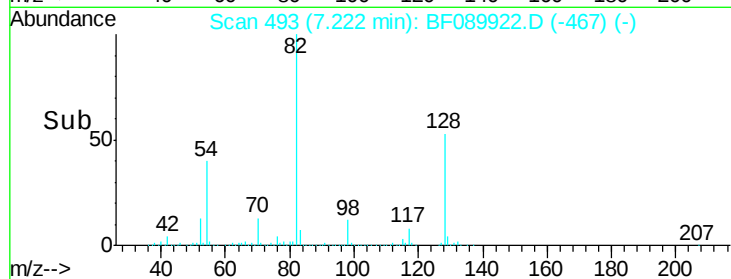
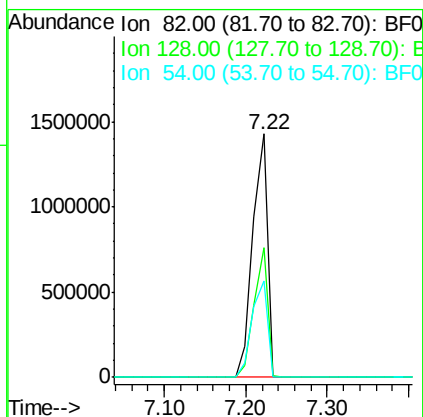
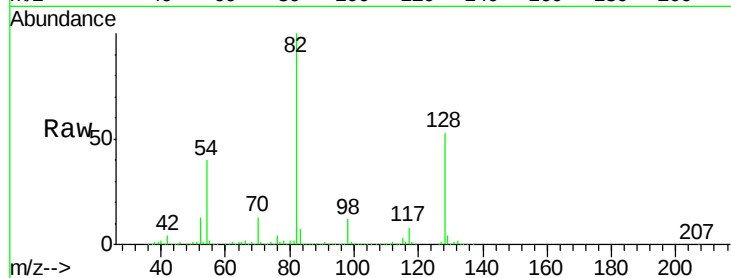




#23
Nitrobenzene-d5
Concen: 84.07 ng
RT: 7.22 min Scan# 493
Delta R.T. -0.00 min
Lab File: BF089922.D
Acq: 26 Aug 2016 22:00

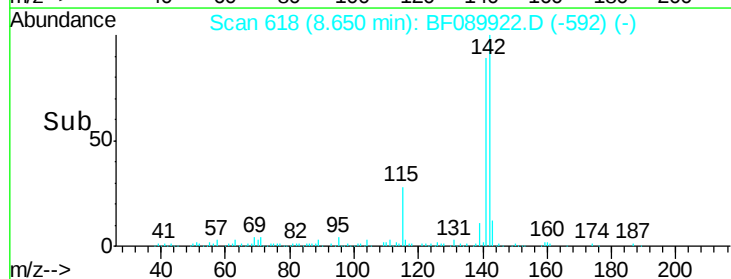
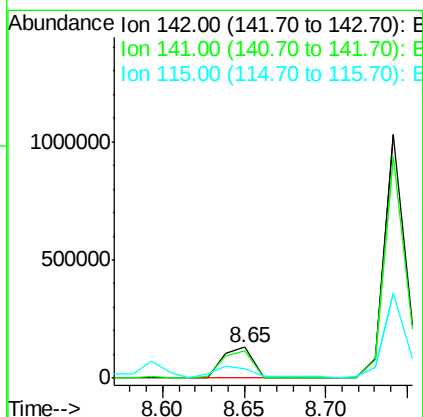
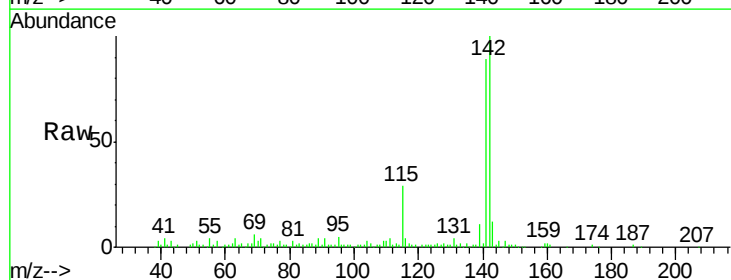
Instrument :
BNA_F
ClientSampleId :
MW-104

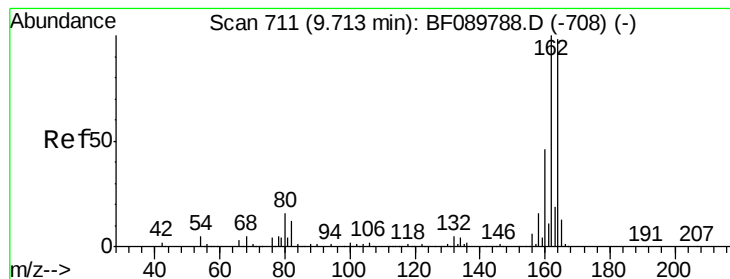
Tot Ion: 82 Resp: 1762057
Ion Ratio Lower Upper
82 100
128 53.4 34.4 51.6#
54 39.7 40.3 60.5#



