

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
 Data File : BF086072.D
 Acq On : 5 Apr 2016 8:49
 Operator : UM/SJ
 Sample : PB89469TB
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB89469TB

Quant Time: Apr 05 11:30:13 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

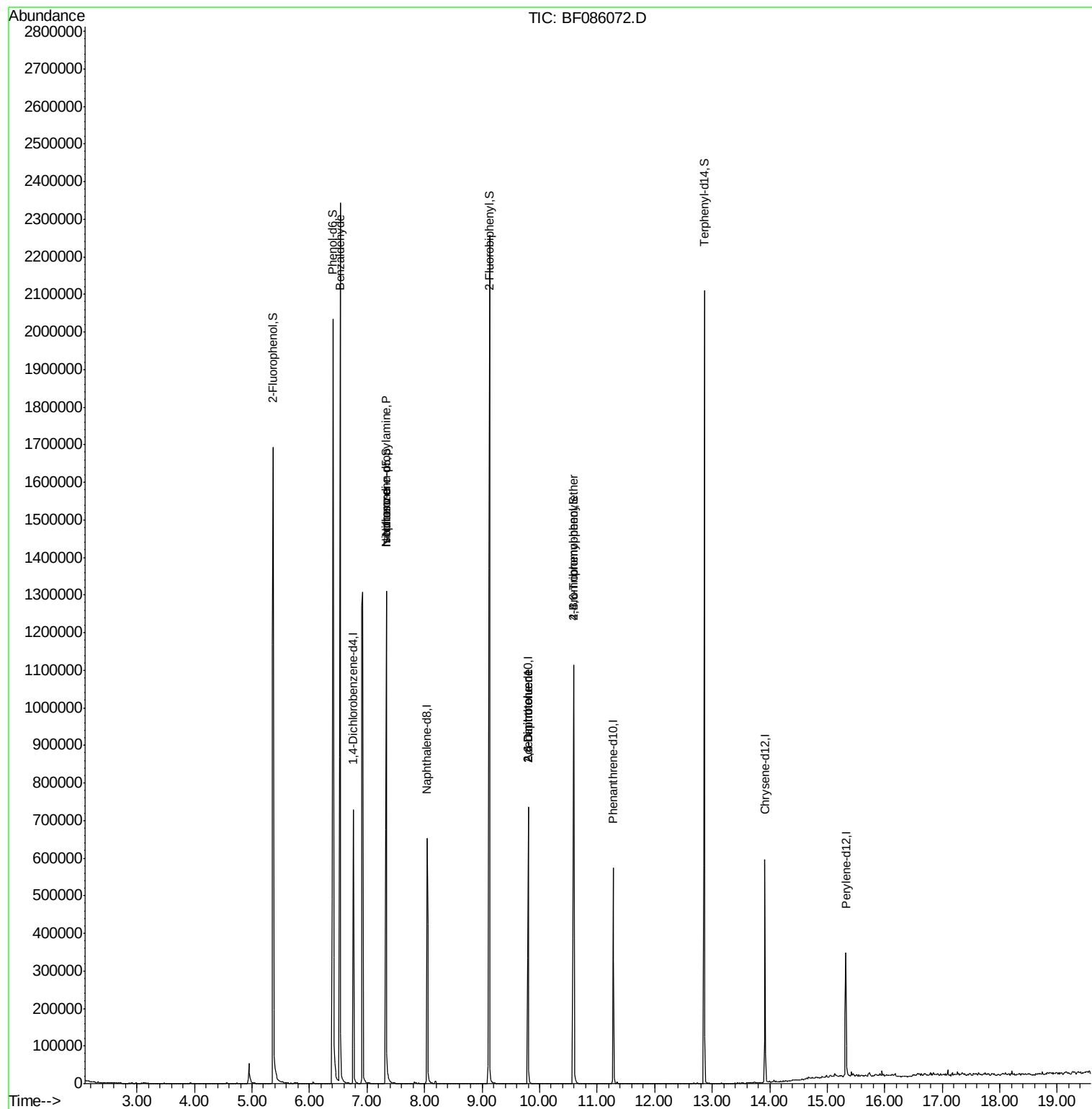
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	108153	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	395008	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	165195	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	256190	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	194954	20.00	ng	-0.01
86) Perylene-d12	15.32	264	145685	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	702896	111.09	ng	0.00
7) Phenol-d6	6.41	99	800187	99.56	ng	-0.01
23) Nitrobenzene-d5	7.33	82	536698	80.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	142166	91.69	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	890161	89.59	ng	-0.01
78) Terphenyl-d14	12.87	244	635960	76.68	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.53	77	15473	3.58	ng	Qvalue 86
19) n-Nitroso-di-n-propylamine	7.33	70	69599	13.97	ng	# 75
25) Isophorone	7.33	82	536417	40.57	ng	# 68
50) 2,6-Dinitrotoluene	9.80	165	20576	7.94	ng	# 18
56) 2,4-Dinitrotoluene	9.80	165	20576	6.29	ng	# 36
66) 4-Bromophenyl-phenylether	10.59	248	9665	3.70	ng	# 1

