

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062016\
 Data File : BF088200.D
 Acq On : 21 Jun 2016 5:36
 Operator : UM/SJ
 Sample : H3611-15
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-UP3-COMP

Quant Time: Jun 21 06:09:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 17:39:32 2016
 Response via : Initial Calibration

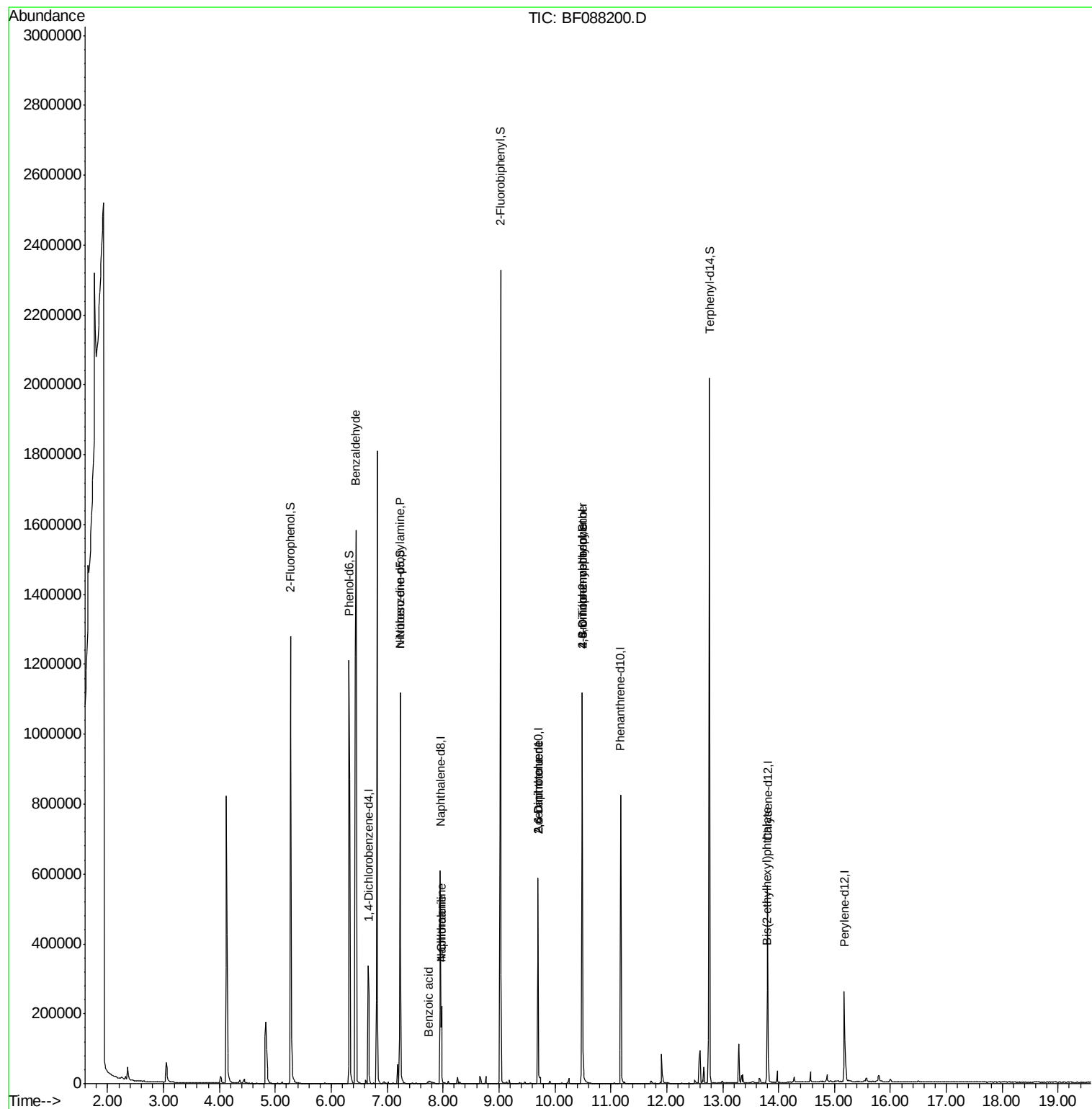
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	74227	20.00	ng	-0.01
21) Naphthalene-d8	7.95	136	307082	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	144492	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	283175	20.00	ng	0.00
75) Chrysene-d12	13.81	240	212711	20.00	ng	0.00
86) Perylene-d12	15.18	264	102135	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	567328	130.66	ng	0.01
7) Phenol-d6	6.32	99	626586	119.08	ng	-0.01
23) Nitrobenzene-d5	7.23	82	412615	78.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	195785	128.33	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	802358	87.39	ng	-0.01
78) Terphenyl-d14	12.77	244	865966	92.64	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.44	77	12674	3.26	ng	85
10) Phenol	6.44	94	1136	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.23	70	53231	15.81	ng	# 71
31) Naphthalene	7.98	128	134409	8.84	ng	97
32) Benzoic acid	7.75	122	7152	2.59	ng	96
33) 4-Chloroaniline	7.98	127	16607	2.45	ng	# 32
45) 1,1'-Biphenyl	9.13	154	2386	Below Cal		97
50) 2,6-Dinitrotoluene	9.70	165	18078	7.54	ng	# 37
56) 2,4-Dinitrotoluene	9.70	165	18078	5.87	ng	# 36
57) Fluorene	10.25	166	5196	Below Cal		96
64) 4,6-Dinitro-2-methylphenol	10.49	198	246	2.30	ng	# 1
66) 4-Bromophenyl-phenylether	10.49	248	12348	4.06	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.79	149	17941	2.11	ng	# 98

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062016\
Data File : BF088200.D
Acq On : 21 Jun 2016 5:36
Operator : UM/SJ
Sample : H3611-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-UP3-COMP

Quant Time: Jun 21 06:09:07 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 20 17:39:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF088200.D

Acq: 21 Jun 2016 5:36

Instrument :

BNA_F

ClientSampleId :

PL-UP3-COMP

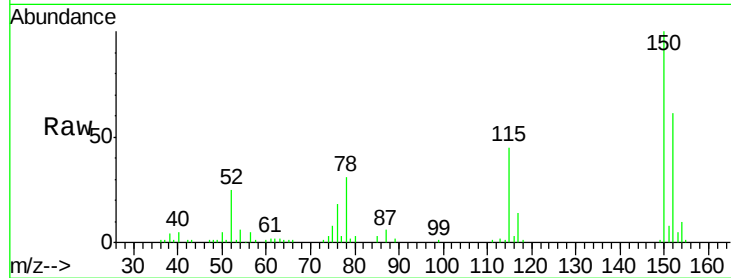
Tgt Ion:152 Resp: 74227

Ion Ratio Lower Upper

152 100

150 163.8 123.8 185.6

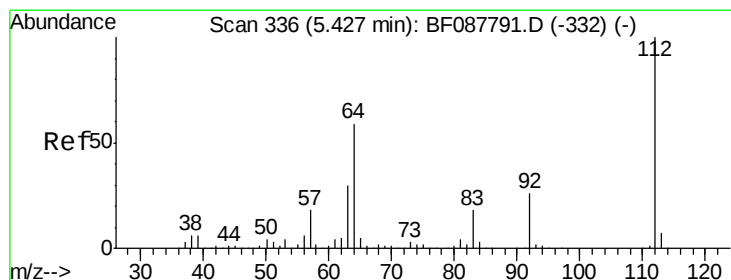
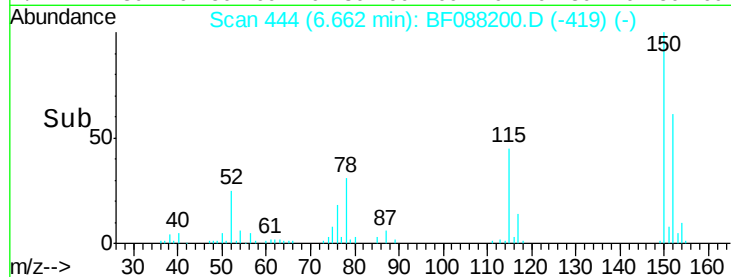
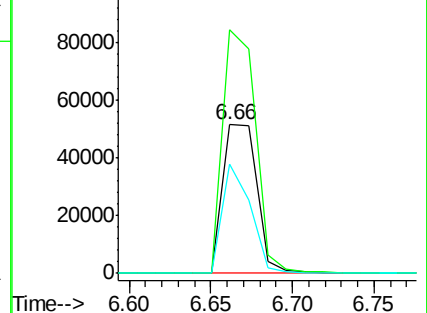
115 73.2 39.6 59.4#