#37
2-Methylnaphthalene
Concen: 4.14 ng
RT: 8.65 min Scan# 618
Delta R.T. -0.00 min
Lab File: BF089922.D
Acq: 26 Aug 2016 22:00

Tgt Ion:142 Resp: 163152
Ion Ratio Lower Upper
142 100
141 89.0 71.4 107.2
115 29.5 22.7 34.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF089922.D

Acq: 26 Aug 2016 22:00

Instrument :

BNA_F

ClientSampleId :

MW-104

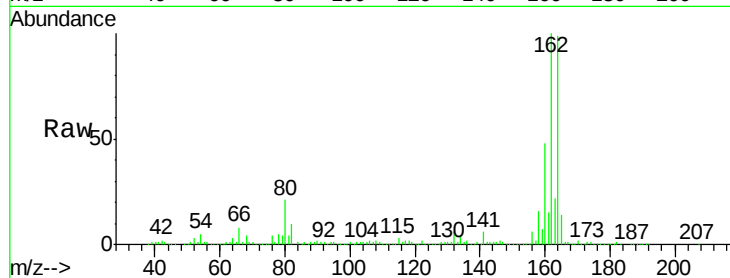
Tot Ion:164 Resp: 657387

Ion Ratio Lower Upper

164 100

162 100.8 81.4 122.2

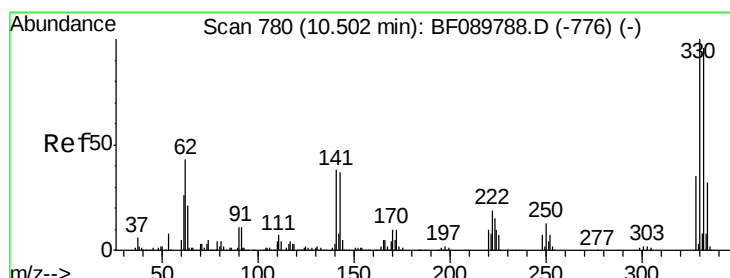
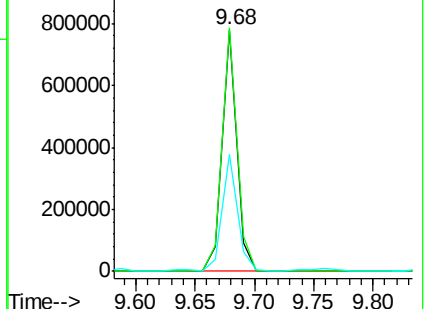
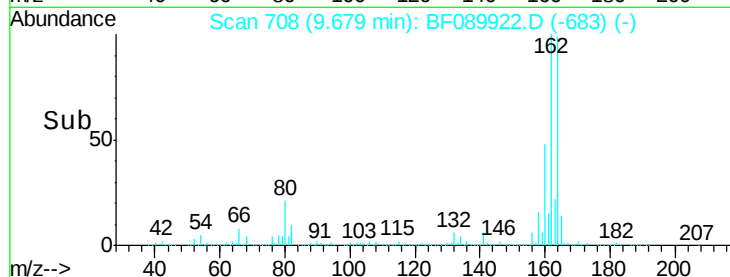
160 48.5 37.8 56.6