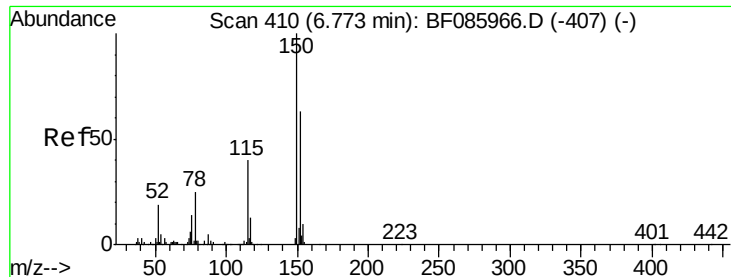
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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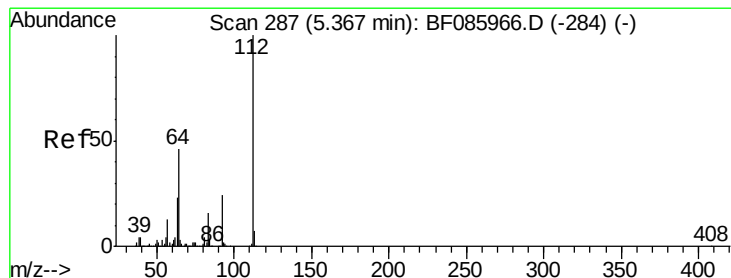
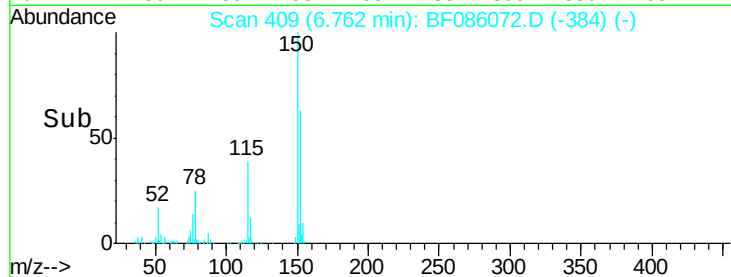
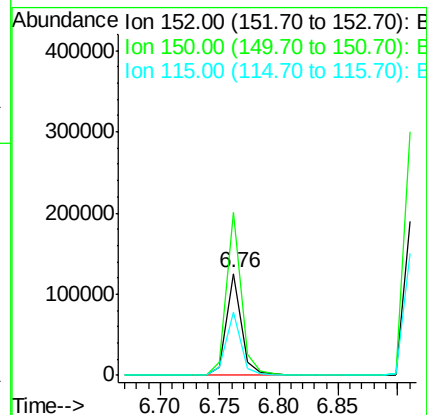
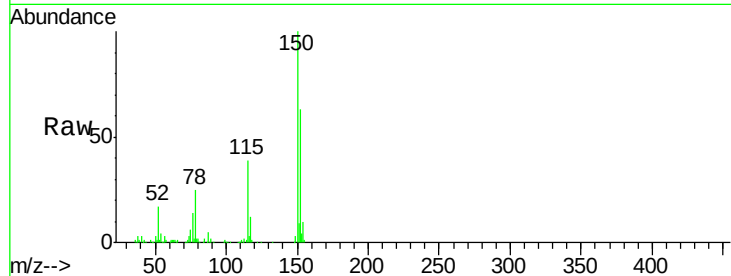


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF086072.D
Acq: 5 Apr 2016 8:49

Instrument :
BNA_F
ClientSampleId :
PB89469TB

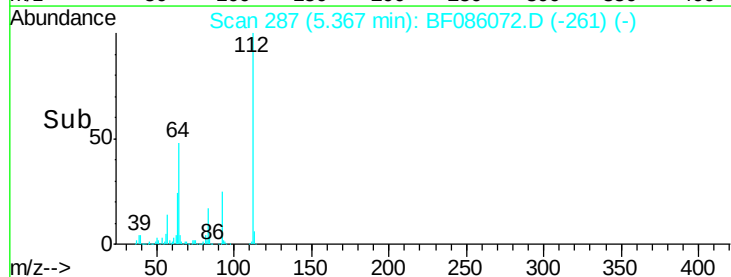
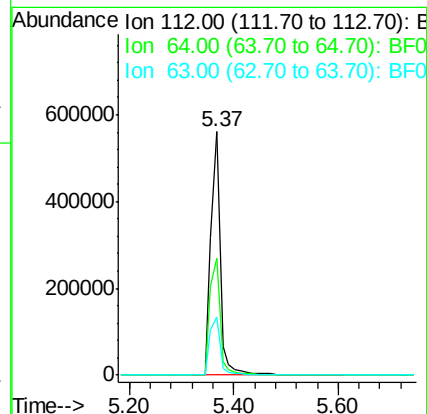
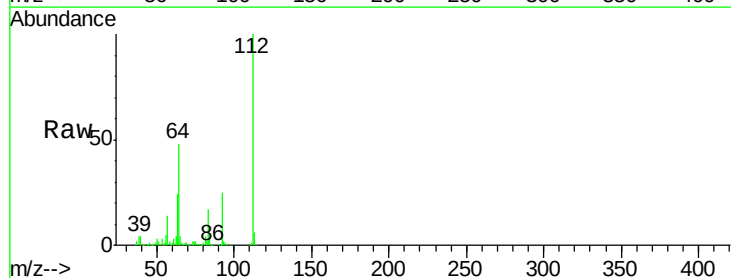
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.2	186.2
115	62.6	47.0	70.6

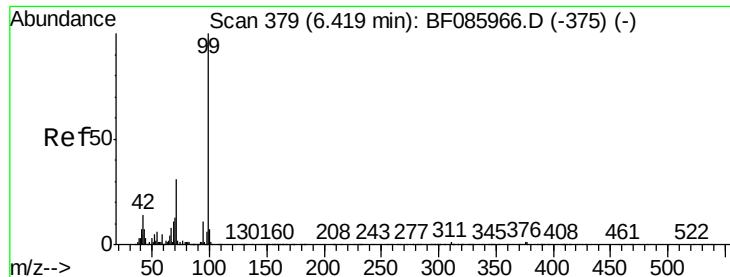


#5

2-Fluorophenol
Concen: 111.09 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.00 min
Lab File: BF086072.D
Acq: 5 Apr 2016 8:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.0	39.9	59.9
63	23.8	20.2	30.2





#7

Phenol-d6

Concen: 99.56 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF086072.D

Acq: 5 Apr 2016 8:49

Instrument :

BNA_F

ClientSampleId :

PB89469TB

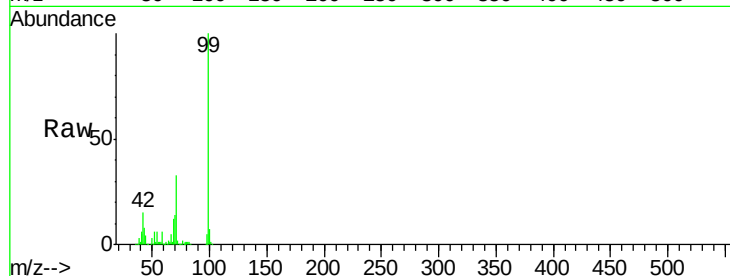
Tot Ion: 99 Resp: 800187

Ion Ratio Lower Upper

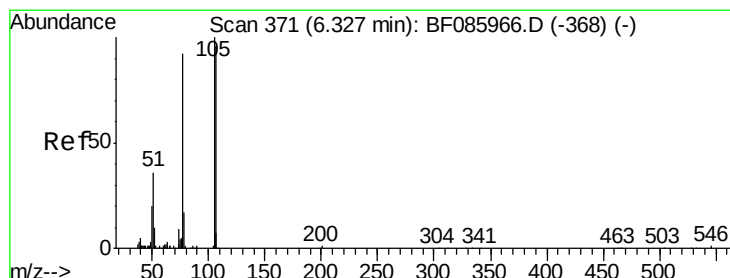
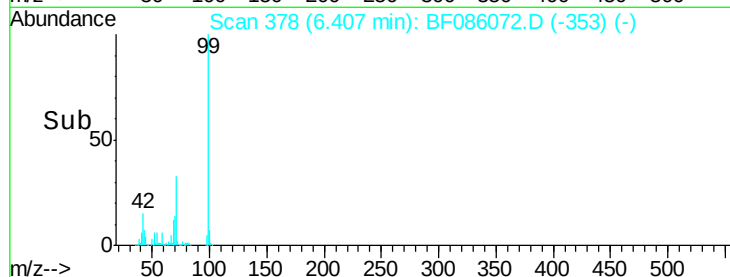
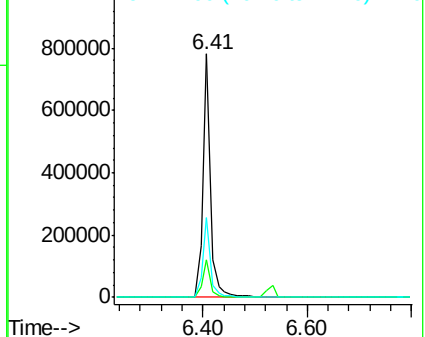
99 100

