

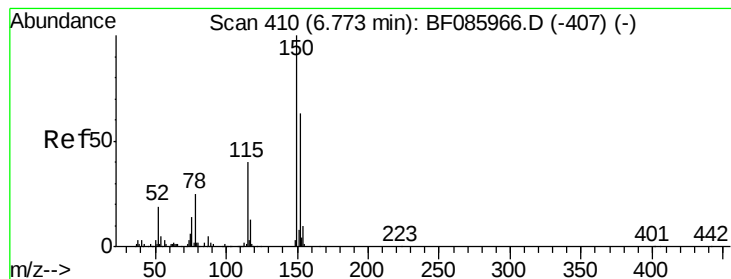
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040416\
 Data File : BF086061.D
 Acq On : 5 Apr 2016 3:44
 Operator : UM/SJ
 Sample : H2111-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AMBOY-SB-30COMP(0.5-15.0)

Quant Time: Apr 05 04:16:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	105257	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	381823	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	160665	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	241513	20.00	ng	-0.01
75) Chrysene-d12	13.92	240	191697	20.00	ng	-0.01
86) Perylene-d12	15.32	264	143037	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	626423	101.73	ng	0.00
7) Phenol-d6	6.41	99	699580	89.44	ng	-0.01
23) Nitrobenzene-d5	7.33	82	479910	74.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	120715	80.05	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	801713	82.97	ng	-0.01
78) Terphenyl-d14	12.87	244	541936	66.45	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.53	77	13497	3.21	ng	Qvalue 90
19) n-Nitroso-di-n-propylamine	7.33	70	61686	12.72	ng	# 76
25) Isophorone	7.33	82	361351	28.27	ng	# 68
49) Dimethylphthalate	9.53	163	89081	7.48	ng	97
56) 2,4-Dinitrotoluene	9.80	165	20384	6.40	ng	# 36
66) 4-Bromophenyl-phenylether	10.59	248	8803	3.57	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF086061.D

Acq: 5 Apr 2016 3:44

Instrument :

BNA_F

ClientSampleId :

AMBOY-SB-30COMP(0.5-15.0)

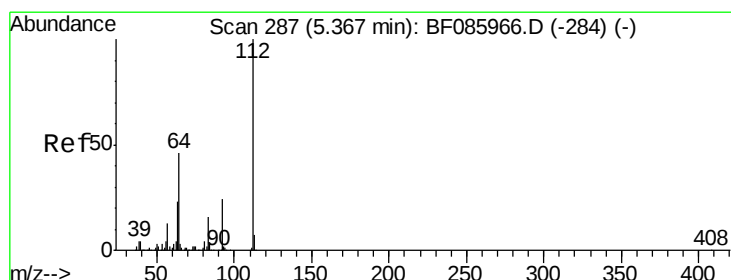
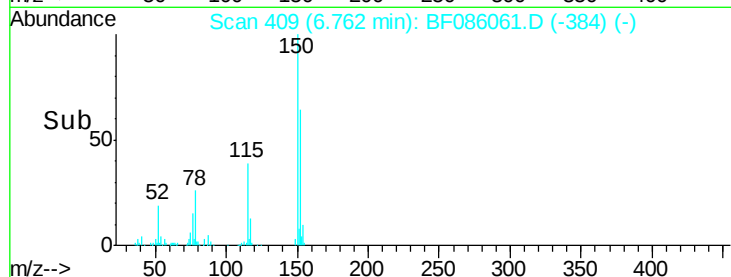
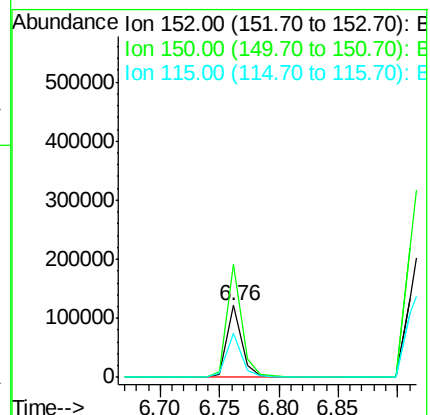
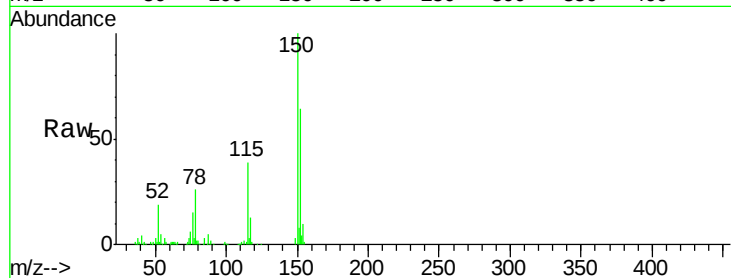
Tgt Ion:152 Resp: 105257

Ion Ratio Lower Upper

152 100

150 156.8 124.2 186.2

115 61.8 47.0 70.6



#5

2-Fluorophenol

Concen: 101.73 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF086061.D

Acq: 5 Apr 2016 3:44

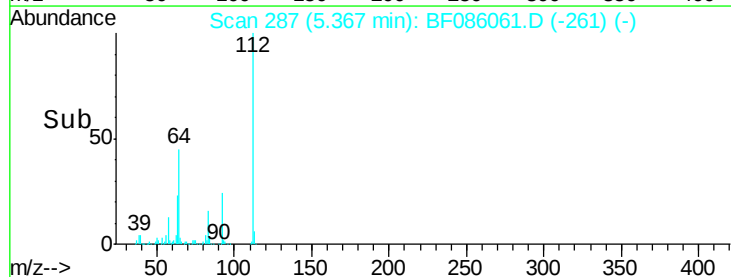
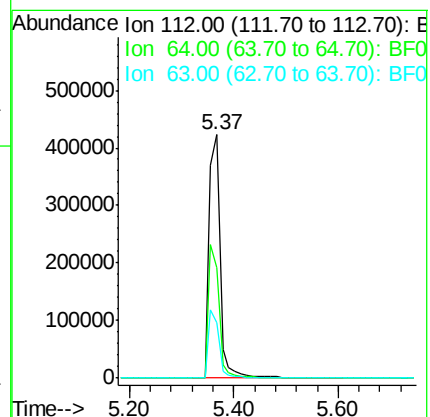
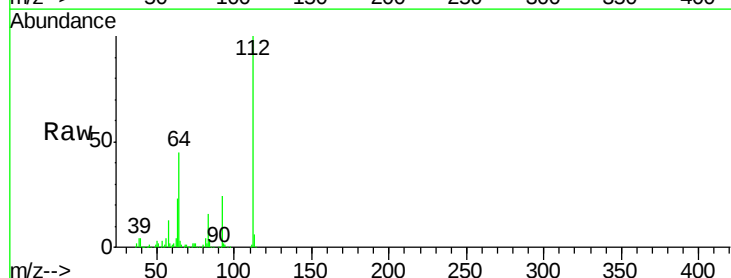
Tgt Ion:112 Resp: 626423