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: 96.12 ng

RT: 10.47 min Scan# 777

Delta R.T. -0.01 min

Lab File: BF089922.D

Acq: 26 Aug 2016 22:00

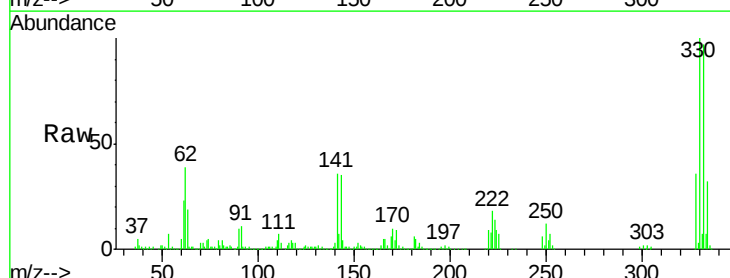
Tgt Ion:330 Resp: 600483

Ion Ratio Lower Upper

330 100

332 96.3 76.7 115.1

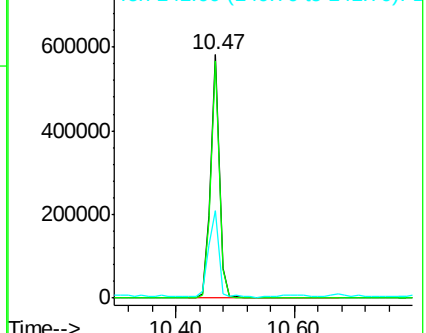
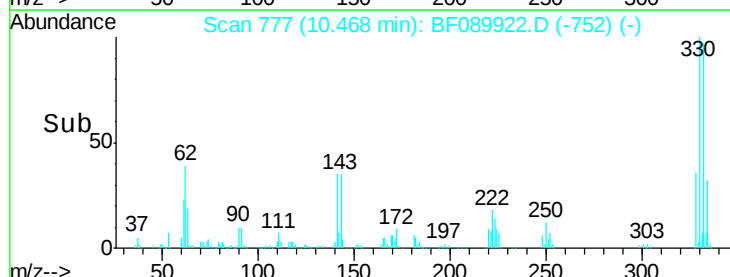
141 40.8 30.2 45.2

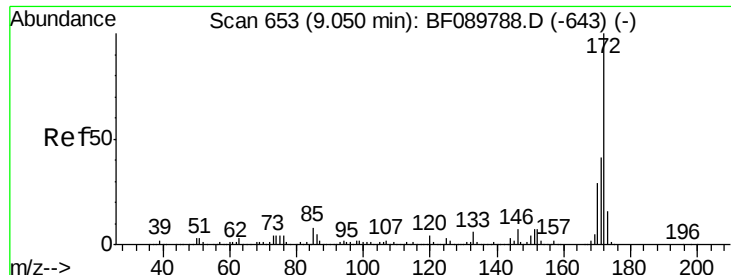


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

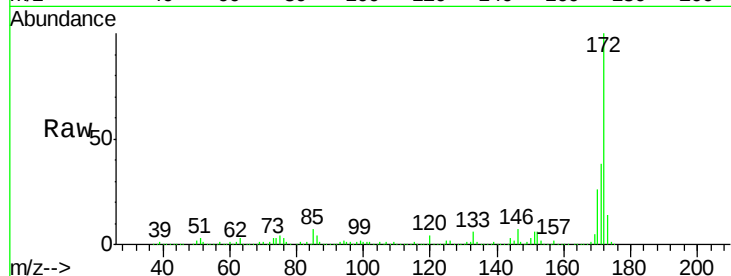




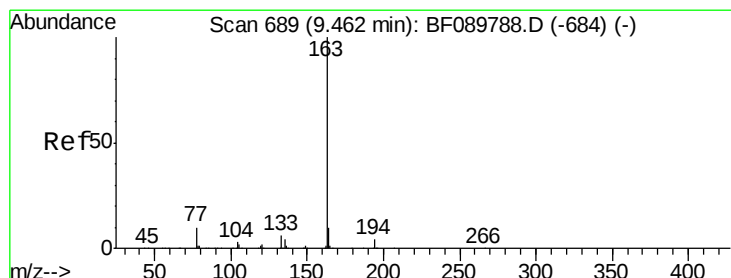
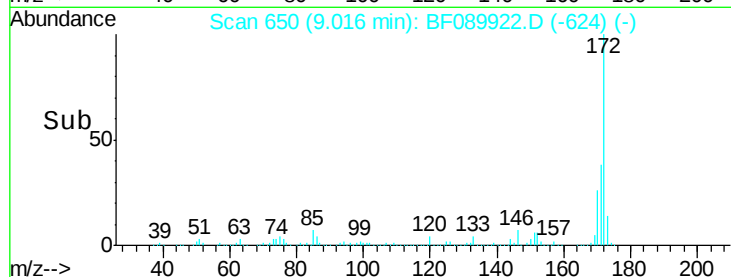
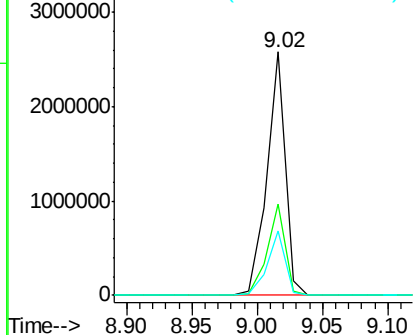
#44
 2-Fluorobiphenyl
 Concen: 68.13 ng
 RT: 9.02 min Scan# 650
 Delta R.T. -0.00 min
 Lab File: BF089922.D
 Acq: 26 Aug 2016 22:00

Instrument :
 BNA_F
 ClientSampleId :
 MW-104

Tot Ion:172 Resp: 2548118
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.5 45.7
 170 26.4 20.6 31.0