42 15.4 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: 3.58 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.21 min

Lab File: BF086072.D

Acq: 5 Apr 2016 8:49

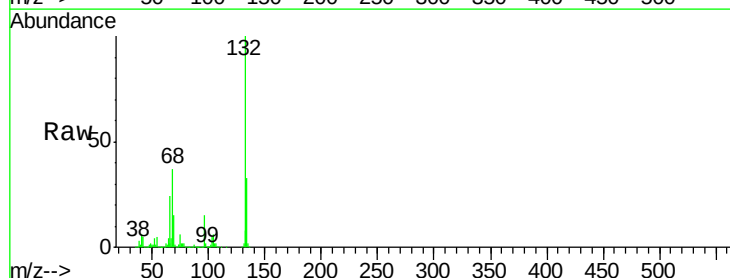
Tgt Ion: 77 Resp: 15473

Ion Ratio Lower Upper

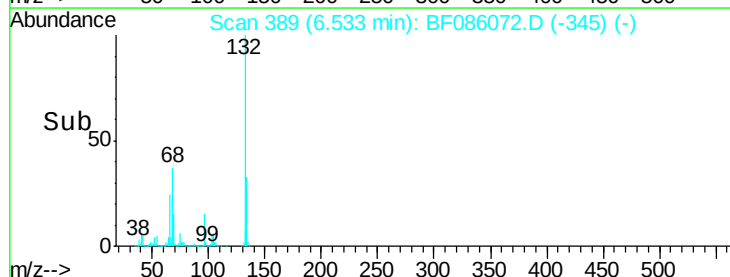
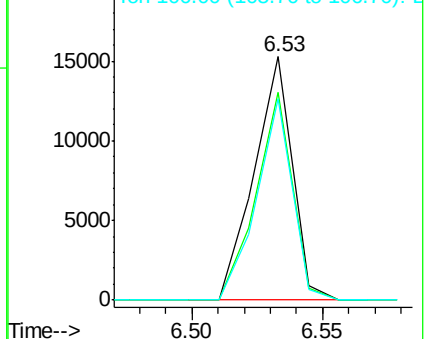
77 100

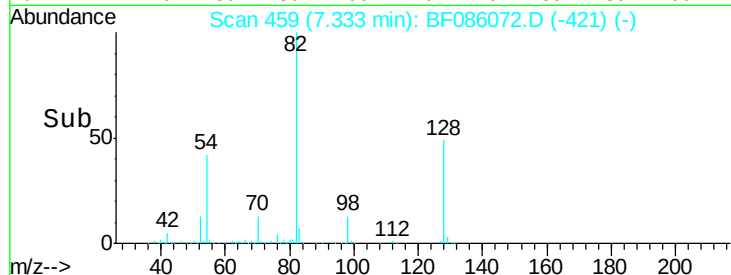
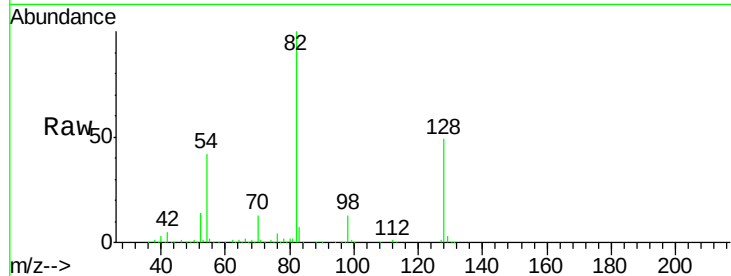
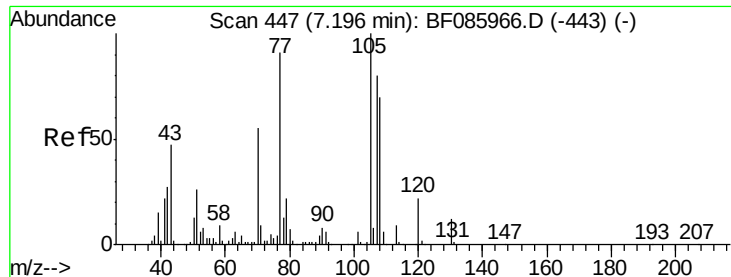
105 85.1 80.1 120.1

106 82.6 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

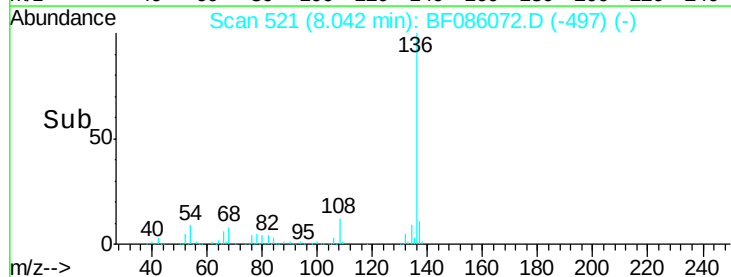
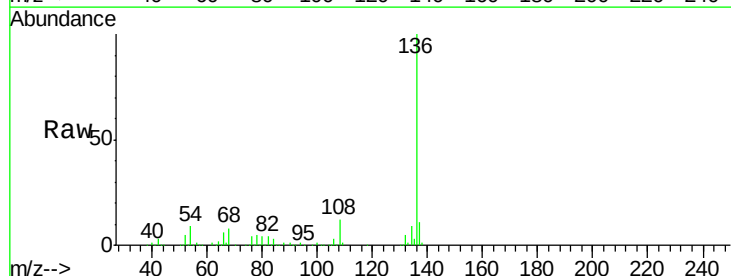
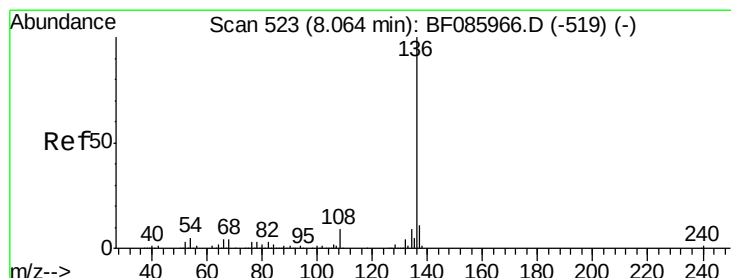
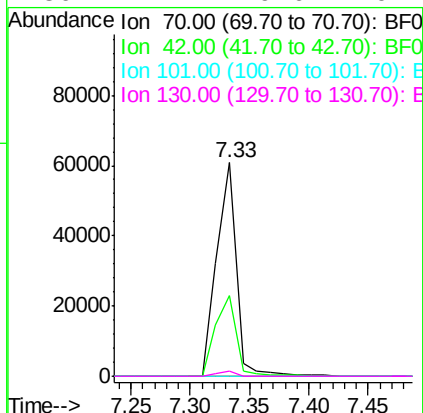