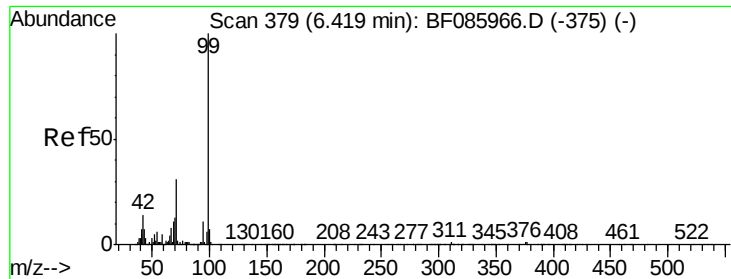
Ion Ratio Lower Upper

112 100

64 45.4 39.9 59.9

63 22.9 20.2 30.2





#7

Phenol-d6

Concen: 89.44 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF086061.D

Acq: 5 Apr 2016 3:44

Instrument :

BNA_F

ClientSampleId :

AMBOY-SB-30COMP(0.5-15.0)

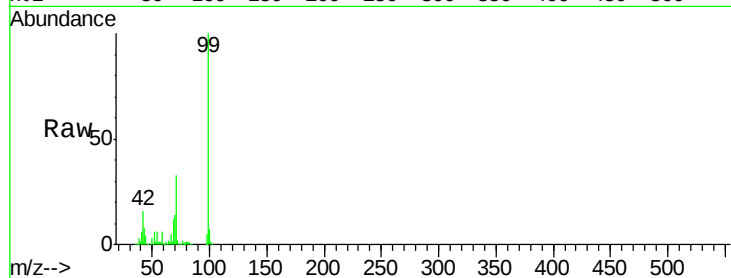
Tgt Ion: 99 Resp: 699580

Ion Ratio Lower Upper

99 100

42 15.8 11.1 16.7

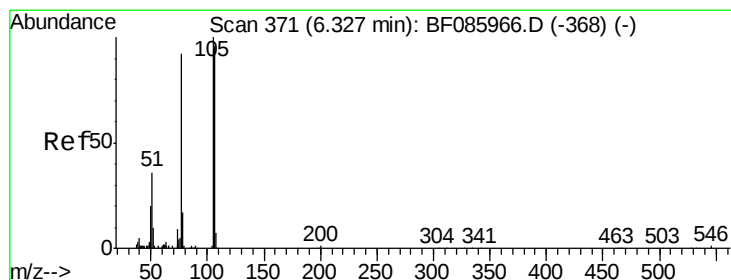
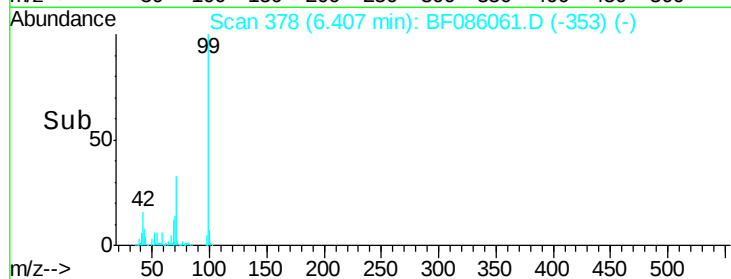
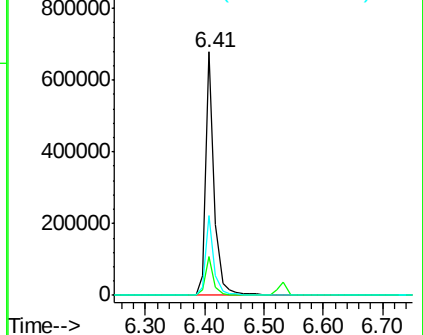
71 33.0 24.9 37.3



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: 3.21 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.21 min

Lab File: BF086061.D

Acq: 5 Apr 2016 3:44

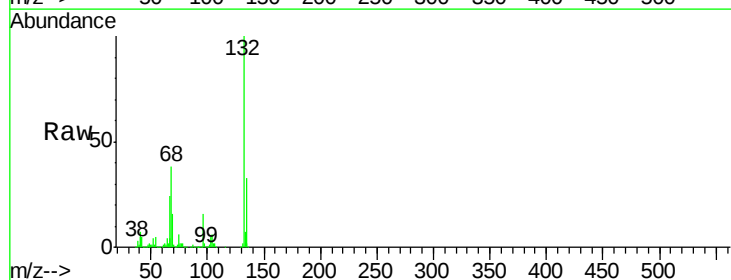
Tgt Ion: 77 Resp: 13497

Ion Ratio Lower Upper

77 100

105 91.7 80.1 120.1

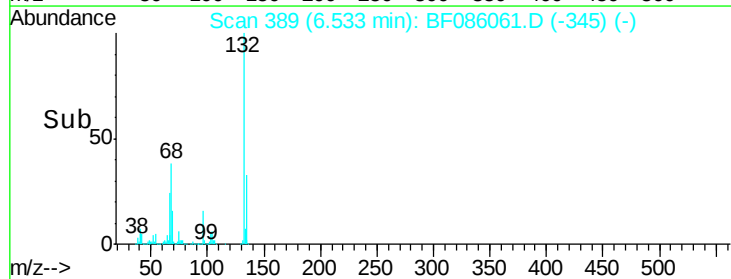
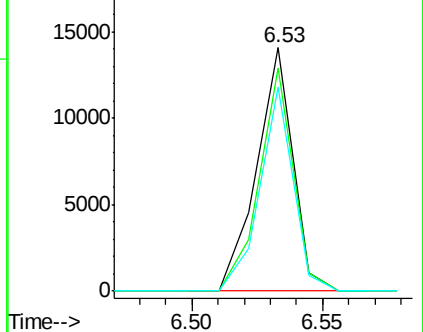
106 83.7 75.0 115.0