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: 130.66 ng

RT: 5.27 min Scan# 322

Delta R.T. 0.01 min

Lab File: BF088200.D

Acq: 21 Jun 2016 5:36

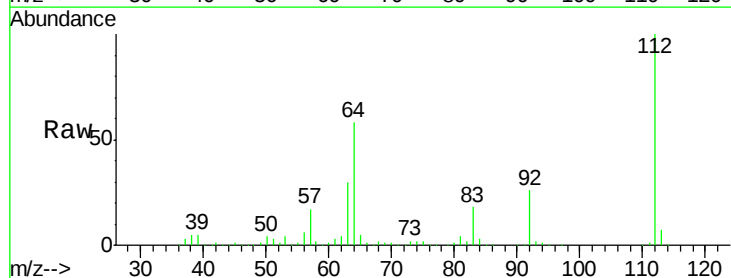
Tgt Ion:112 Resp: 567328

Ion Ratio Lower Upper

112 100

64 58.4 42.2 63.2

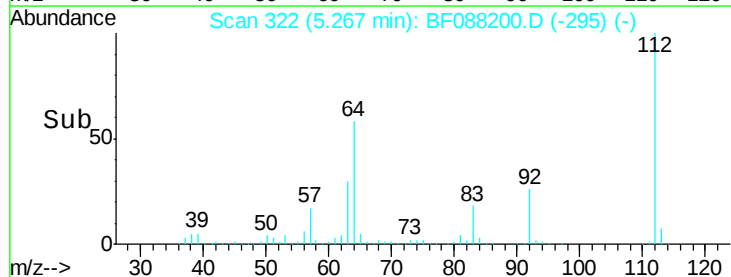
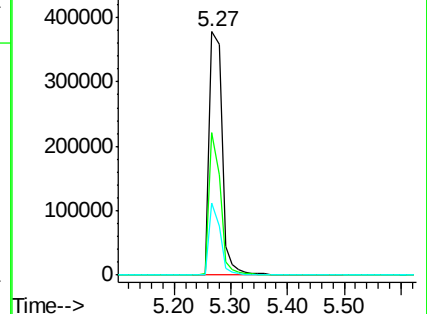
63 29.8 21.8 32.8

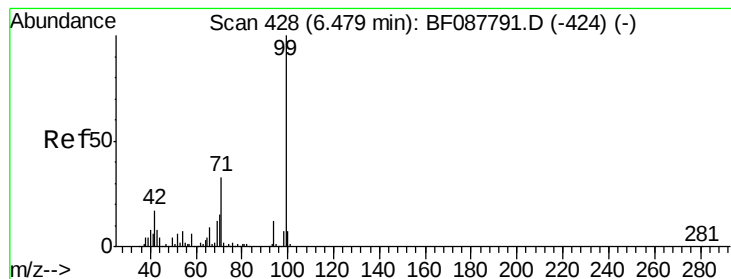


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 119.08 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF088200.D

Acq: 21 Jun 2016 5:36

Instrument :

BNA_F

ClientSampleId :

PL-UP3-COMP

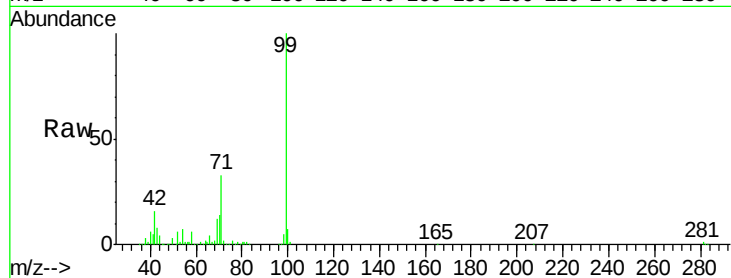
Tgt Ion: 99 Resp: 626586

Ion Ratio Lower Upper

99 100

42 15.8 12.2 18.2

71 33.4 23.4 35.0



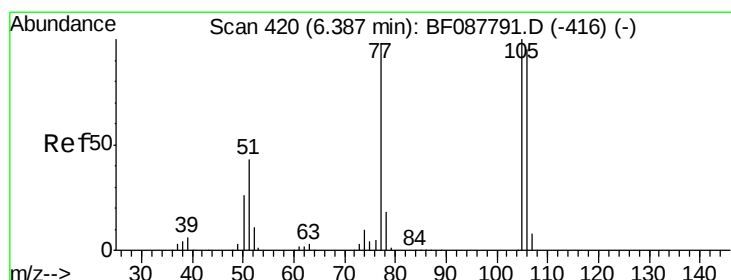
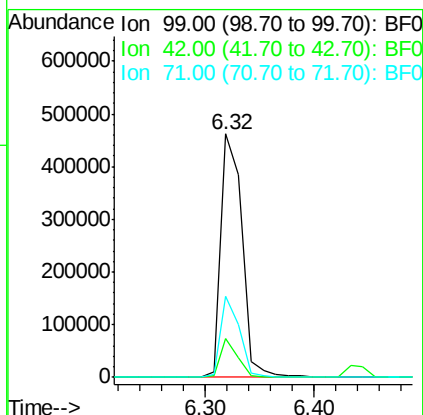
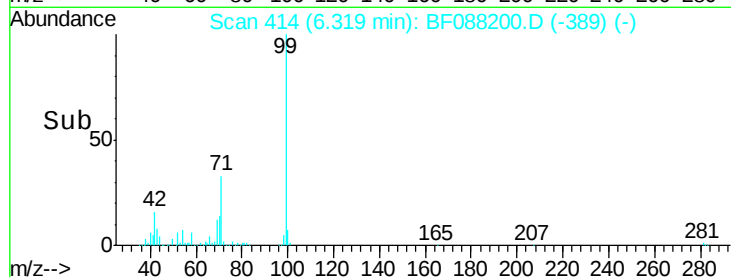
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

6.32

Time-->



#9

Benzaldehyde

Concen: 3.26 ng

RT: 6.44 min Scan# 425

Delta R.T. 0.23 min

Lab File: BF088200.D

Acq: 21 Jun 2016 5:36

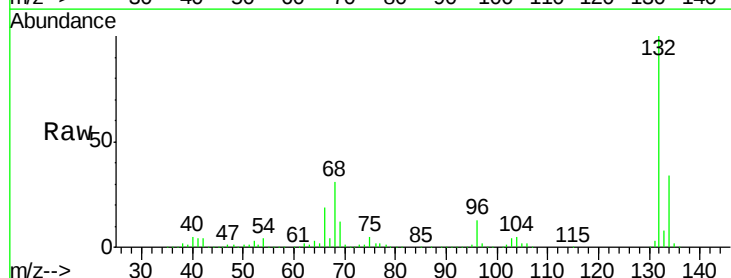
Tgt Ion: 77 Resp: 12674

Ion Ratio Lower Upper

77 100

105 94.4 90.6 130.6

106 89.7 85.3 125.3



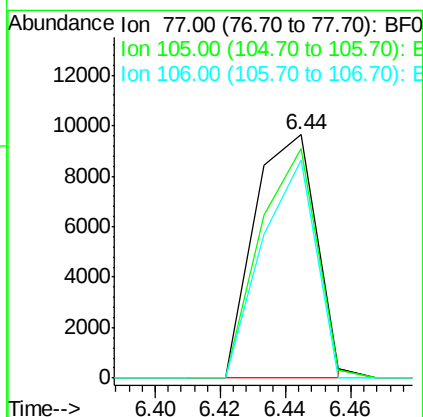
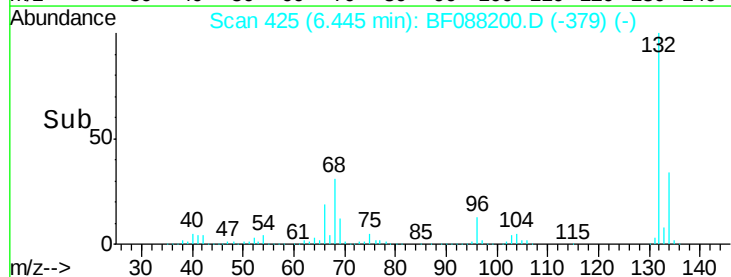
Abundance Ion 77.00 (76.70 to 77.70): BF0

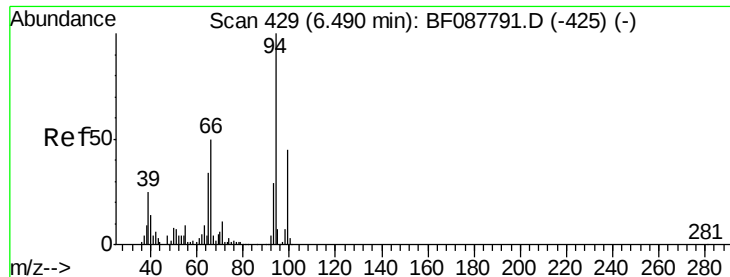
Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

6.44

Time-->





#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. 0.10 min

Lab File: BF088200.D

Acq: 21 Jun 2016 5:36

Instrument :

BNA_F

ClientSampleId :

PL-UP3-COMP

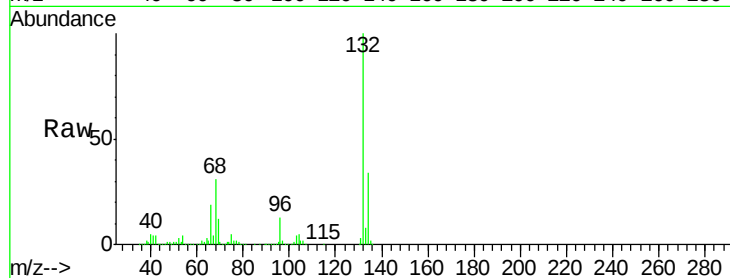
Tgt Ion: 94 Resp: 1136

Ion Ratio Lower Upper

94 100

65 1010.9 5.9 45.9#

66 11333.2 14.0 54.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

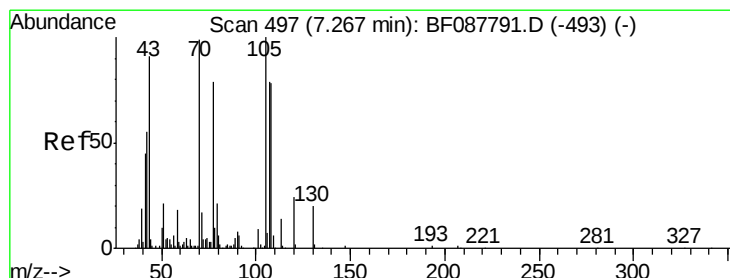
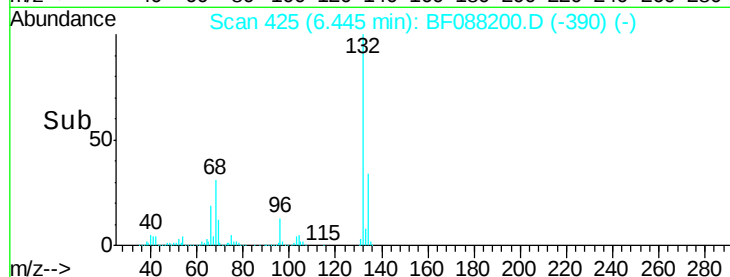
Ion 66.00 (65.70 to 66.70): BF0