#19
n-Nitroso-di-n-propylamine
Concen: 13.97 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.14 min
Lab File: BF086072.D
Acq: 5 Apr 2016 8:49

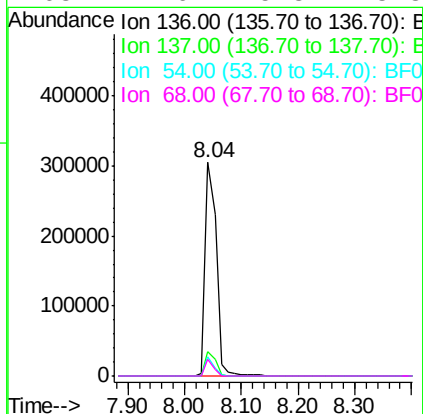
Instrument :
BNA_F
ClientSampleId :
PB89469TB

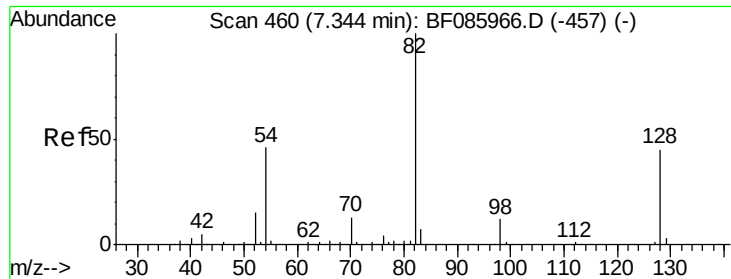
Tot Ion:	70	Resp:	69599
Ion	Ratio	Lower	Upper
70	100		
42	37.5	37.1	55.7
101	0.0	8.6	12.8#
130	2.7	19.6	29.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF086072.D
Acq: 5 Apr 2016 8:49

Tgt Ion:	136	Resp:	395008
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	9.2	7.4	11.0
68	7.6	5.8	8.8

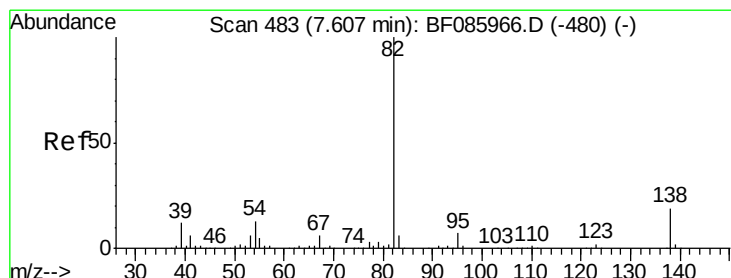
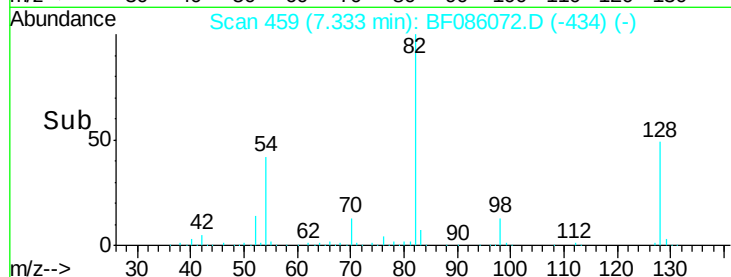
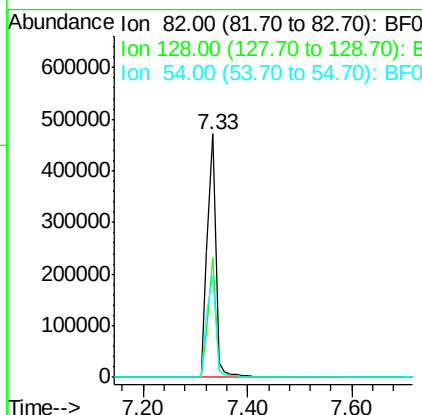
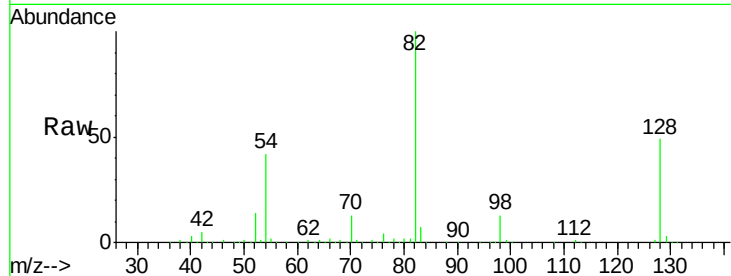




#23
 Nitrobenzene-d5
 Concen: 80.13 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF086072.D
 Acq: 5 Apr 2016 8:49

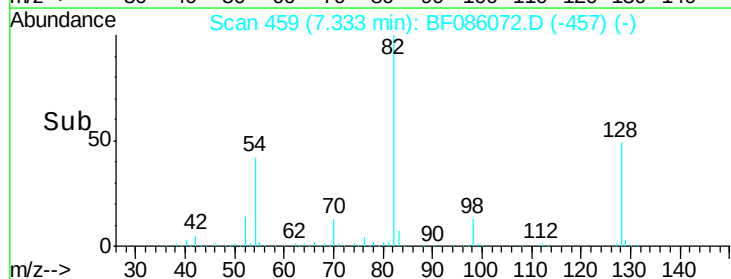
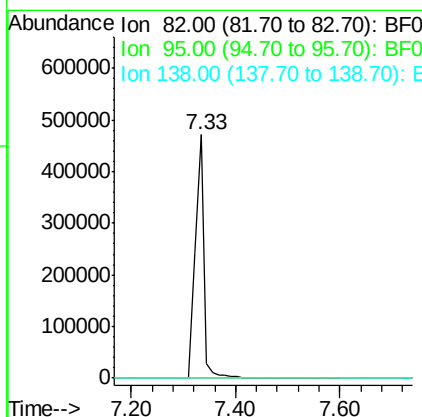
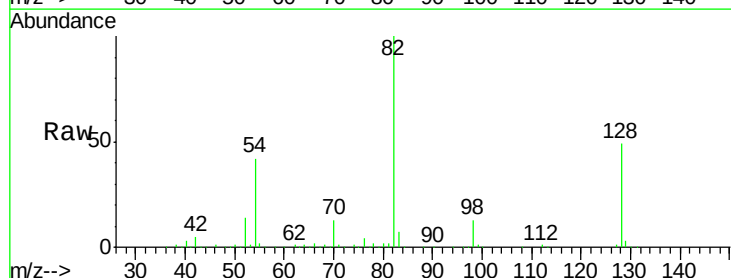
Instrument :
 BNA_F
 ClientSampleId :
 PB89469TB