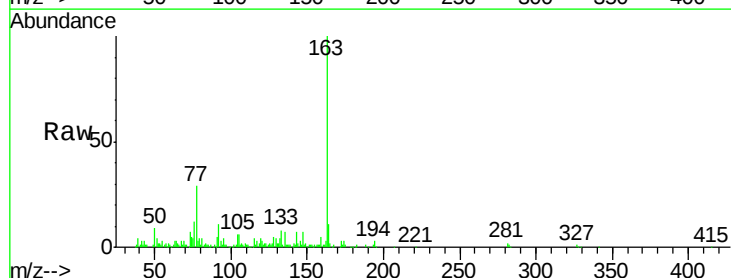


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

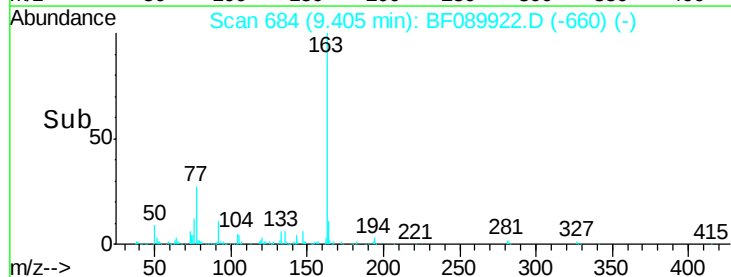
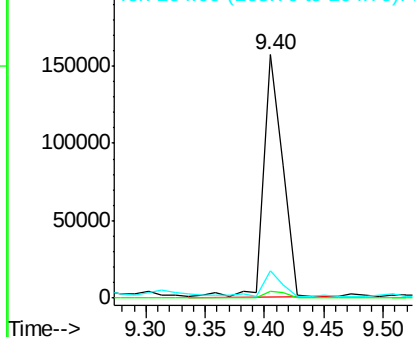


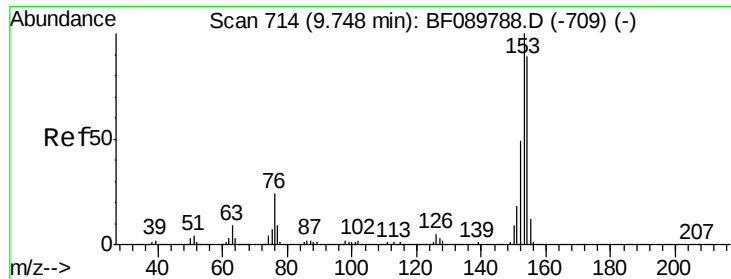
#49
 Dimethylphthalate
 Concen: 3.76 ng
 RT: 9.40 min Scan# 684
 Delta R.T. -0.02 min
 Lab File: BF089922.D
 Acq: 26 Aug 2016 22:00

Tgt Ion:163 Resp: 173863
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.6 3.8
 164 11.0 8.6 12.8



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





#51

Acenaphthene

Concen: 2.51 ng

RT: 9.71 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF089922.D

Acq: 26 Aug 2016 22:00

Instrument :

BNA_F

ClientSampleId :