100000

50000

0

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 15.81 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.14 min

Lab File: BF088200.D

Acq: 21 Jun 2016 5:36

Tgt Ion: 70 Resp: 53231

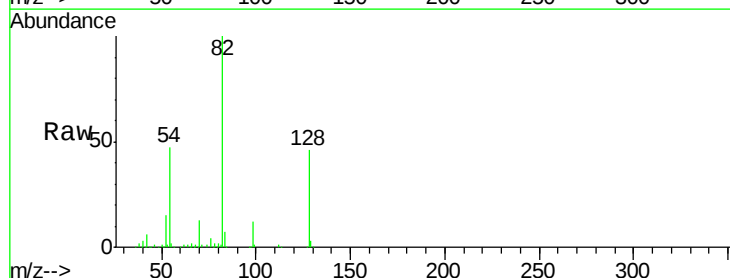
Ion Ratio Lower Upper

70 100

42 41.2 49.6 74.4#

101 0.0 7.1 10.7#

130 2.5 15.4 23.2#



Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

80000

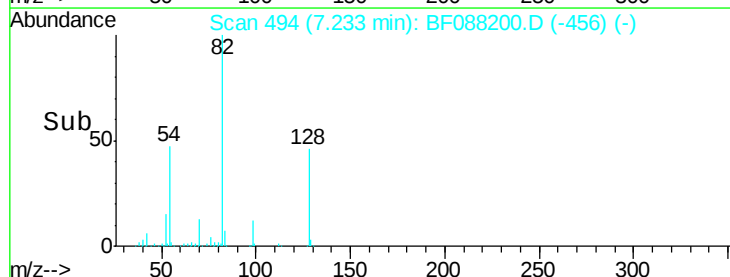
60000

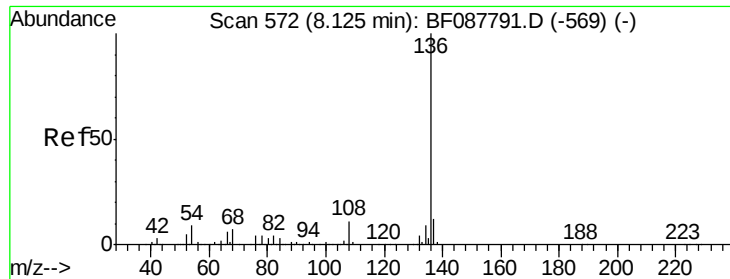
40000

20000

0

Time-->

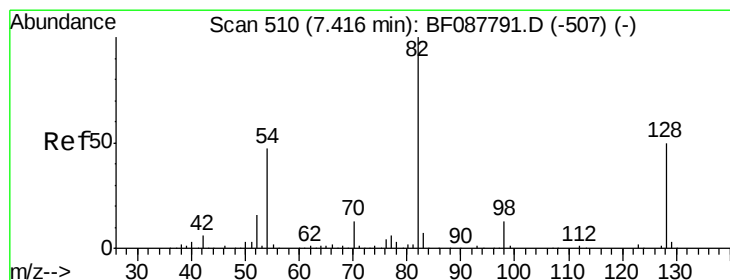
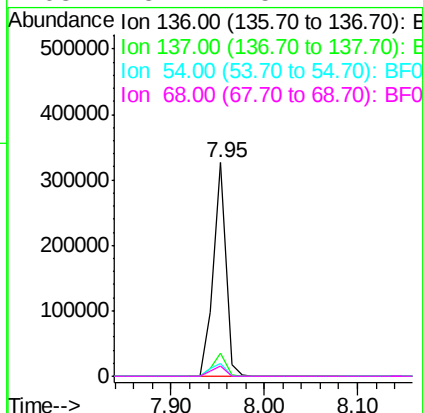
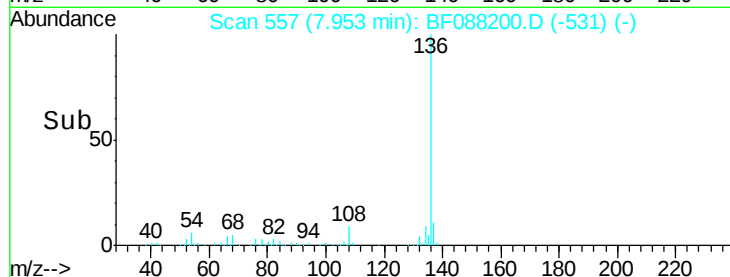
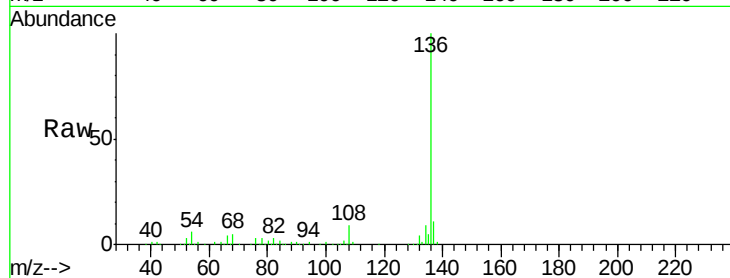




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF088200.D
Acq: 21 Jun 2016 5:36

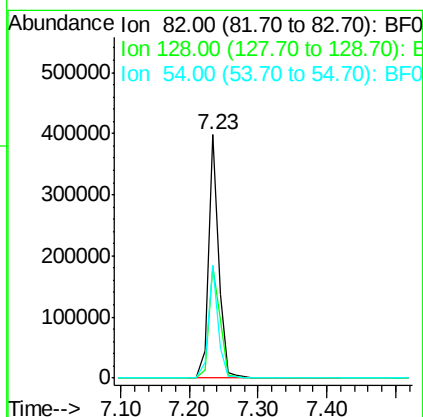
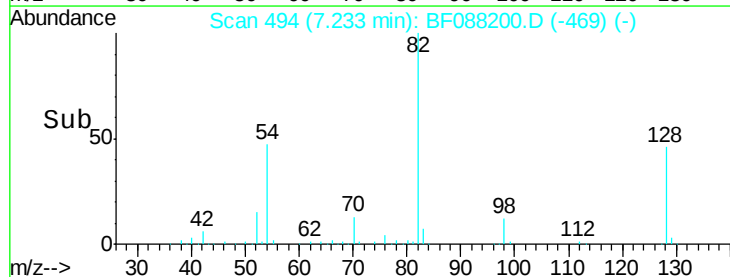
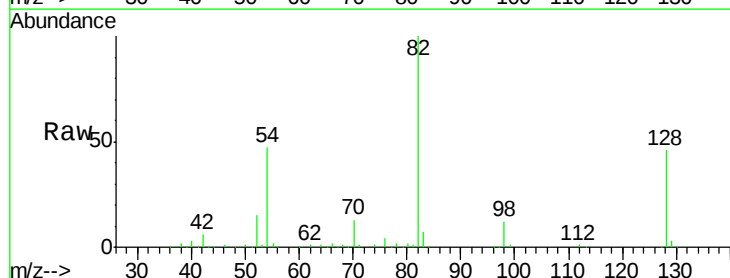
Instrument :
BNA_F
ClientSampleId :
PL-UP3-COMP

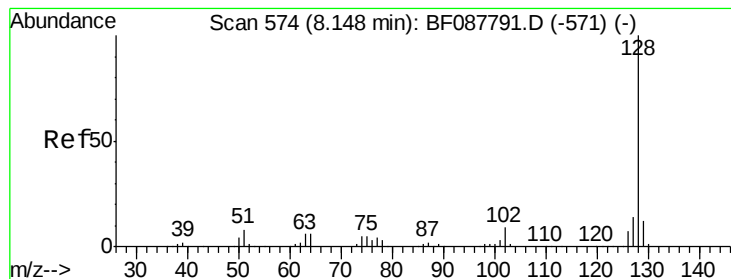
Tgt Ion:	136	Resp:	307082
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	5.8	6.6	10.0#
68	5.1	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 78.46 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.01 min
Lab File: BF088200.D
Acq: 21 Jun 2016 5:36

Tgt Ion:	82	Resp:	412615
Ion	Ratio	Lower	Upper
82	100		
128	45.9	35.9	53.9
54	46.6	40.9	61.3





#31

Naphthalene

Concen: 8.84 ng

RT: 7.98 min Scan# 559

Delta R.T. 0.00 min

Lab File: BF088200.D

Acq: 21 Jun 2016 5:36

Instrument :

BNA_F

ClientSampleId :