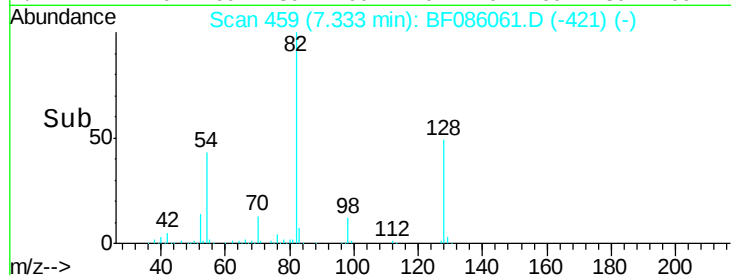
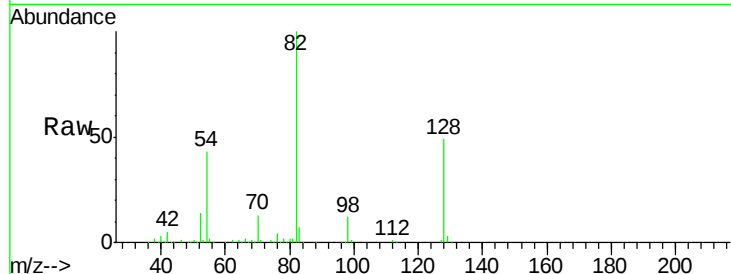
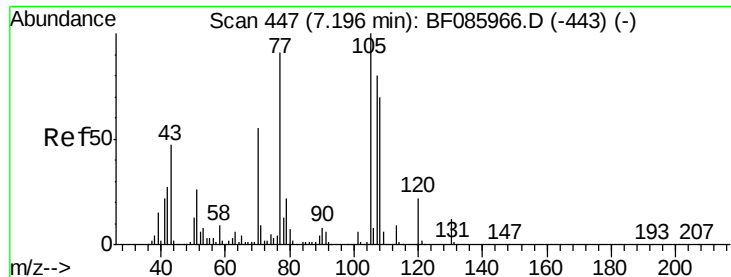


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

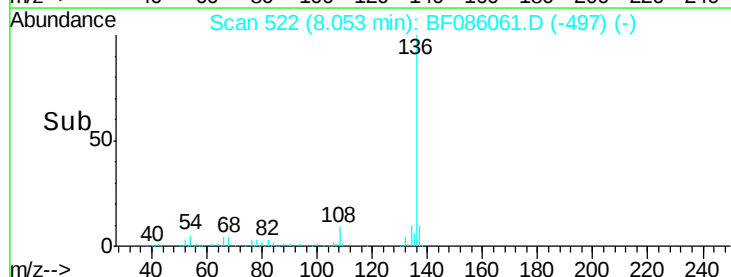
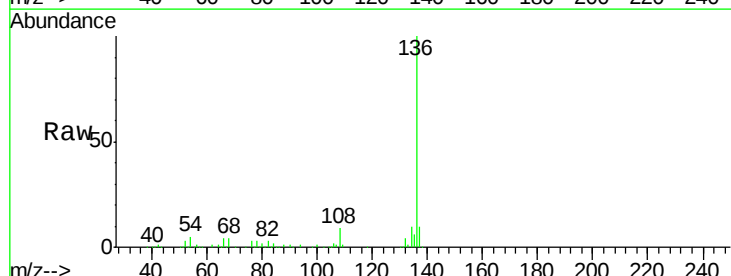
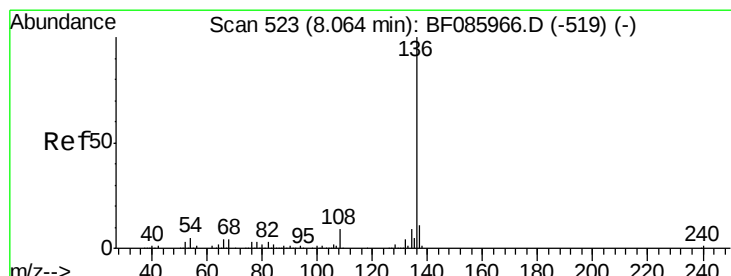
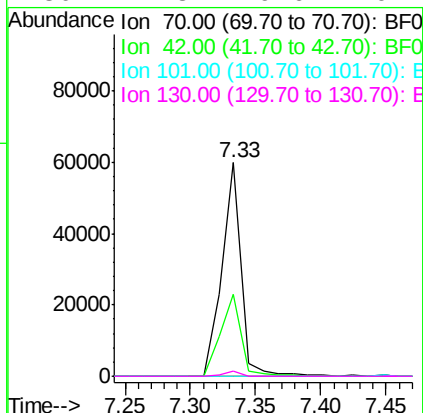




#19
n-Nitroso-di-n-propylamine
Concen: 12.72 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.14 min
Lab File: BF086061.D
Acq: 5 Apr 2016 3:44

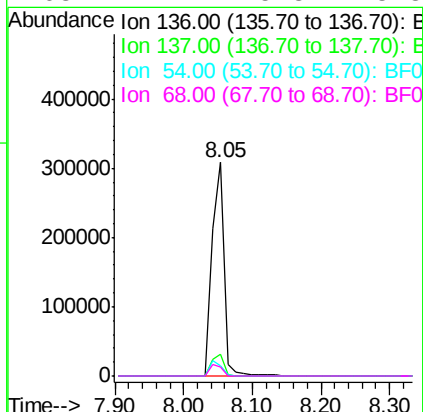
Instrument :
BNA_F
ClientSampleId :
AMBOY-SB-30COMP(0.5-15.0)

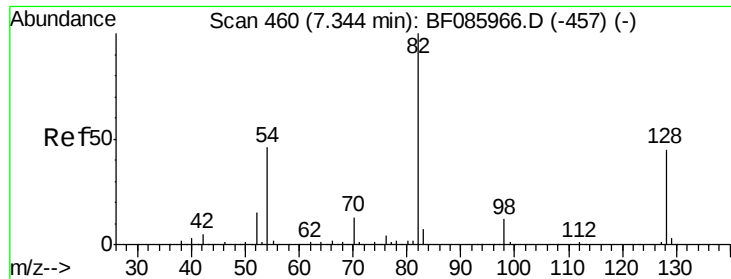
Tgt Ion:	70	Resp:	61686
Ion	Ratio	Lower	Upper
70	100		
42	38.6	37.1	55.7
101	0.0	8.6	12.8#
130	2.3	19.6	29.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF086061.D
Acq: 5 Apr 2016 3:44

Tgt Ion:	136	Resp:	381823
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	4.8	7.4	11.0#
68	4.1	5.8	8.8#