MW-104

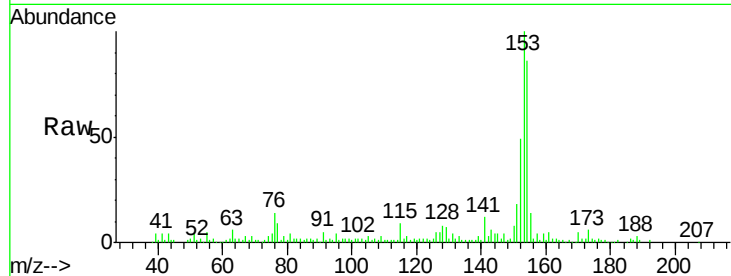
Tot Ion:154 Resp: 100460

Ion Ratio Lower Upper

154 100

153 115.7 90.5 135.7

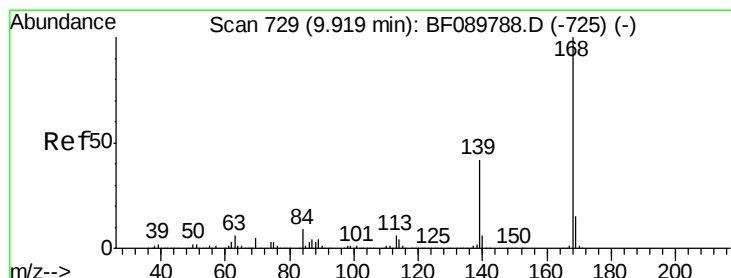
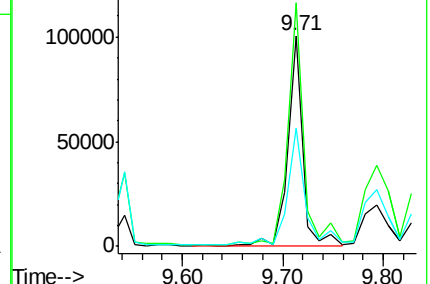
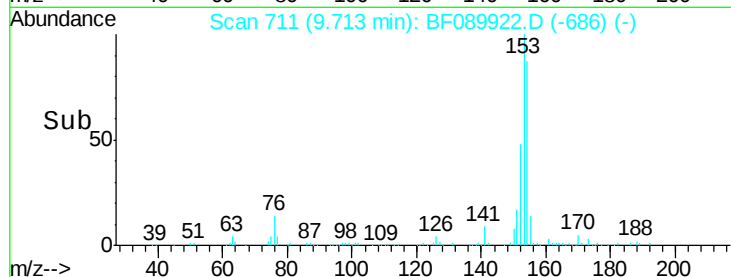
152 56.3 44.6 67.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.22 ng

RT: 9.88 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF089922.D

Acq: 26 Aug 2016 22:00

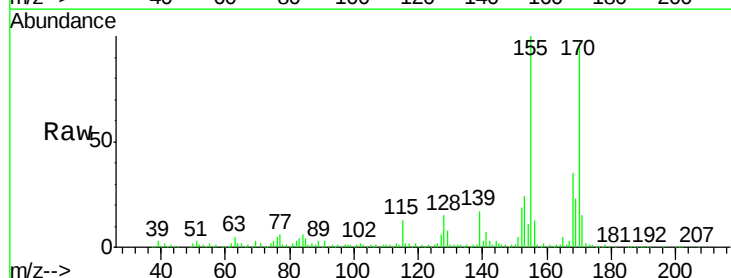
Tgt Ion:168 Resp: 111555

Ion Ratio Lower Upper

168 100

139 48.5 34.6 52.0

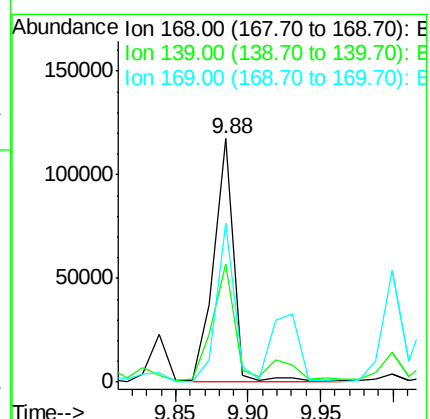
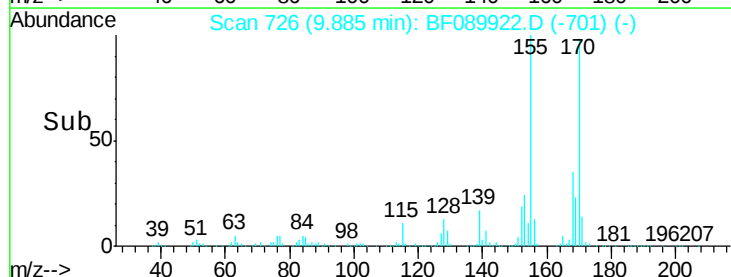
169 65.1 11.5 17.3#