PL-UP3-COMP

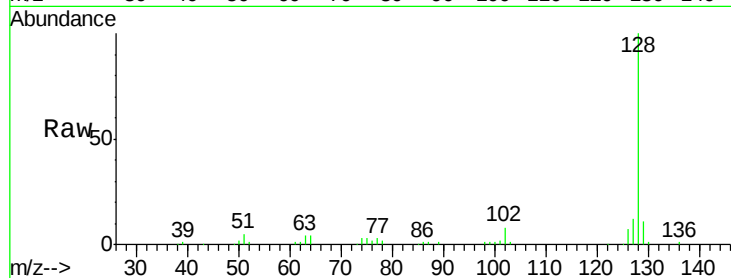
Tgt Ion:128 Resp: 134409

Ion Ratio Lower Upper

128 100

129 10.8 9.4 14.2

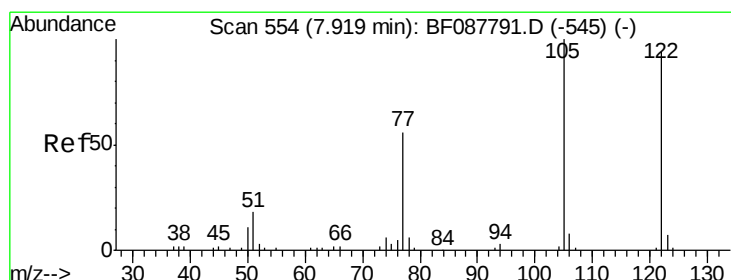
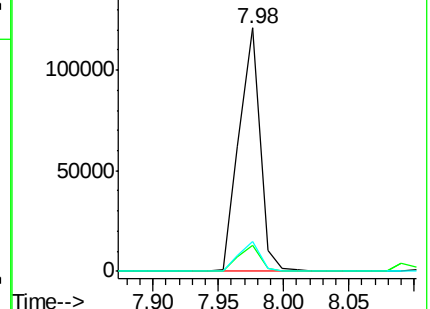
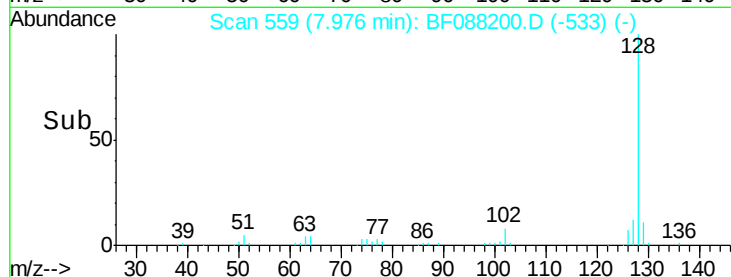
127 12.5 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.59 ng

RT: 7.75 min Scan# 539

Delta R.T. -0.01 min

Lab File: BF088200.D

Acq: 21 Jun 2016 5:36

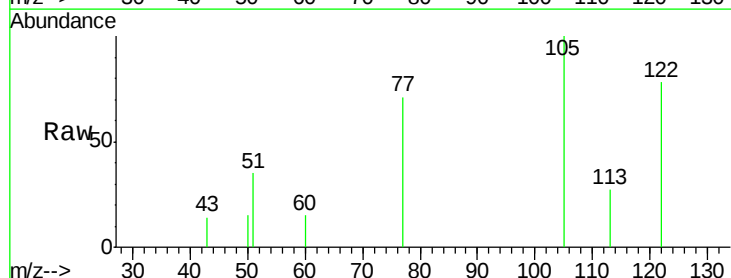
Tgt Ion:122 Resp: 7152

Ion Ratio Lower Upper

122 100

105 129.0 101.6 141.6

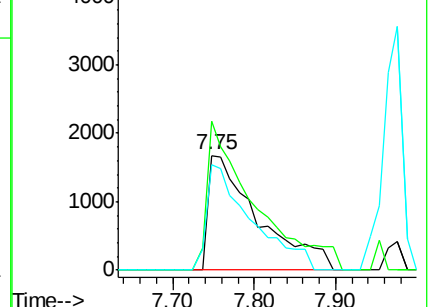
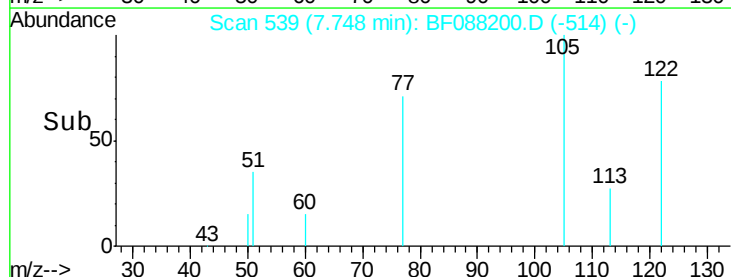
77 91.8 70.6 110.6

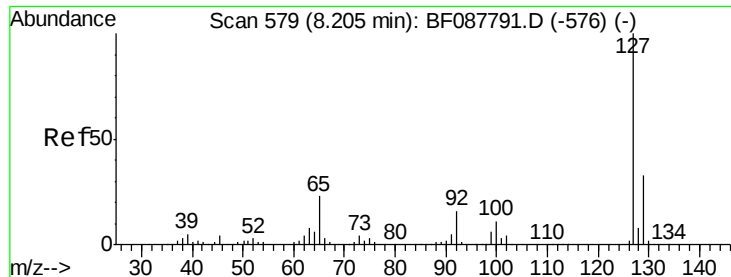


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

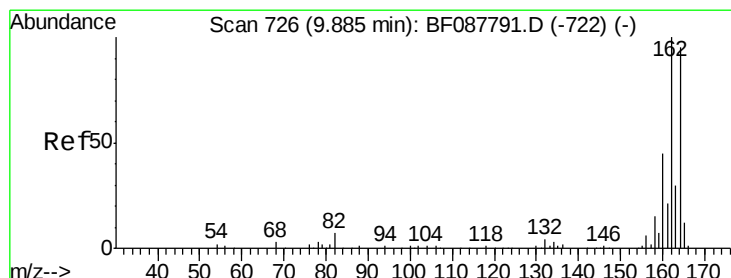
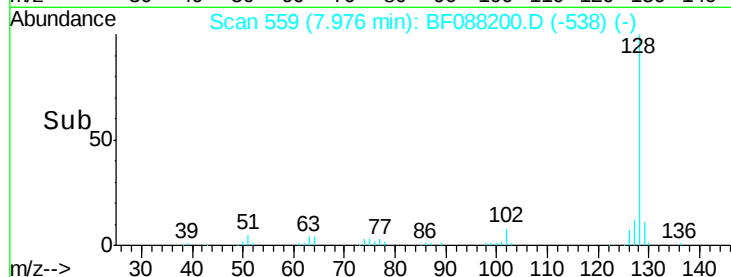
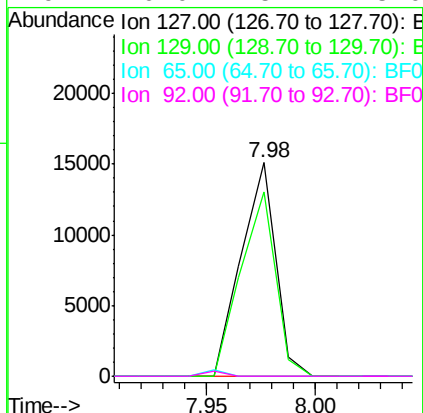
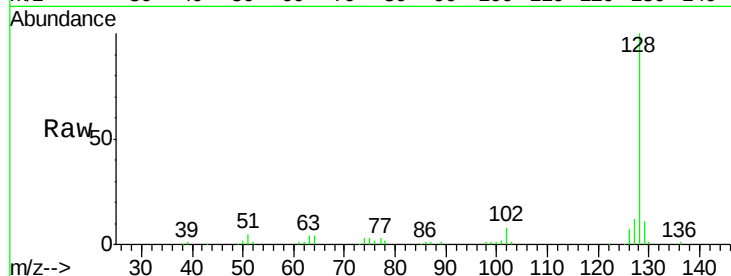




#33
4-Chloroaniline
Concen: 2.45 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.06 min
Lab File: BF088200.D
Acq: 21 Jun 2016 5:36

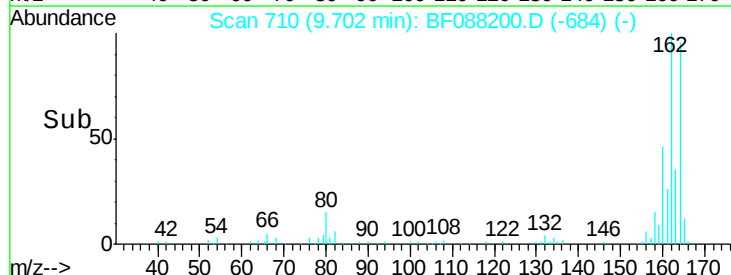
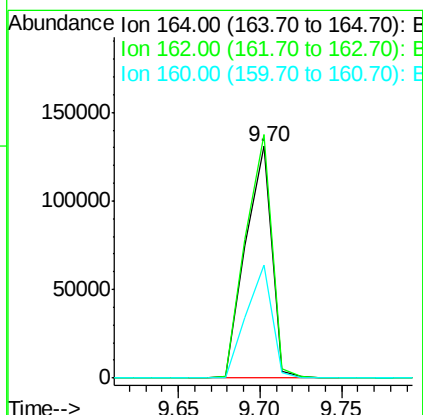
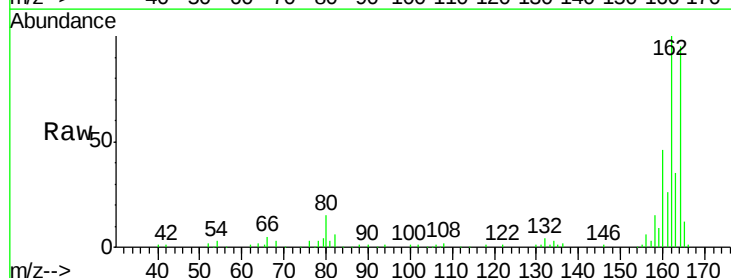
Instrument :
BNA_F
ClientSampleId :
PL-UP3-COMP