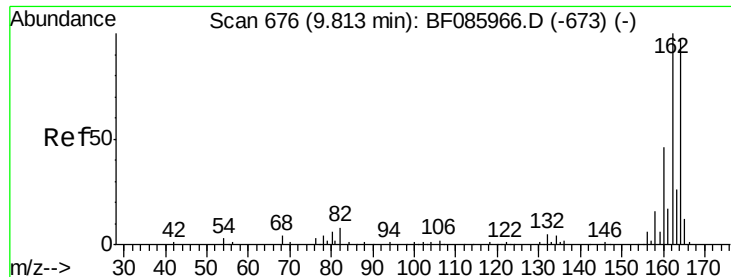
Tot Ion	82	Resp	536698
Ion Ratio	Lower	Upper	
82	100		
128	49.3	41.8	62.8
54	41.7	33.4	50.0



#25
 Isophorone
 Concen: 40.57 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.27 min
 Lab File: BF086072.D
 Acq: 5 Apr 2016 8:49

Tgt Ion	82	Resp	536417
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: BF086072.D

Acq: 5 Apr 2016 8:49

Instrument :

BNA_F

ClientSampleId :

PB89469TB

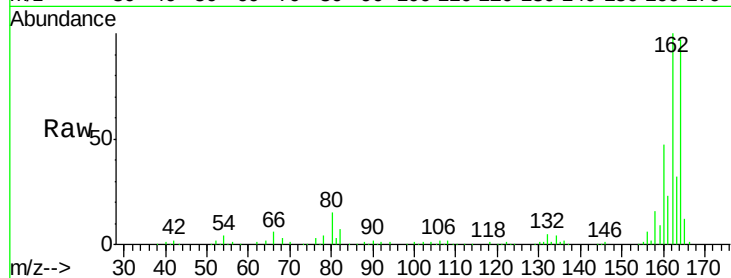
Tot Ion:164 Resp: 165195

Ion Ratio Lower Upper

164 100

162 103.4 82.1 123.1

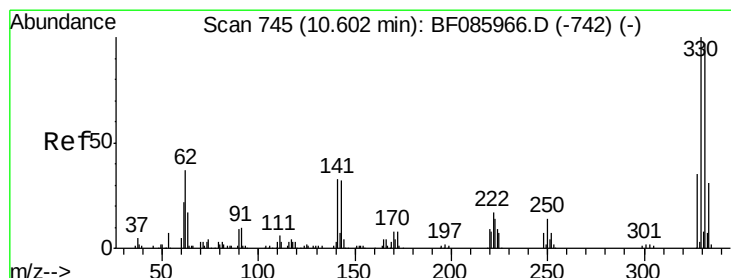
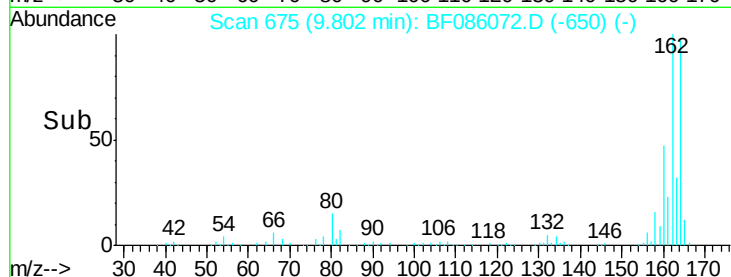
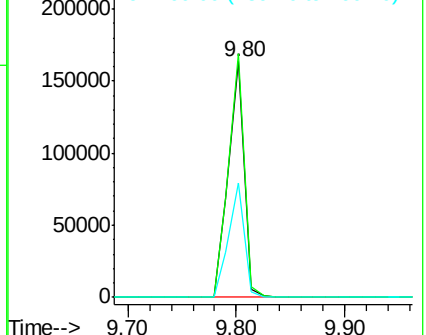
160 48.4 37.4 56.2



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: 91.69 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF086072.D

Acq: 5 Apr 2016 8:49

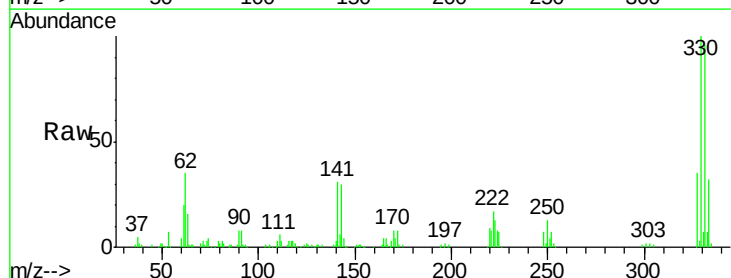
Tgt Ion:330 Resp: 142166

Ion Ratio Lower Upper

330 100

332 95.8 78.2 117.2

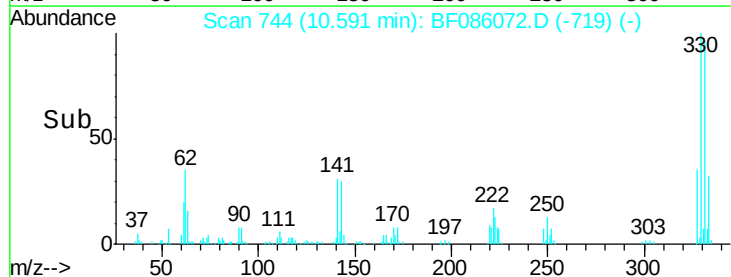
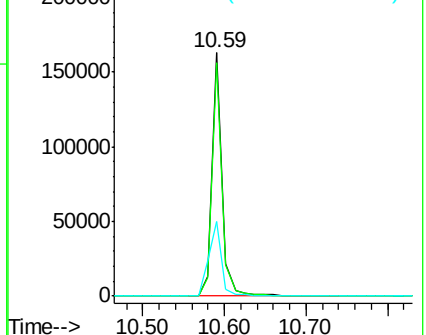
141 39.1 31.5 47.3