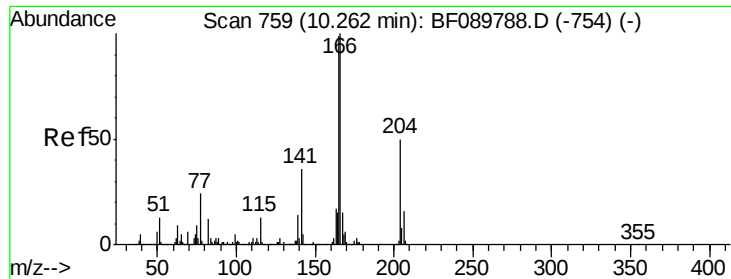


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

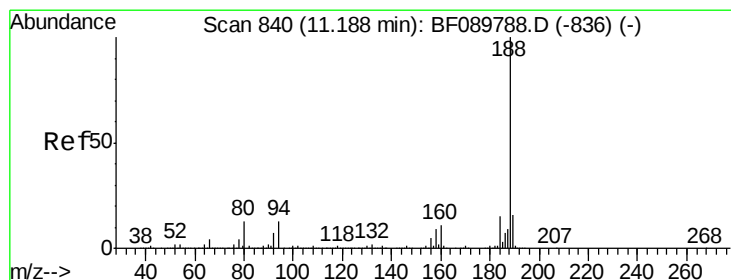
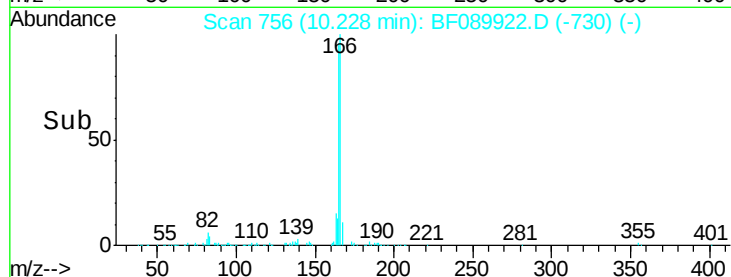
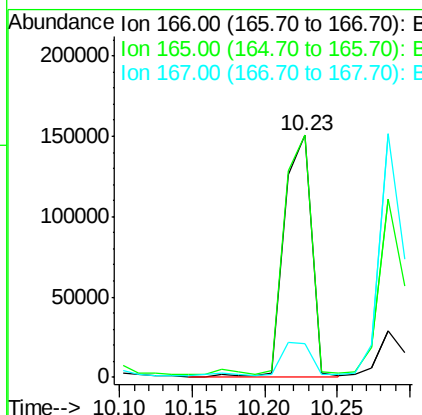
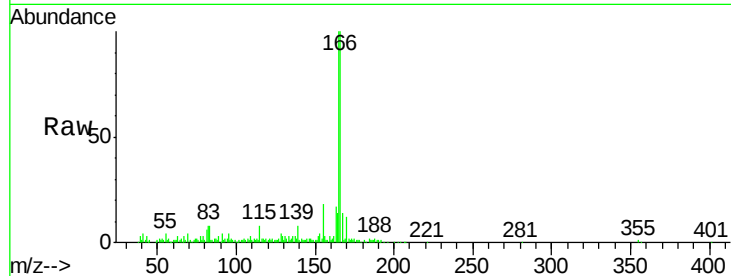




#57
Fluorene
 Concen: 4.85 ng
 RT: 10.23 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BF089922.D
 Acq: 26 Aug 2016 22:00

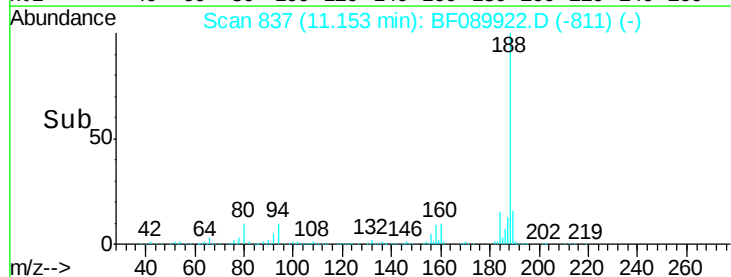
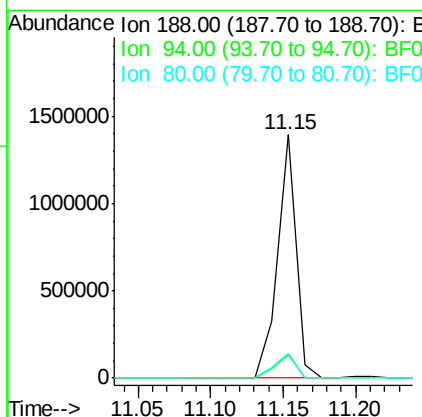
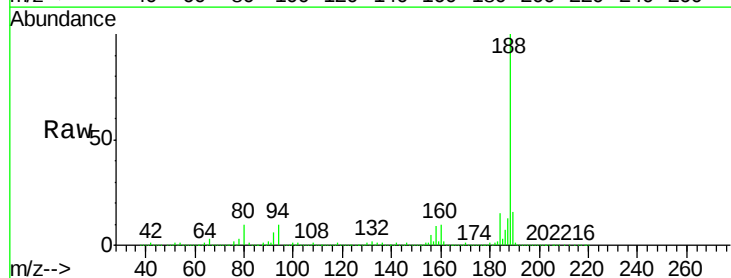
Instrument :
 BNA_F
 ClientSampleId :
 MW-104

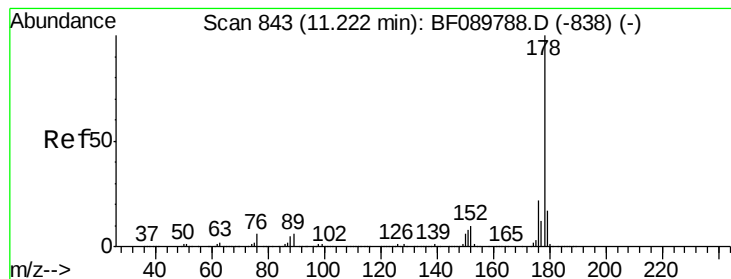
Tot Ion	Ratio	Lower	Upper
166	100		
165	100.3	80.2	120.4
167	13.7	11.3	16.9