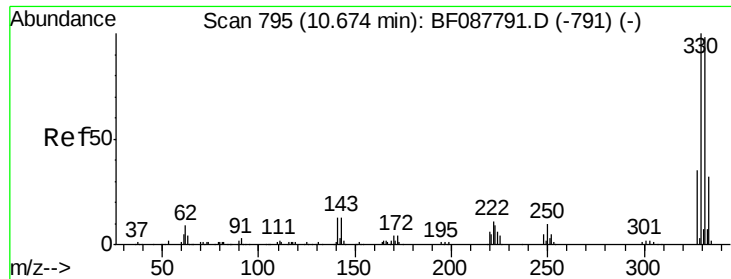
Tgt Ion:	127	Resp:	16607
Ion	Ratio	Lower	Upper
127	100		
129	86.4	26.3	39.5#
65	0.0	24.7	37.1#
92	0.0	15.4	23.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 710
Delta R.T. 0.00 min
Lab File: BF088200.D
Acq: 21 Jun 2016 5:36

Tgt Ion:	164	Resp:	144492
Ion	Ratio	Lower	Upper
164	100		
162	105.1	85.4	128.2
160	48.6	39.5	59.3

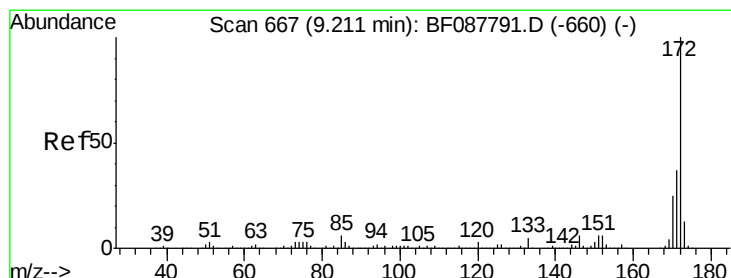
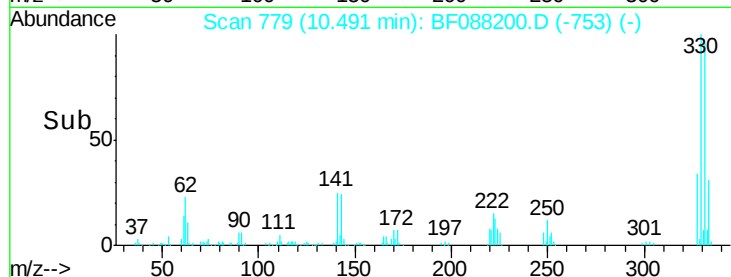
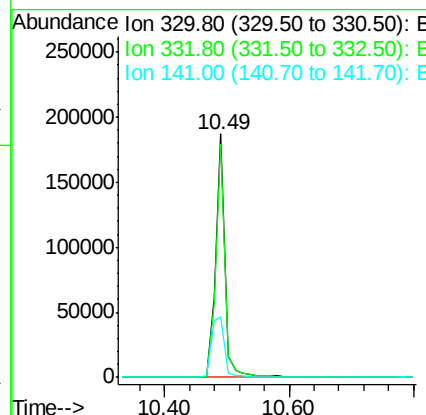
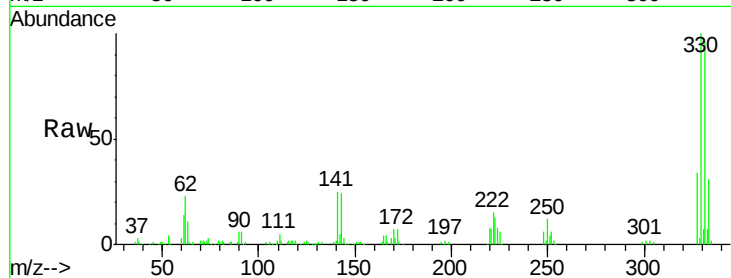




#41
 2,4,6-Tribromophenol
 Concen: 128.33 ng
 RT: 10.49 min Scan# 779
 Delta R.T. 0.00 min
 Lab File: BF088200.D
 Acq: 21 Jun 2016 5:36

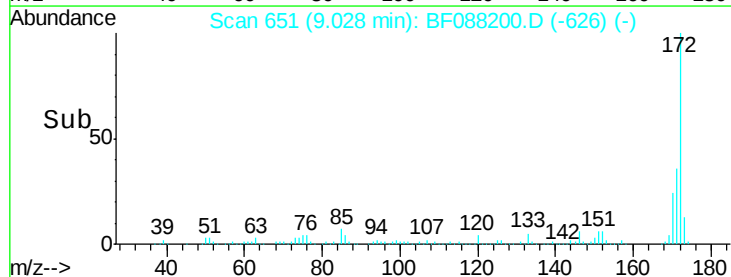
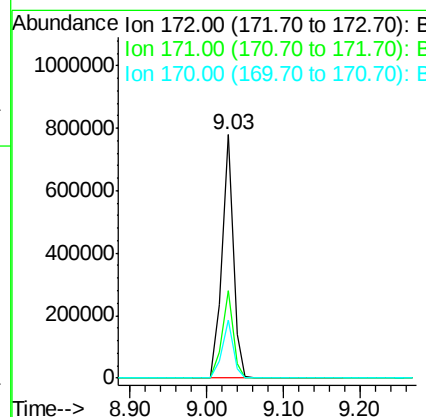
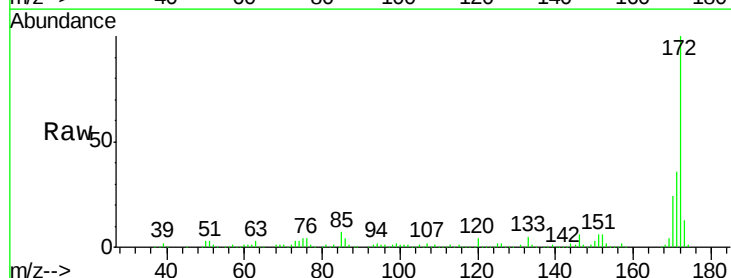
Instrument :
 BNA_F
 ClientSampleId :
 PL-UP3-COMP

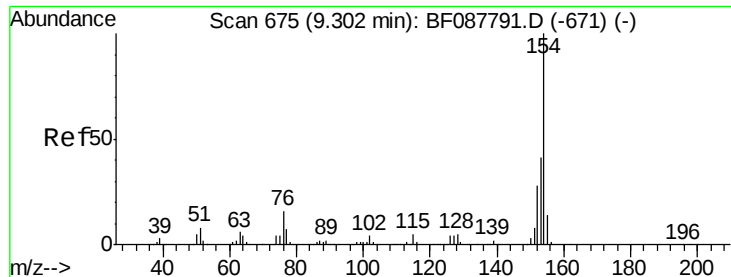
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	195785		
332	95.1	0.0	0.0	0.0
141	35.4	0.0	0.0	0.0



#44
 2-Fluorobiphenyl
 Concen: 87.39 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.01 min
 Lab File: BF088200.D
 Acq: 21 Jun 2016 5:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	802358		
171	35.9	28.6	43.0	
170	24.0	19.2	28.8	

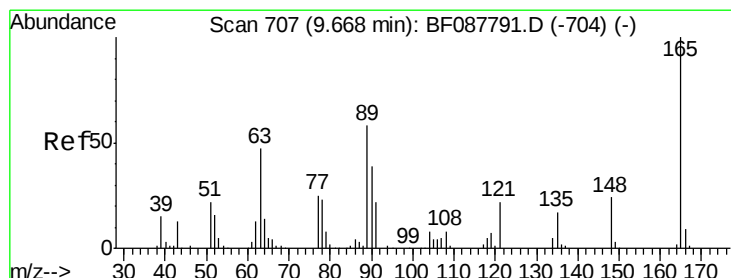
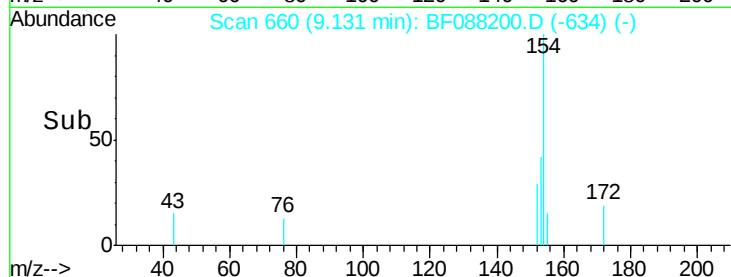
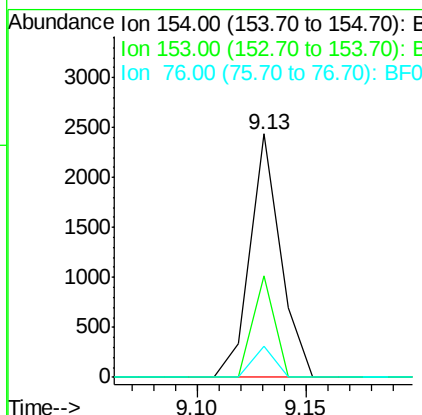
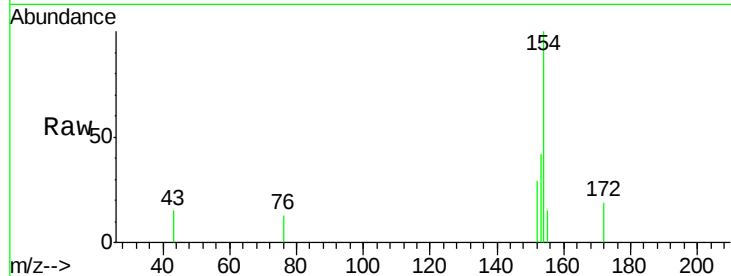