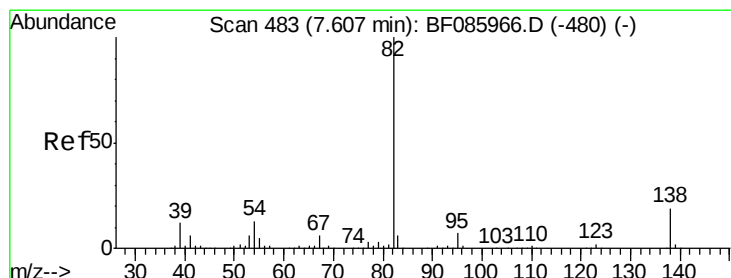
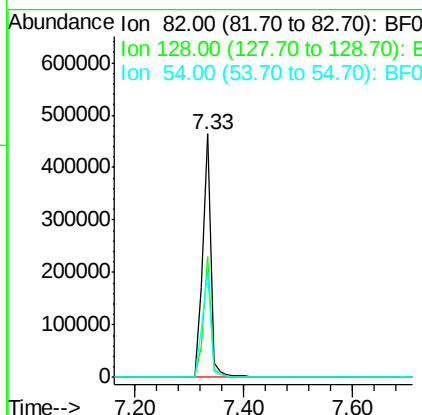
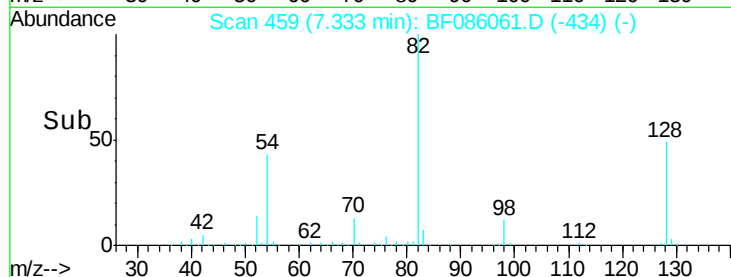
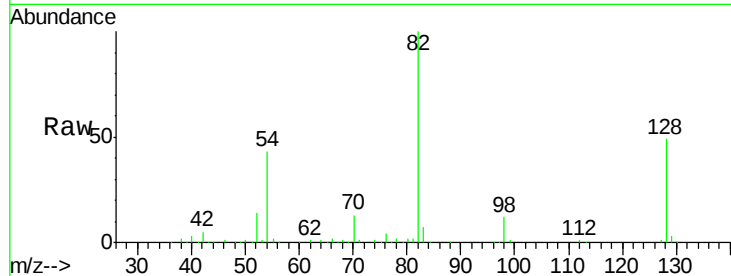




#23
 Nitrobenzene-d5
 Concen: 74.12 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF086061.D
 Acq: 5 Apr 2016 3:44

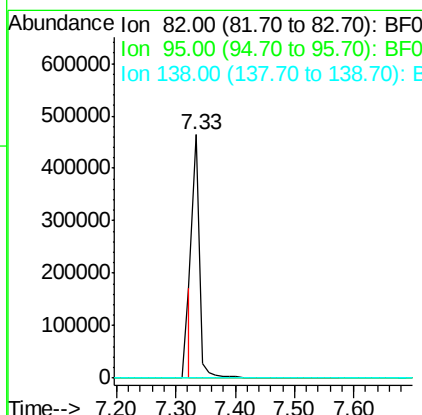
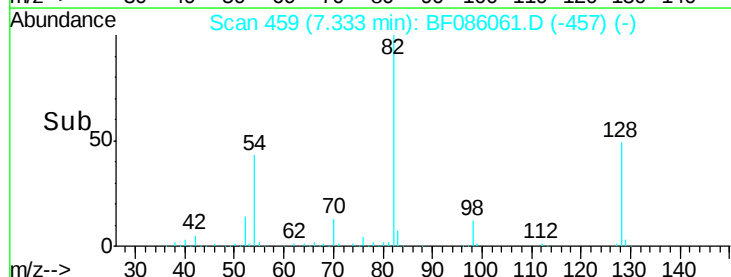
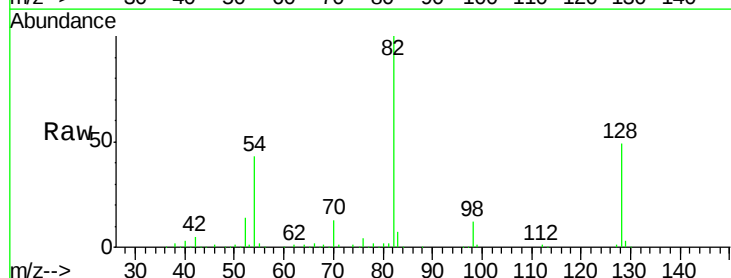
Instrument :
 BNA_F
 ClientSampleId :
 AMBOY-SB-30COMP(0.5-15.0)

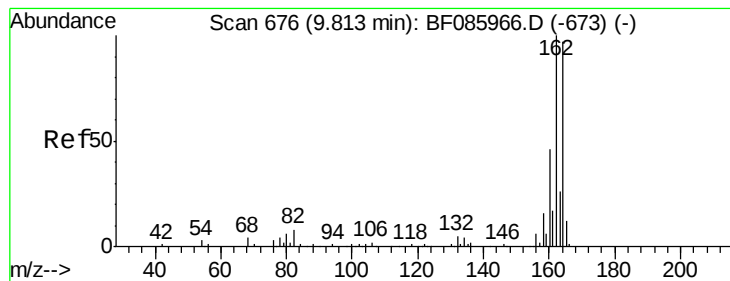
Tgt Ion: 82 Resp: 479910
 Ion Ratio Lower Upper
 82 100
 128 49.4 41.8 62.8
 54 43.4 33.4 50.0



#25
 Isophorone
 Concen: 28.27 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.27 min
 Lab File: BF086061.D
 Acq: 5 Apr 2016 3:44

Tgt Ion: 82 Resp: 361351
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 12.9 19.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF086061.D

Acq: 5 Apr 2016 3:44

Instrument :

BNA_F

ClientSampleId :

AMBOY-SB-30COMP(0.5-15.0)