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.00 min
 Lab File: BF089922.D
 Acq: 26 Aug 2016 22:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	10.2	15.2#
80	10.0	10.9	16.3#





#70

Phenanthrene

Concen: 3.83 ng

RT: 11.18 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF089922.D

Acq: 26 Aug 2016 22:00

Instrument :

BNA_F

ClientSampleId :

MW-104

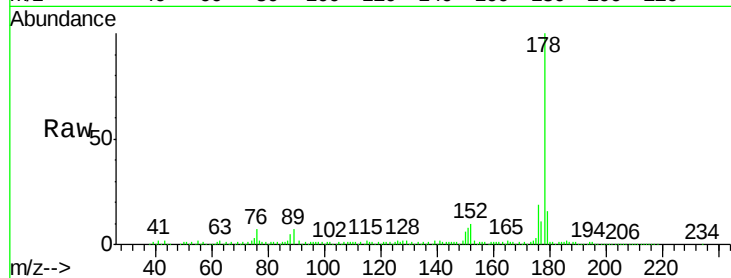
Tot Ion:178 Resp: 238732

Ion Ratio Lower Upper

178 100

176 19.2 16.4 24.6

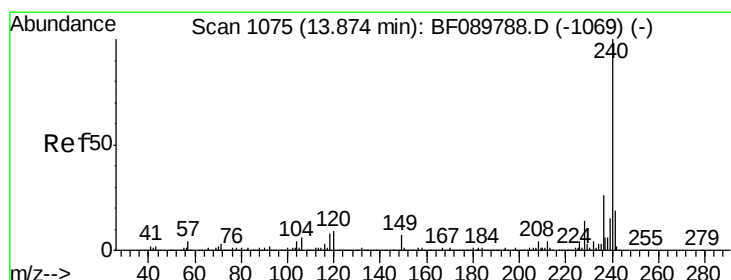
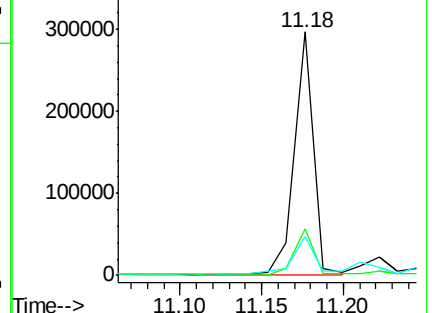
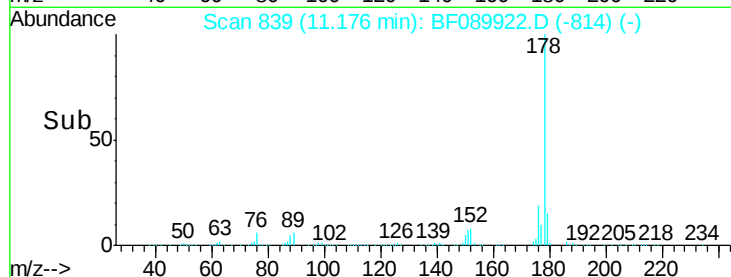
179 15.7 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF089922.D