#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.13 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: BF088200.D
 Acq: 21 Jun 2016 5:36

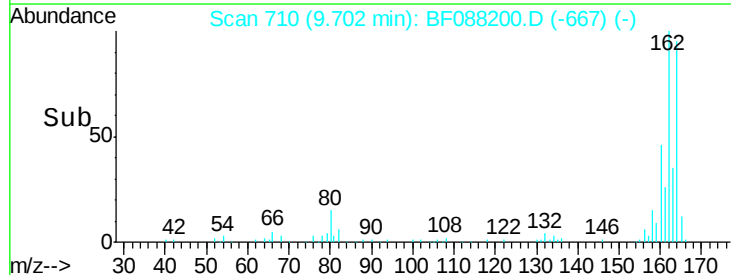
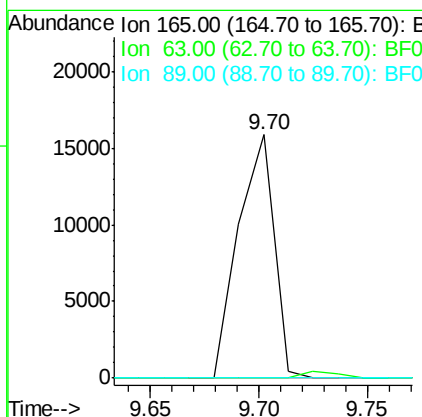
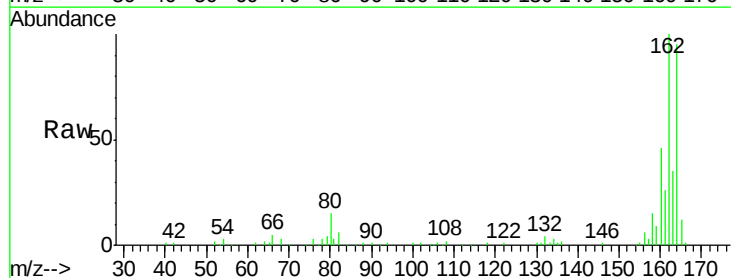
Instrument :
 BNA_F
 ClientSampleId :
 PL-UP3-COMP

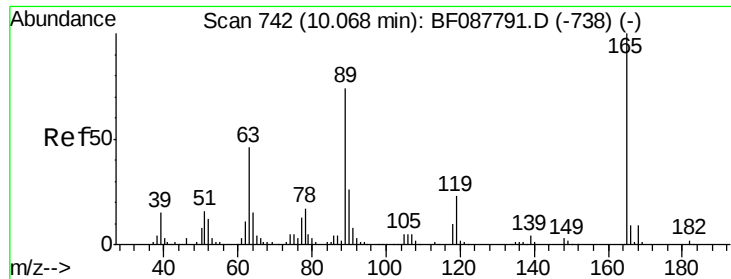
Tgt Ion:154 Resp: 2386
 Ion Ratio Lower Upper
 154 100
 153 41.7 20.6 60.6
 76 12.6 0.0 35.1



#50
 2,6-Dinitrotoluene
 Concen: 7.54 ng
 RT: 9.70 min Scan# 710
 Delta R.T. 0.19 min
 Lab File: BF088200.D
 Acq: 21 Jun 2016 5:36

Tgt Ion:165 Resp: 18078
 Ion Ratio Lower Upper
 165 100
 63 0.0 28.1 42.1#
 89 0.0 32.2 48.2#

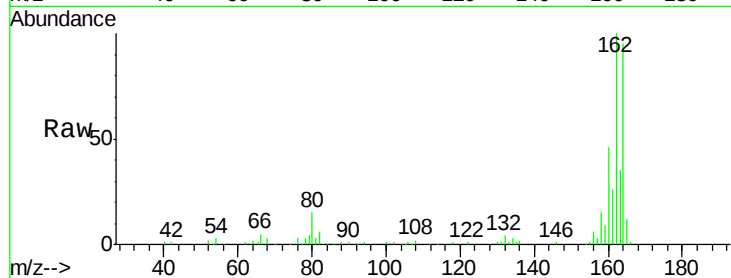




#56
2,4-Dinitrotoluene
Concen: 5.87 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.21 min
Lab File: BF088200.D
Acq: 21 Jun 2016 5:36

Instrument :
BNA_F
ClientSampleId :
PL-UP3-COMP

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

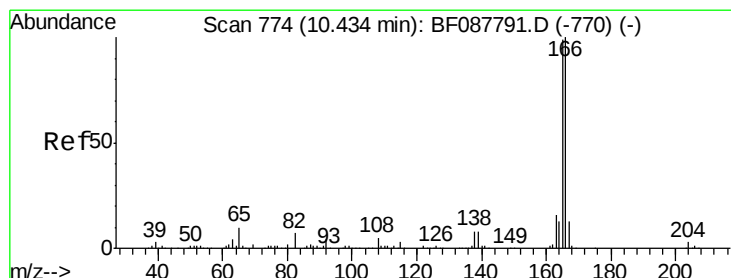
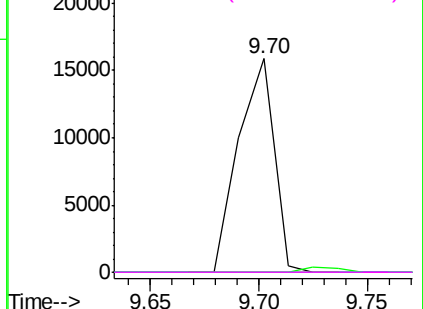
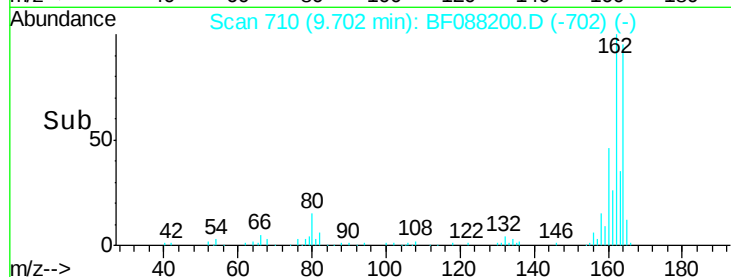


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

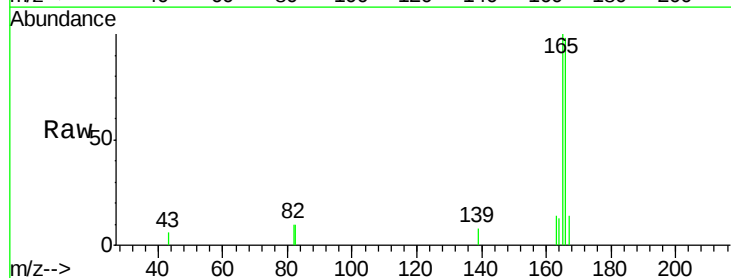
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.25 min Scan# 758
Delta R.T. 0.00 min
Lab File: BF088200.D
Acq: 21 Jun 2016 5:36

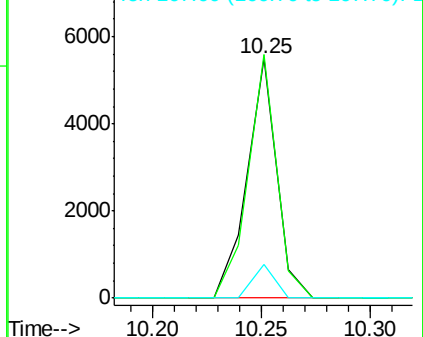
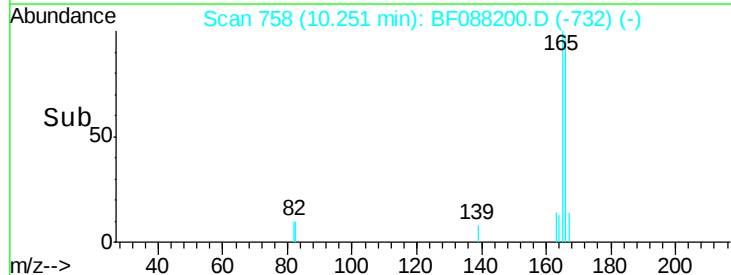
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.8	77.8	116.8
167	14.1	11.2	16.8