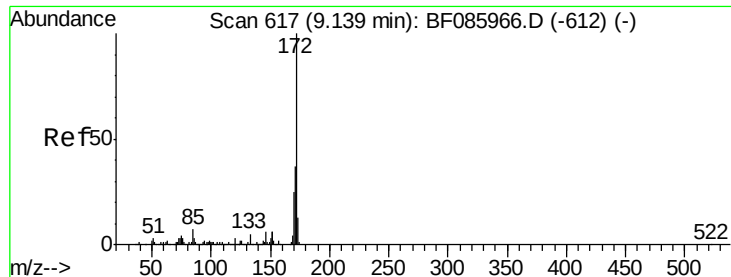


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 89.59 ng

RT: 9.13 min Scan# 616

Delta R.T. -0.01 min

Lab File: BF086072.D

Acq: 5 Apr 2016 8:49

Instrument :

BNA_F

ClientSampled :

PB89469TB

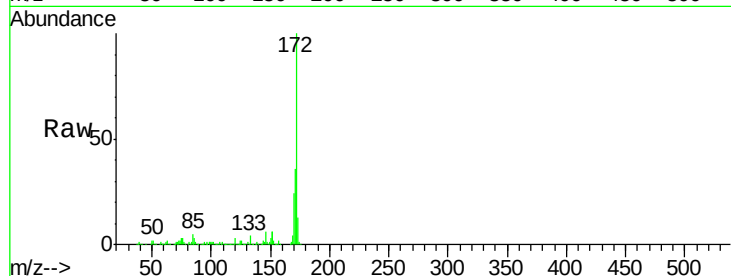
Tot Ion:172 Resp: 890161

Ion Ratio Lower Upper

172 100

171 35.8 29.4 44.2

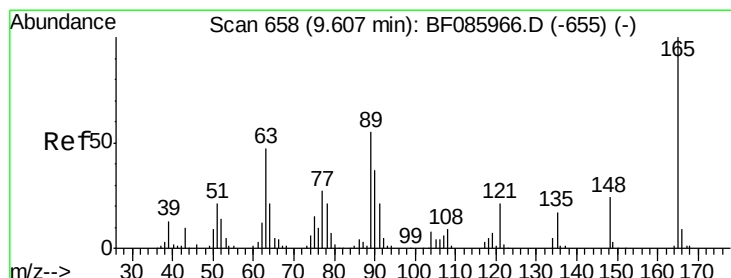
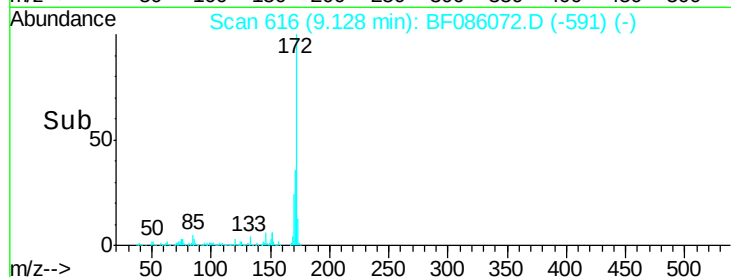
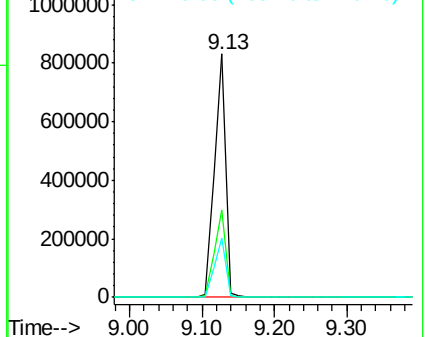
170 24.3 19.8 29.6



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



#50

2,6-Dinitrotoluene

Concen: 7.94 ng

RT: 9.80 min Scan# 675

Delta R.T. 0.19 min

Lab File: BF086072.D

Acq: 5 Apr 2016 8:49

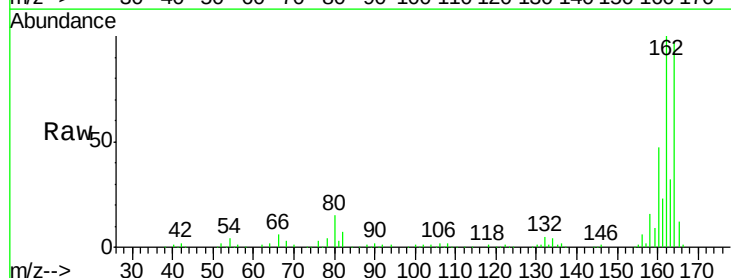
Tgt Ion:165 Resp: 20576

Ion Ratio Lower Upper

165 100

63 0.0 51.8 77.8#

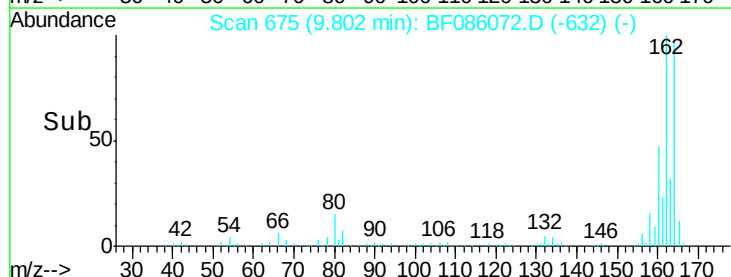
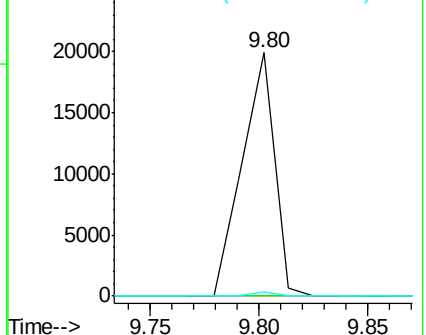
89 1.9 53.7 80.5#

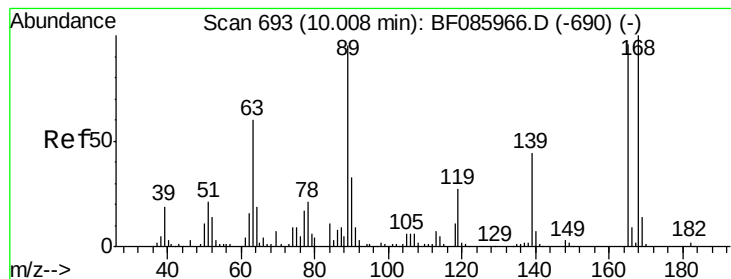


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.29 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.21 min