Acq: 26 Aug 2016 22:00

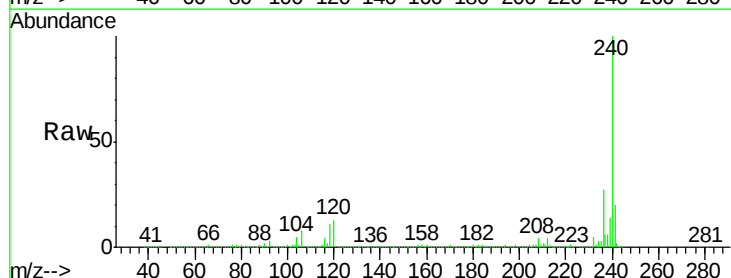
Tgt Ion:240 Resp: 1004369

Ion Ratio Lower Upper

240 100

120 12.9 8.3 12.5#

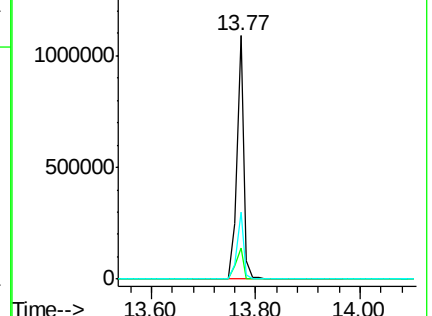
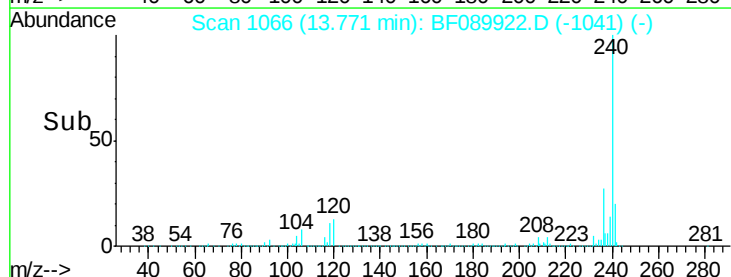
236 27.3 21.3 31.9

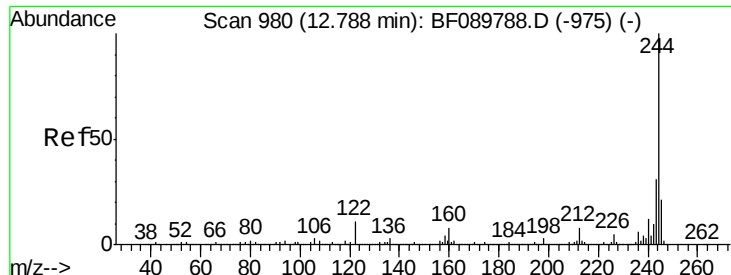


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

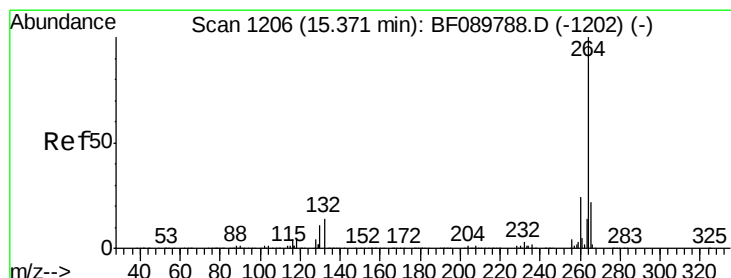
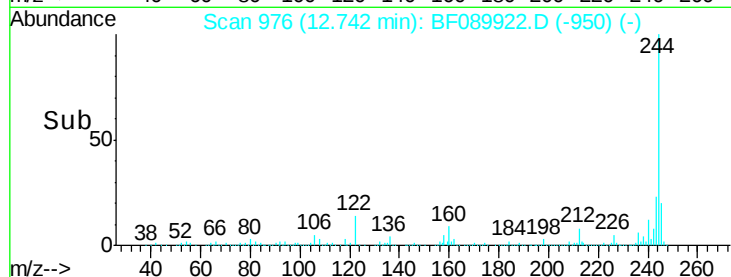
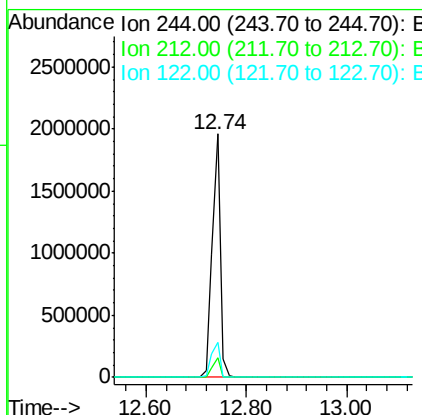
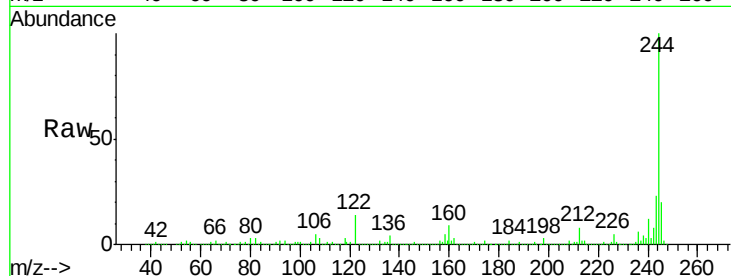




#78
 Terphenyl-d14
 Concen: 49.44 ng
 RT: 12.74 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: BF089922.D
 Acq: 26 Aug 2016 22:00

Instrument :
 BNA_F
 ClientSampleId :
 MW-104

Tot Ion:244 Resp: 2195099
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.3 9.5
 122 14.4 12.0 18.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.12 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF089922.D
 Acq: 26 Aug 2016 22:00

Tgt Ion:264 Resp: 845375
 Ion Ratio Lower Upper
 264 100
 260 24.3 20.2 30.2
 265 22.0 17.4 26.2