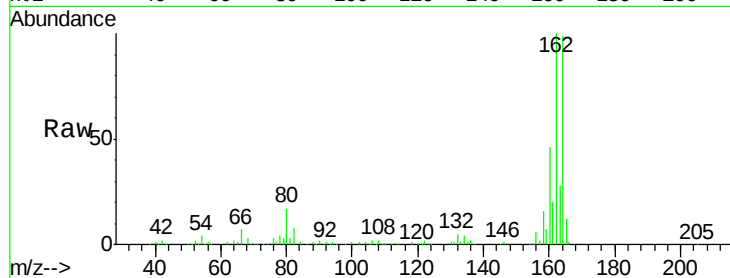
Tgt Ion:164 Resp: 160665

Ion Ratio Lower Upper

164 100

162 101.2 82.1 123.1

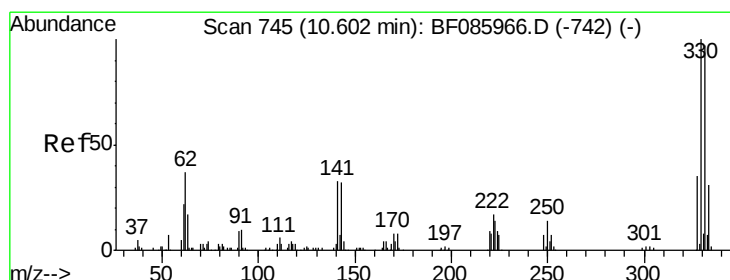
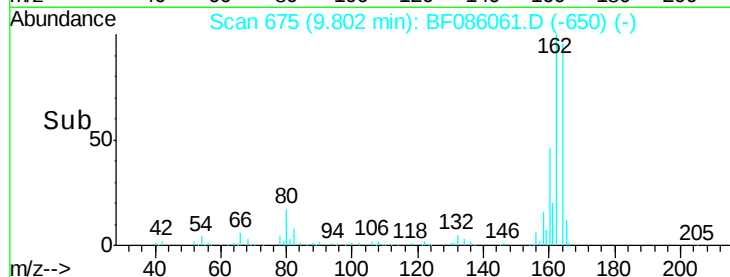
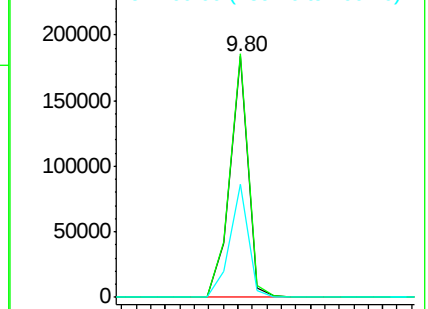
160 46.8 37.4 56.2



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: 80.05 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF086061.D

Acq: 5 Apr 2016 3:44

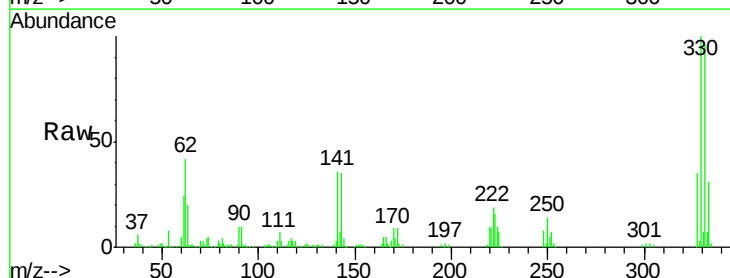
Tgt Ion:330 Resp: 120715

Ion Ratio Lower Upper

330 100

332 96.3 78.2 117.2

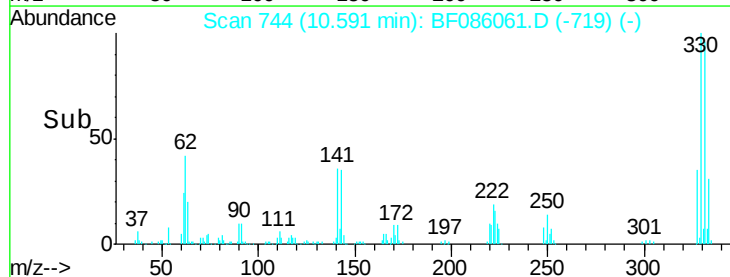
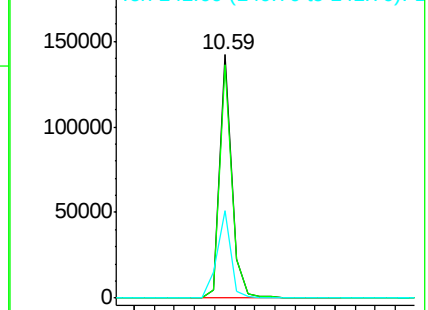
141 40.8 31.5 47.3

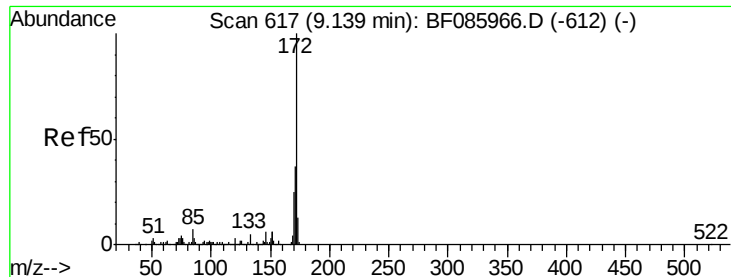


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 82.97 ng

RT: 9.13 min Scan# 616

Delta R.T. -0.01 min

Lab File: BF086061.D

Acq: 5 Apr 2016 3:44

Instrument :

BNA_F

ClientSampleId :

AMBOY-SB-30COMP(0.5-15.0)