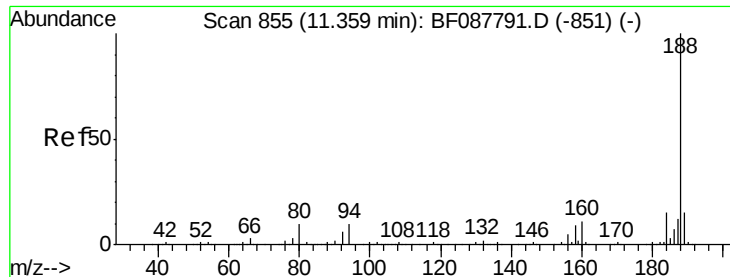


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

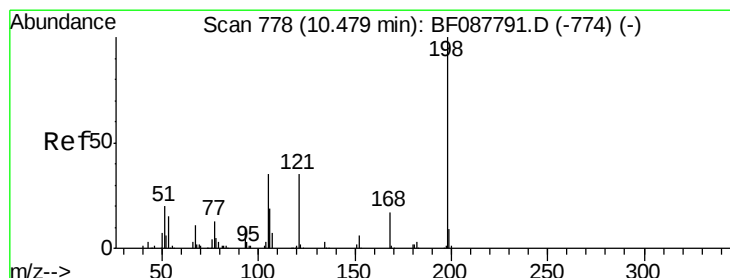
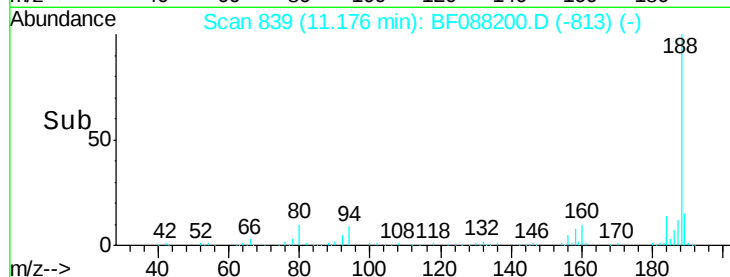
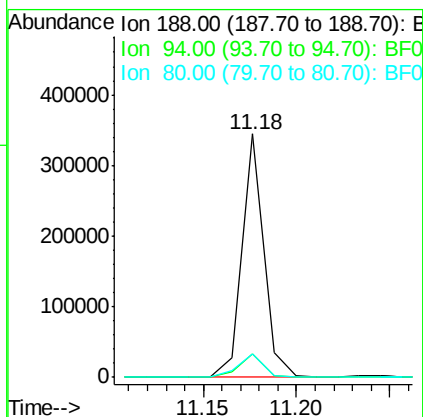
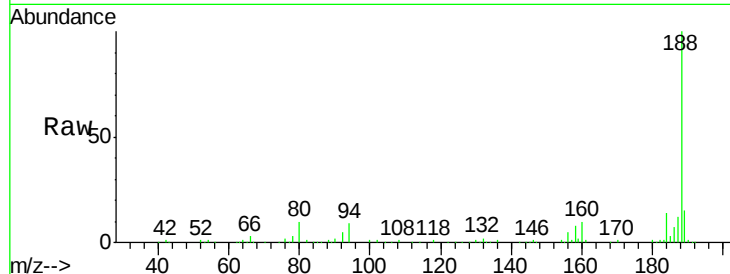




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.18 min Scan# 839
 Delta R.T. 0.00 min
 Lab File: BF088200.D
 Acq: 21 Jun 2016 5:36

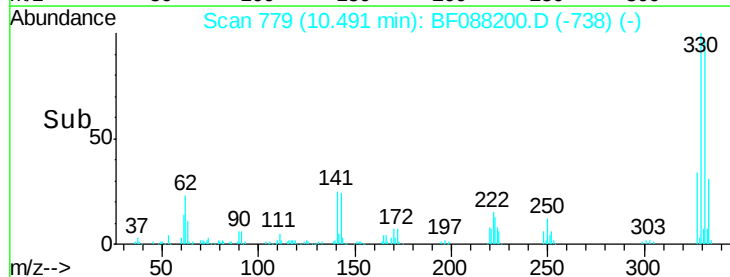
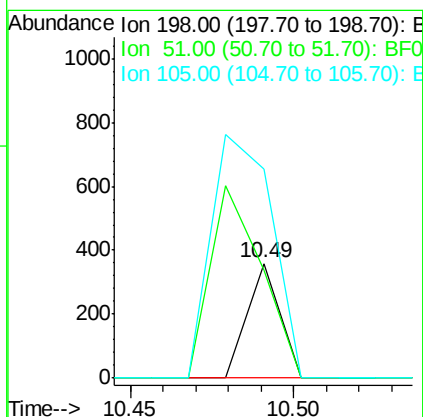
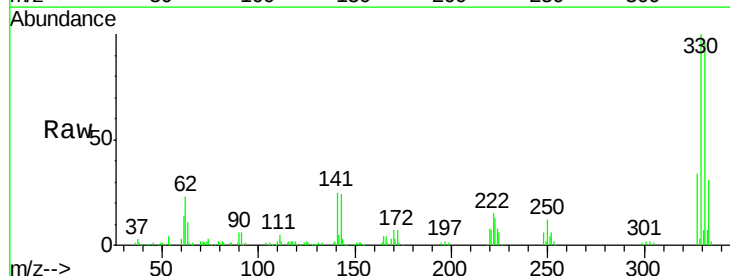
Instrument :
 BNA_F
 ClientSampleId :
 PL-UP3-COMP

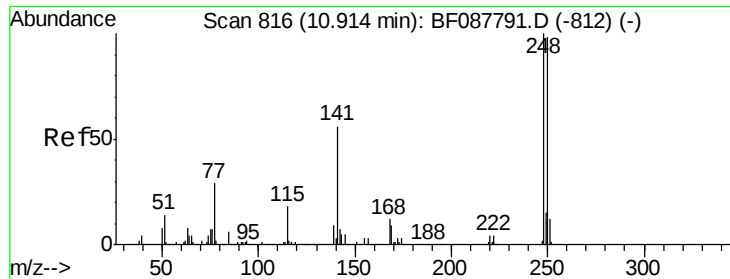
Tgt Ion:188 Resp: 283175
 Ion Ratio Lower Upper
 188 100
 94 9.4 9.0 13.6
 80 9.6 10.0 15.0#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.30 ng
 RT: 10.49 min Scan# 779
 Delta R.T. 0.17 min
 Lab File: BF088200.D
 Acq: 21 Jun 2016 5:36

Tgt Ion:198 Resp: 246
 Ion Ratio Lower Upper
 198 100
 51 94.4 39.6 79.6#
 105 182.5 36.6 76.6#

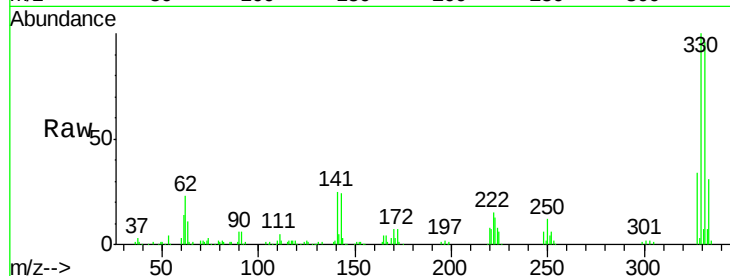




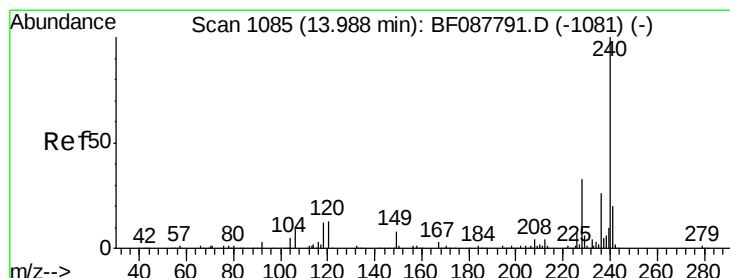
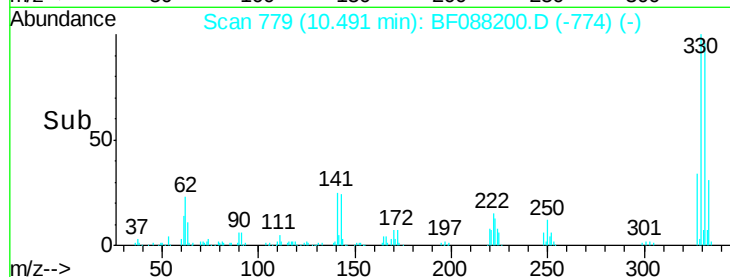
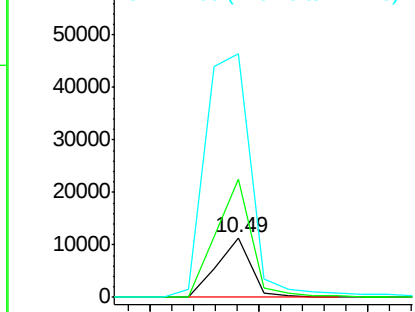
#66
 4-Bromophenyl-phenylether
 Concen: 4.06 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.24 min
 Lab File: BF088200.D
 Acq: 21 Jun 2016 5:36

Instrument :
 BNA_F
 ClientSampleId :
 PL-UP3-COMP

Tgt Ion:248 Resp: 12348
 Ion Ratio Lower Upper
 248 100
 250 198.2 77.1 115.7#
 141 410.4 50.6 76.0#