Lab File: BF086072.D

Acq: 5 Apr 2016 8:49

Instrument :

BNA_F

ClientSampleId :

PB89469TB

Tot Ion:165 Resp: 20576

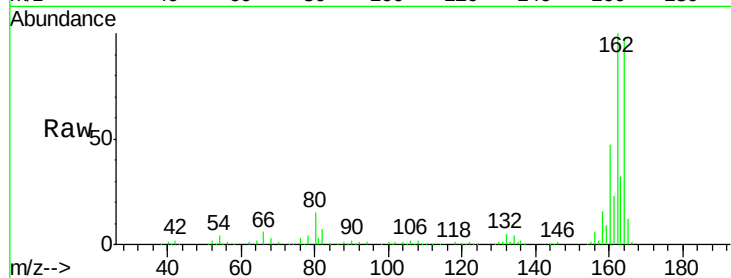
Ion Ratio Lower Upper

165 100

63 0.0 24.9 37.3#

89 1.9 41.0 61.6#

182 0.0 2.1 3.1#

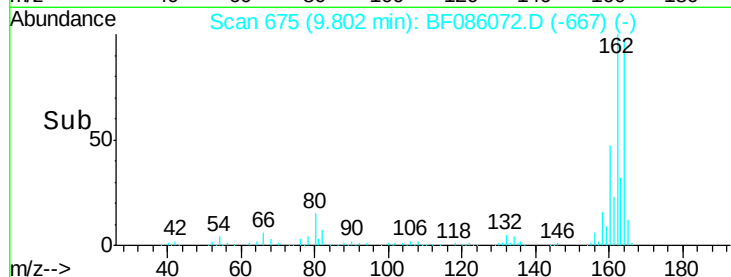


Abundance Ion 165.00 (164.70 to 165.70): E

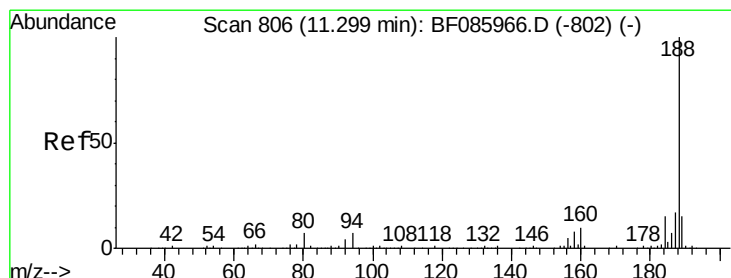
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.02 min

Lab File: BF086072.D

Acq: 5 Apr 2016 8:49

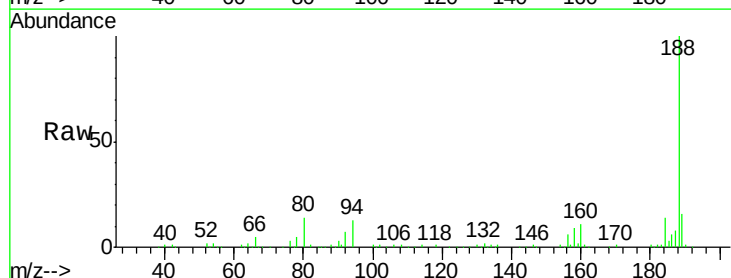
Tgt Ion:188 Resp: 256190

Ion Ratio Lower Upper

188 100

94 13.2 5.4 8.0#

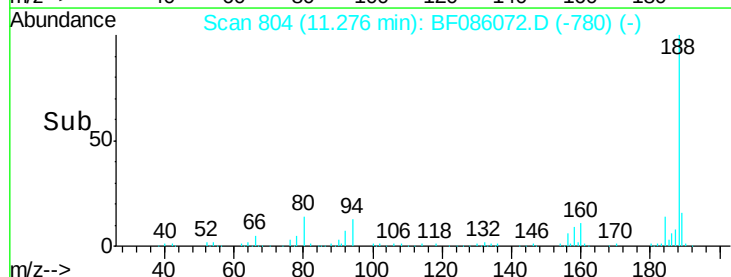
80 14.3 5.5 8.3#



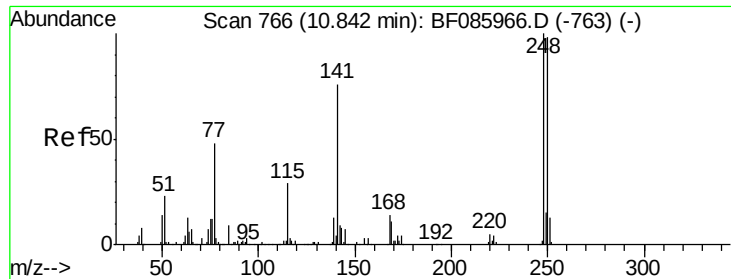
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.70 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.25 min

Lab File: BF086072.D

Acq: 5 Apr 2016 8:49

Instrument :

BNA_F

ClientSampleId :

PB89469TB

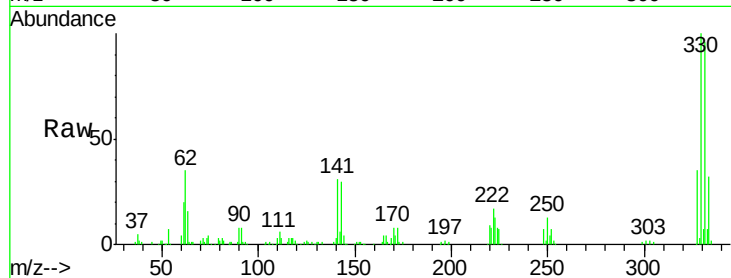
Tot Ion:248 Resp: 9665

Ion Ratio Lower Upper

248 100

250 196.2 77.4 116.0#

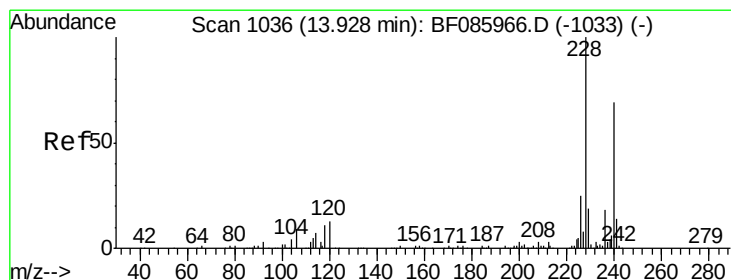
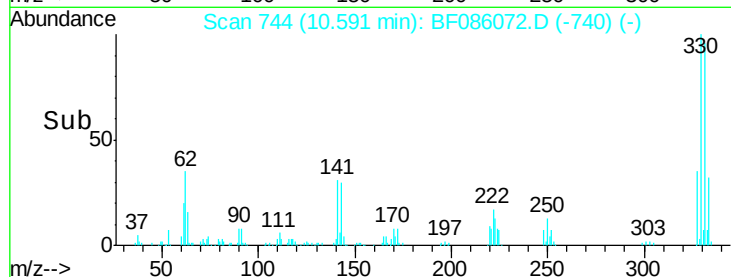
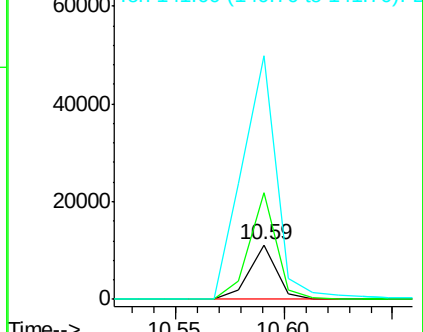
141 449.4 63.6 95.4#