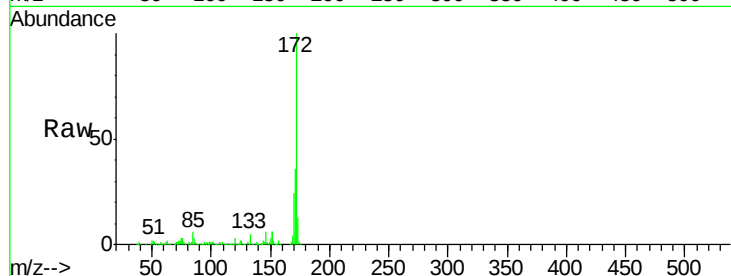
Tgt Ion:172 Resp: 801713

Ion Ratio Lower Upper

172 100

171 35.6 29.4 44.2

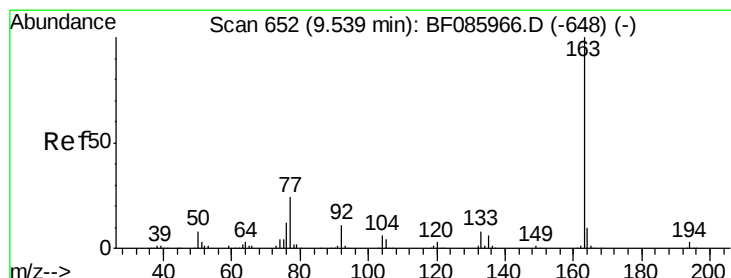
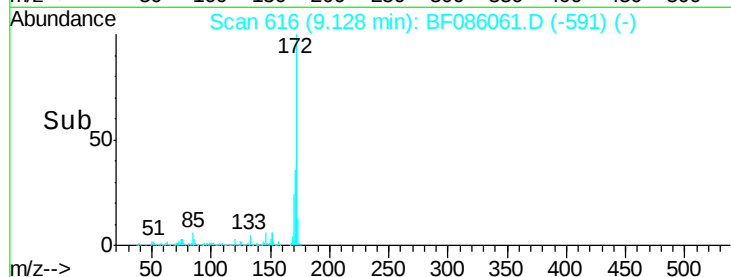
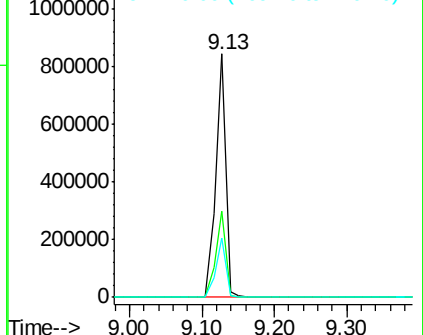
170 24.4 19.8 29.6



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: 7.48 ng

RT: 9.53 min Scan# 651

Delta R.T. -0.01 min

Lab File: BF086061.D

Acq: 5 Apr 2016 3:44

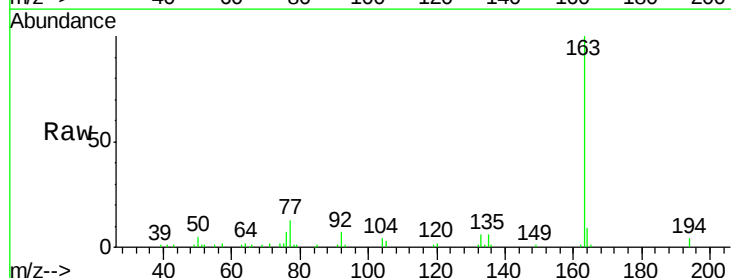
Tgt Ion:163 Resp: 89081

Ion Ratio Lower Upper

163 100

194 4.3 2.9 4.3

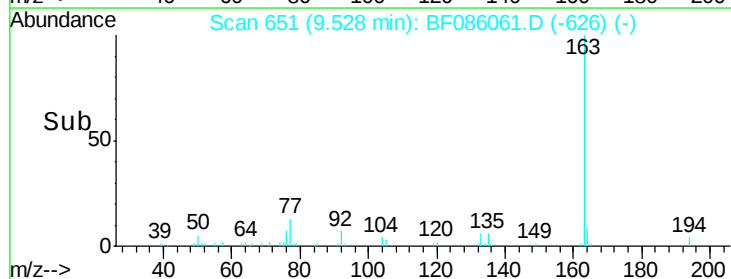
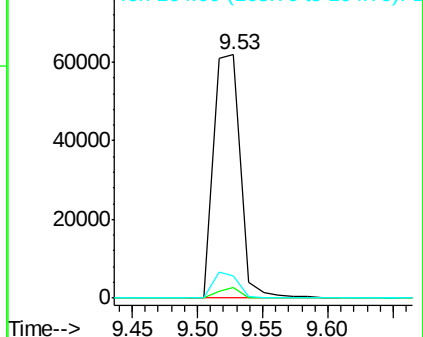
164 9.2 8.3 12.5

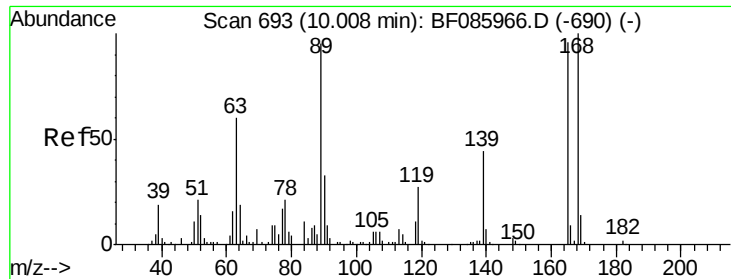


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

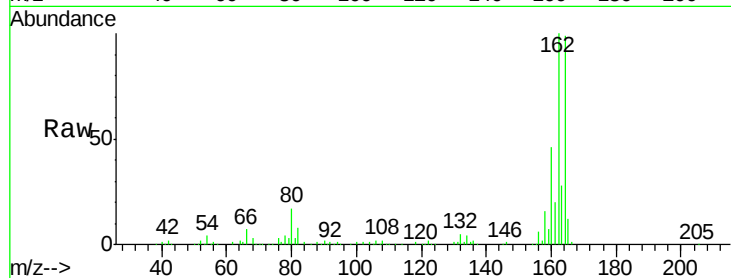




#56
 2,4-Dinitrotoluene
 Concen: 6.40 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.21 min
 Lab File: BF086061.D
 Acq: 5 Apr 2016 3:44

Instrument :
 BNA_F
 ClientSampleId :
 AMBOY-SB-30COMP(0.5-15.0)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	24.9	37.3#
89	1.8	41.0	61.6#
182	0.0	2.1	3.1#

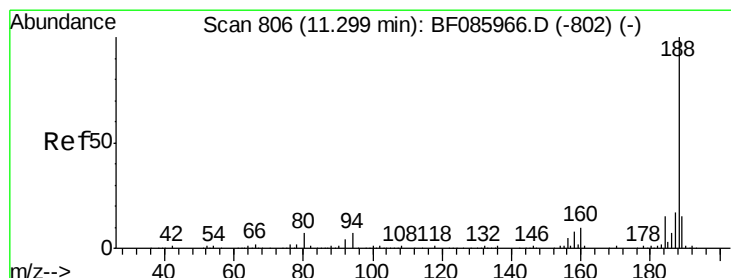
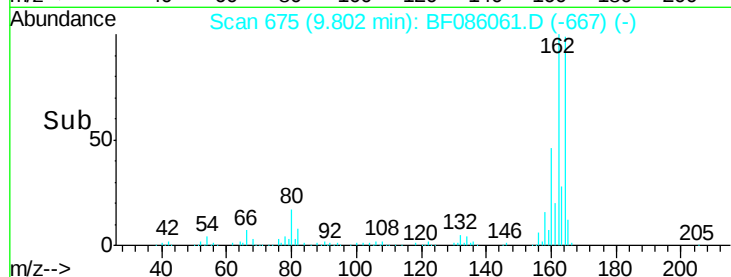
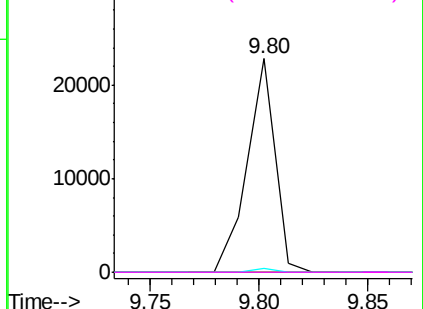