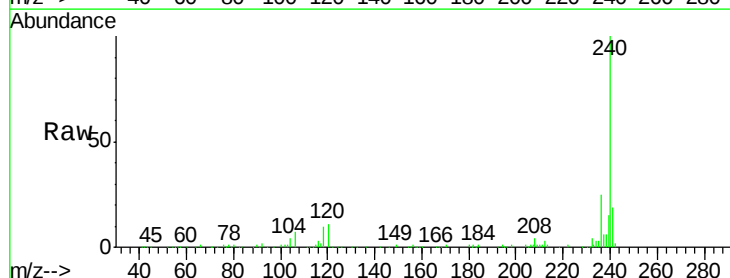


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

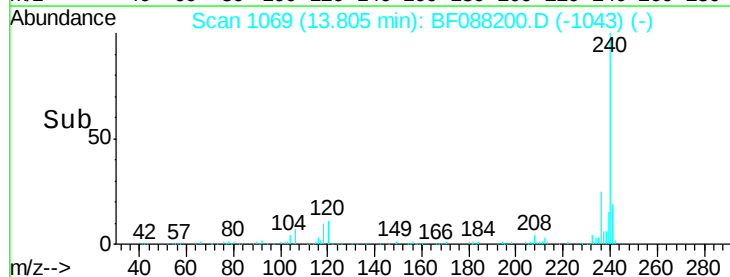
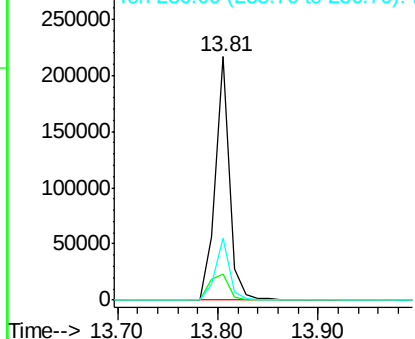


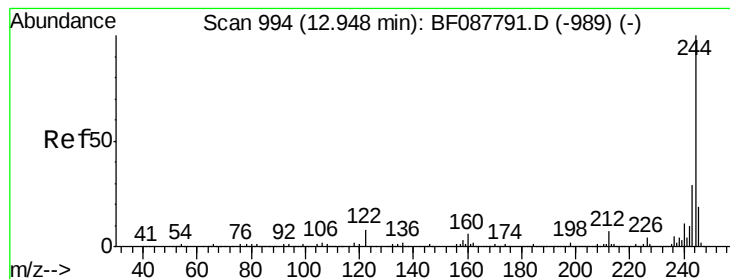
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: BF088200.D
 Acq: 21 Jun 2016 5:36

Tgt Ion:240 Resp: 212711
 Ion Ratio Lower Upper
 240 100
 120 10.8 6.8 10.2#
 236 25.3 20.2 30.2



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: 92.64 ng

RT: 12.77 min Scan# 978

Delta R.T. 0.00 min

Lab File: BF088200.D

Acq: 21 Jun 2016 5:36

Instrument :

BNA_F

ClientSampleId :

PL-UP3-COMP

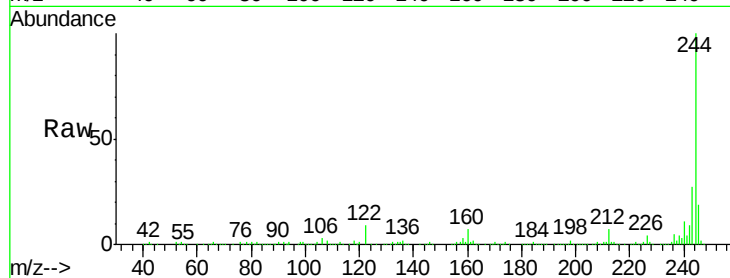
Tgt Ion:244 Resp: 865966

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

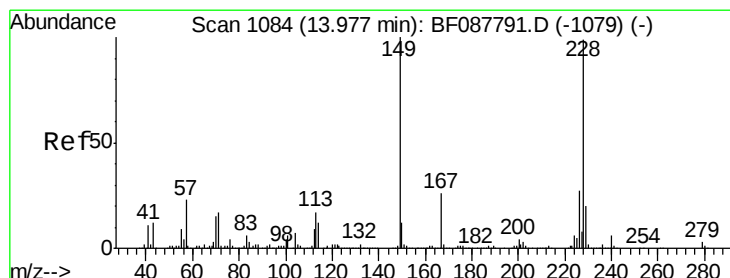
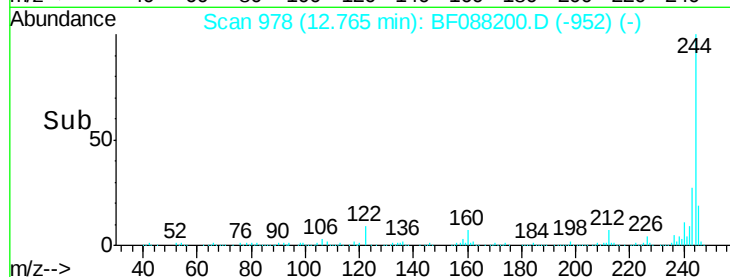
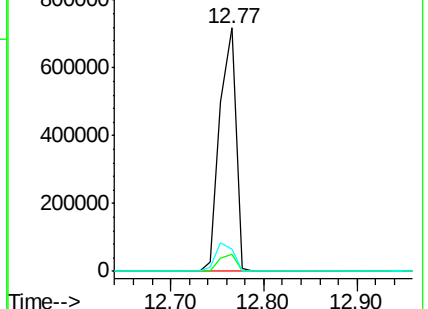
122 9.0 11.2 16.8#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.11 ng

RT: 13.79 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BF088200.D

Acq: 21 Jun 2016 5:36

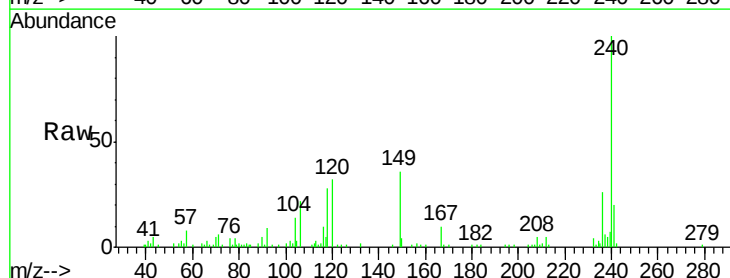
Tgt Ion:149 Resp: 17941

Ion Ratio Lower Upper

149 100

167 26.6 20.5 30.7

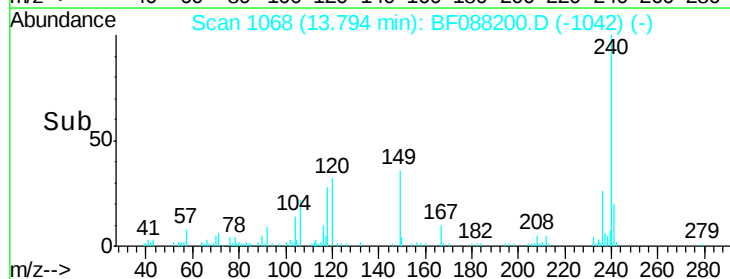
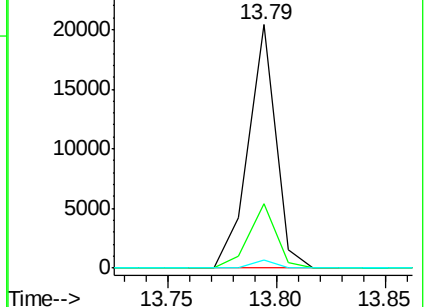
279 3.2 2.0 3.0#

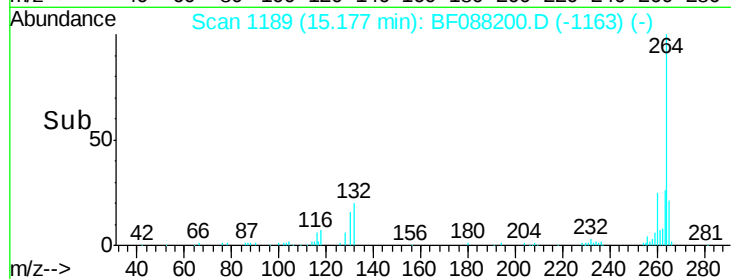
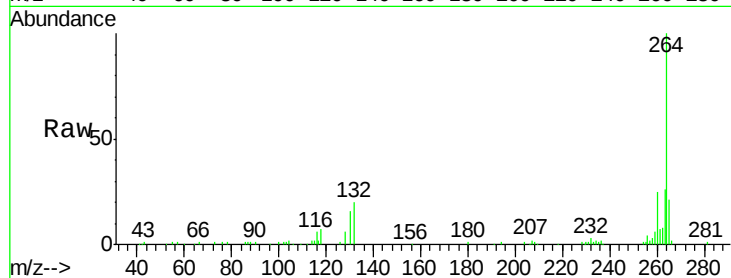
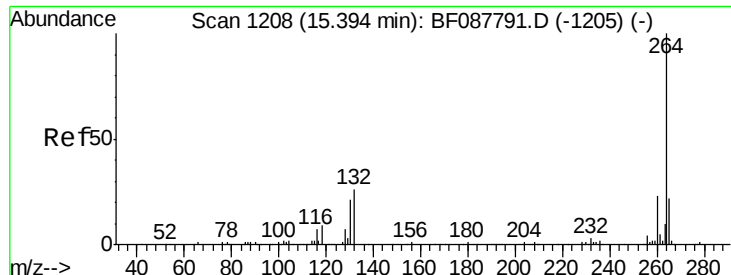


Abundance Ion 149.00 (148.70 to 149.70): E

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: 15.18 min Scan# 1189

Delta R.T. 0.00 min

Lab File: BF088200.D

Acq: 21 Jun 2016 5:36

Instrument :

BNA_F

ClientSampleId :

PL-UP3-COMP

Tgt Ion: 264 Resp: 102135

Ion Ratio Lower Upper

264 100

260 25.4 19.2 28.8

265 20.8 16.9 25.3