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: BF086072.D

Acq: 5 Apr 2016 8:49

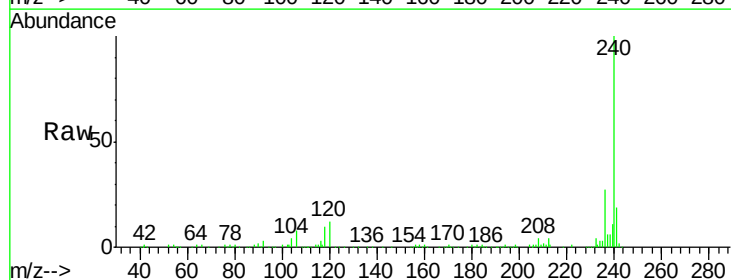
Tgt Ion:240 Resp: 194954

Ion Ratio Lower Upper

240 100

120 11.7 13.8 20.8#

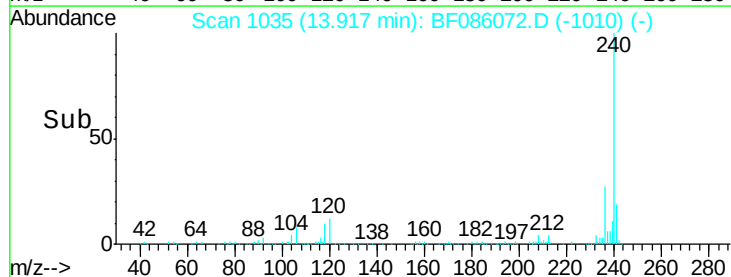
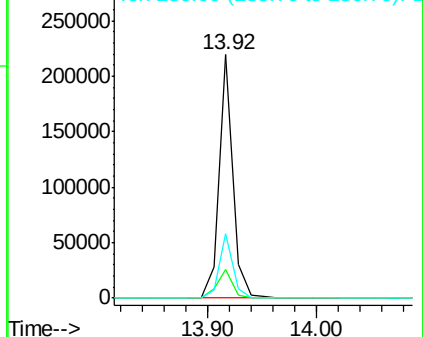
236 26.5 20.6 30.8

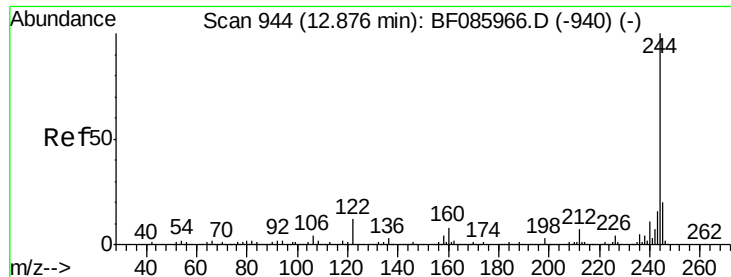


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

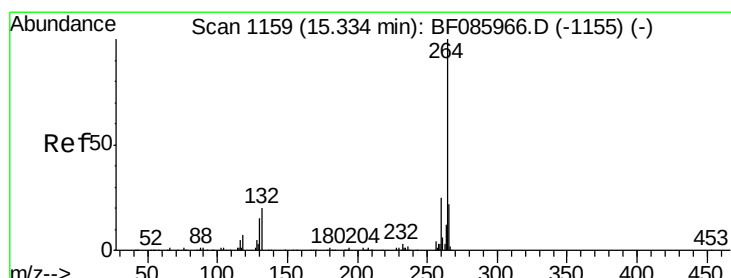
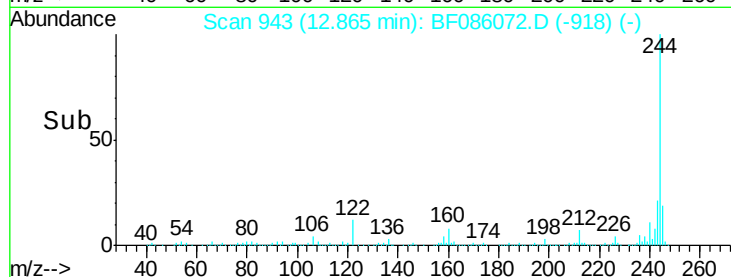
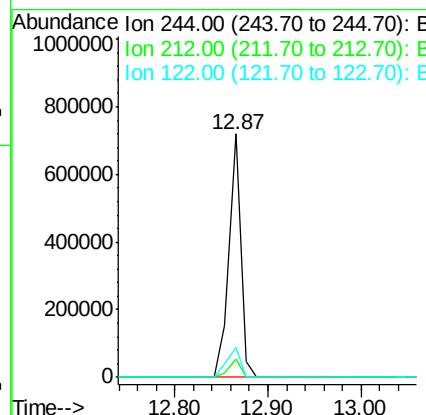
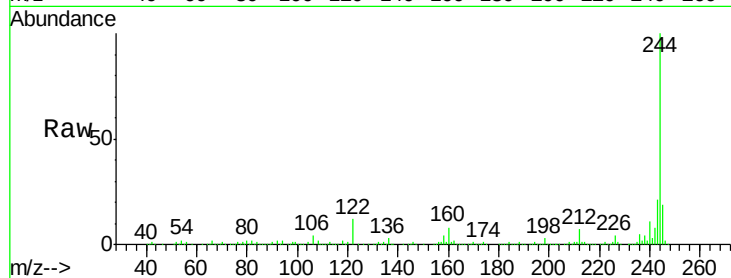




#78
 Terphenyl-d14
 Concen: 76.68 ng
 RT: 12.87 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BF086072.D
 Acq: 5 Apr 2016 8:49

Instrument :
 BNA_F
 ClientSampleId :
 PB89469TB

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	12.0	10.2	15.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: BF086072.D
 Acq: 5 Apr 2016 8:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	21.1	17.2	25.8