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

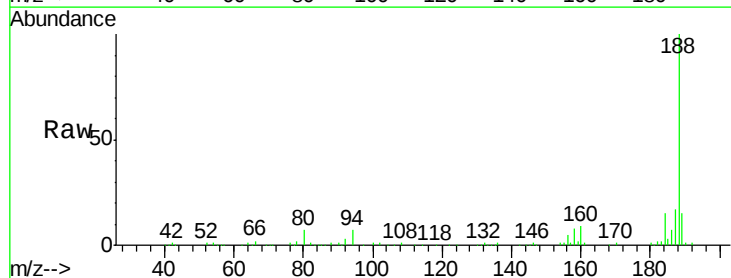
Ion 89.00 (88.70 to 89.70): BF0

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. -0.01 min
 Lab File: BF086061.D
 Acq: 5 Apr 2016 3:44

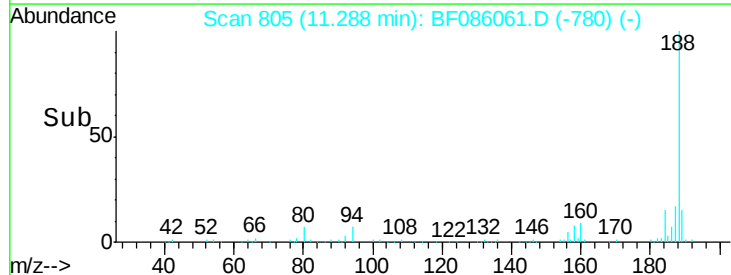
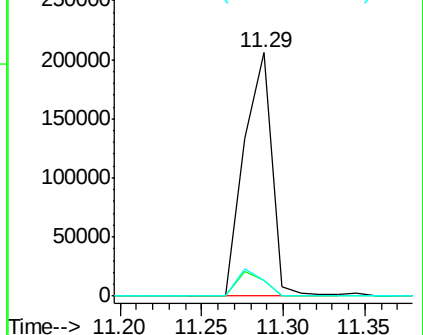
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.6	5.4	8.0
80	6.5	5.5	8.3

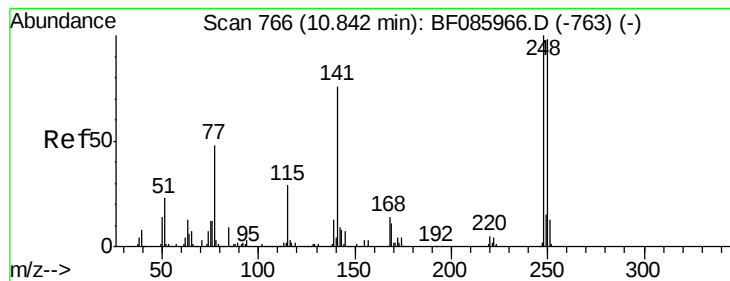


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.57 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.25 min

Lab File: BF086061.D

Acq: 5 Apr 2016 3:44

Instrument :

BNA_F

ClientSampleId :

AMBOY-SB-30COMP(0.5-15.0)

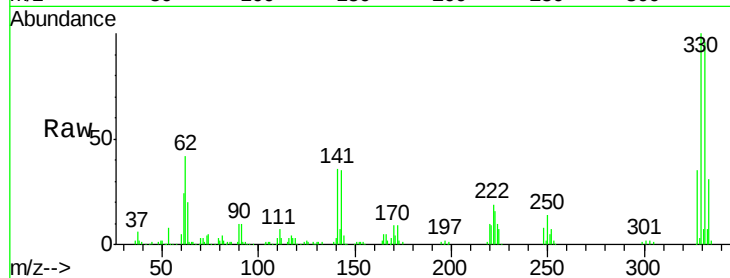
Tgt Ion:248 Resp: 8803

Ion Ratio Lower Upper

248 100

250 182.2 77.4 116.0#

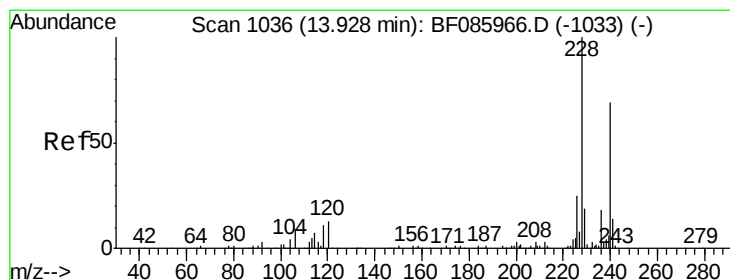
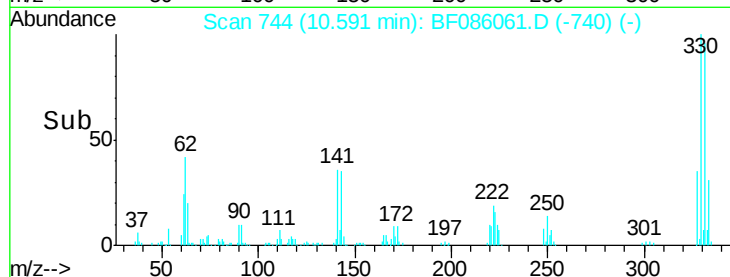
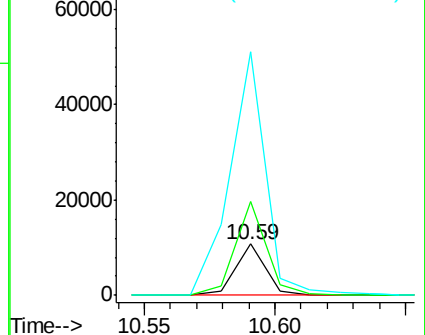
141 472.2 63.6 95.4#



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: BF086061.D

Acq: 5 Apr 2016 3:44

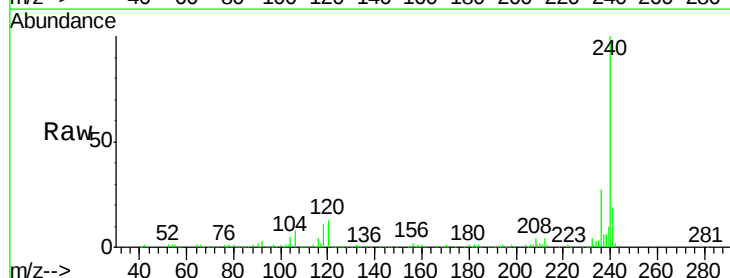
Tgt Ion:240 Resp: 191697

Ion Ratio Lower Upper

240 100

120 12.9 13.8 20.8#

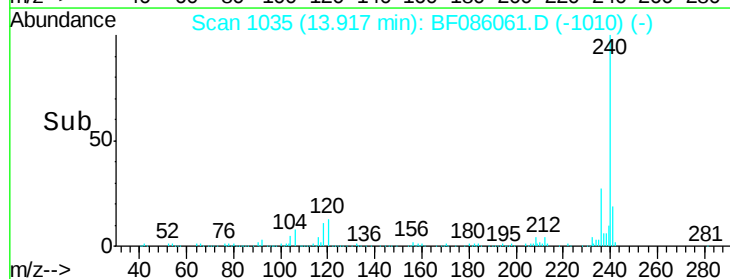
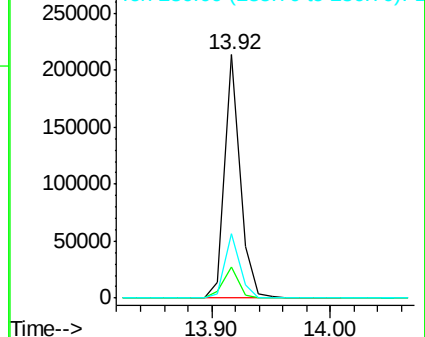
236 26.7 20.6 30.8

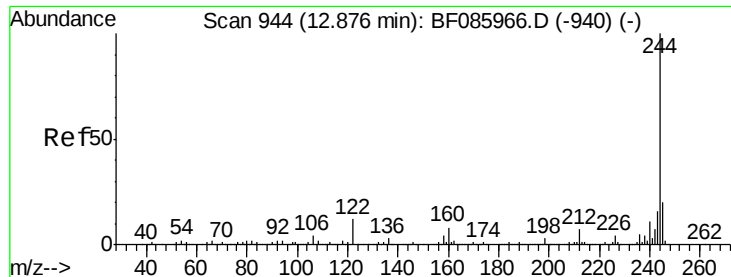


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 66.45 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF086061.D

Acq: 5 Apr 2016 3:44

Instrument :

BNA_F

ClientSampleId :

AMBOY-SB-30COMP(0.5-15.0)

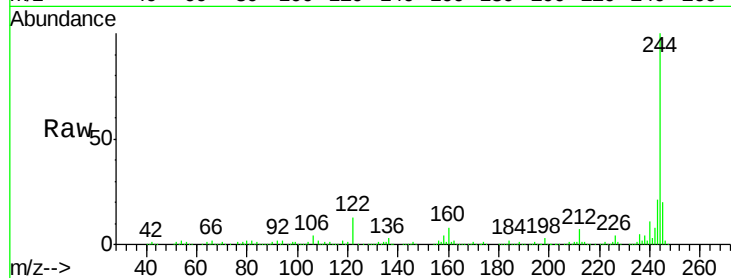
Tgt Ion:244 Resp: 541936

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

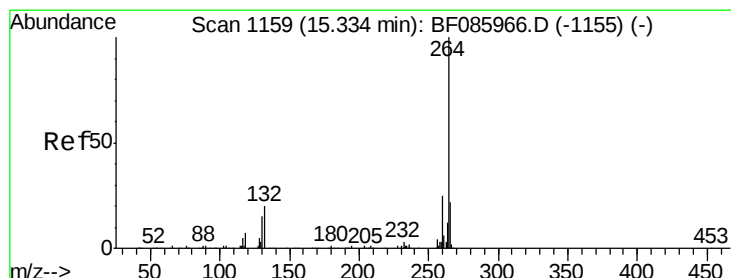
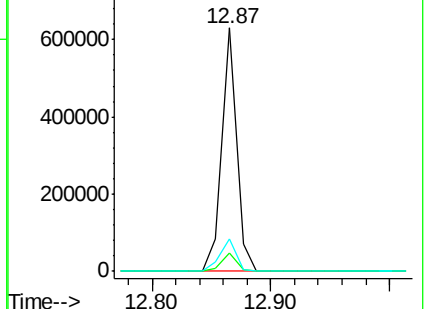
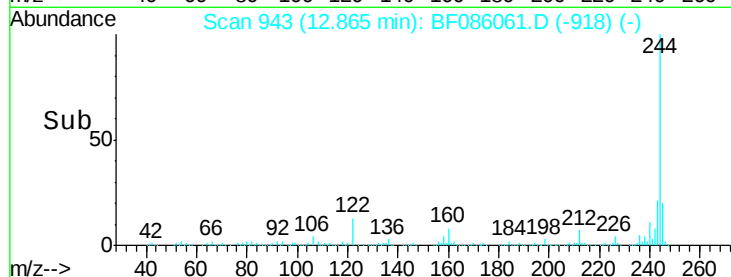
122 13.1 10.2 15.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.32 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BF086061.D

Acq: 5 Apr 2016 3:44

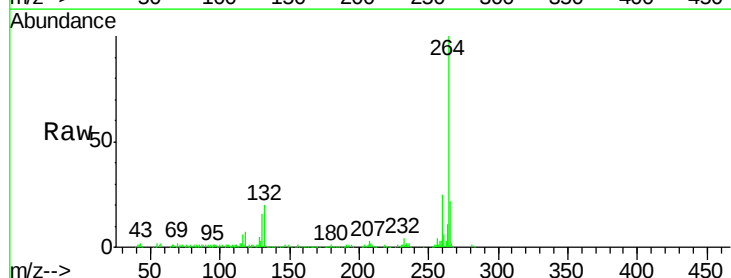
Tgt Ion:264 Resp: 143037

Ion Ratio Lower Upper

264 100

260 24.9 19.4 29.2

265 21.8 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

