

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062016\
 Data File : BF088192.D
 Acq On : 21 Jun 2016 1:44
 Operator : UM/SJ
 Sample : PB91400BL
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91400BL

Quant Time: Jun 21 04:06:56 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

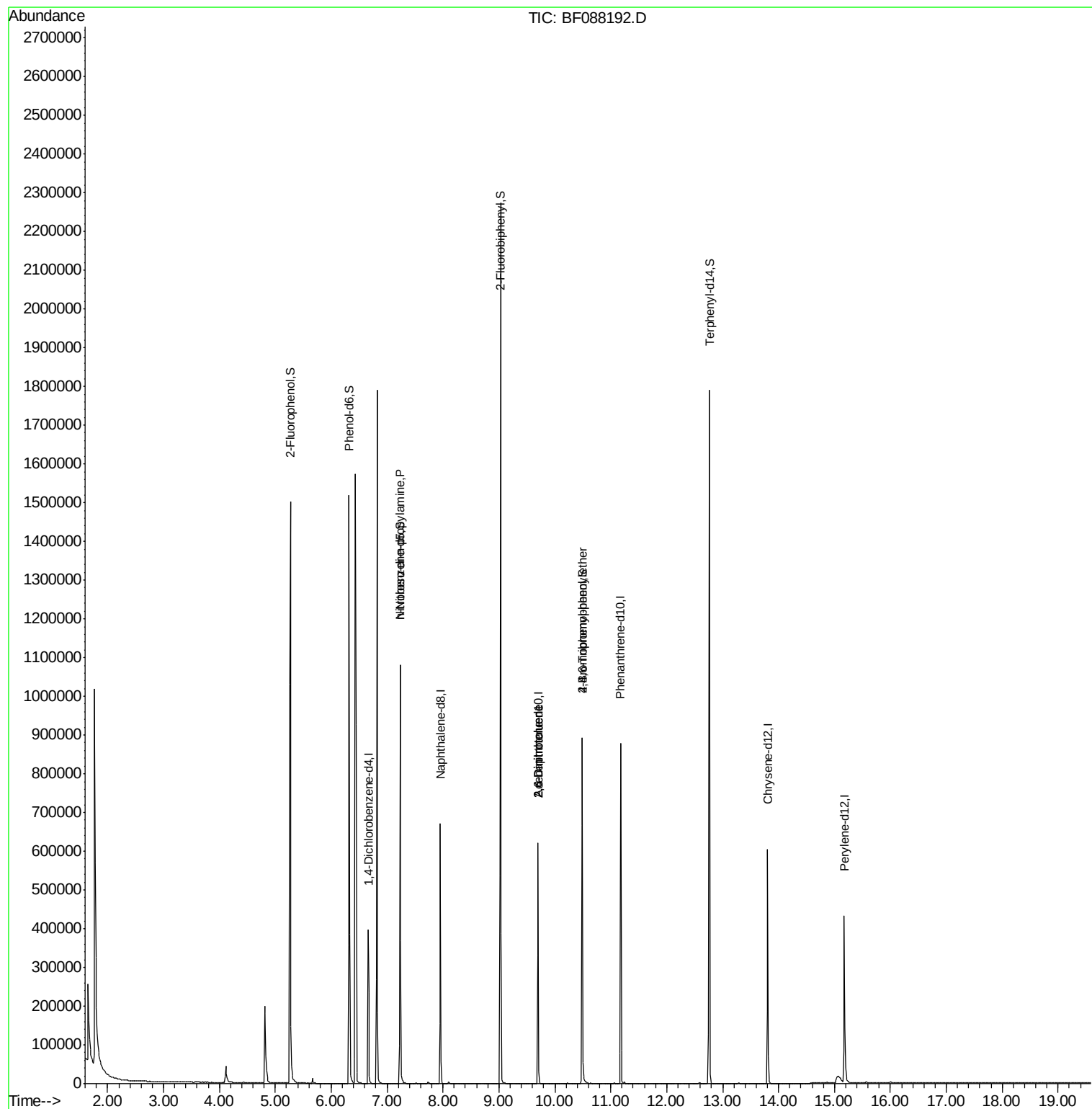
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	79659	20.00	ng	-0.01
21) Naphthalene-d8	7.95	136	326042	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	150379	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	296366	20.00	ng	0.00
75) Chrysene-d12	13.81	240	223434	20.00	ng	0.00
86) Perylene-d12	15.18	264	185546	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	610617	131.04	ng	0.01
7) Phenol-d6	6.32	99	635502	112.54	ng	-0.01
23) Nitrobenzene-d5	7.23	82	391046	70.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	155954	98.22	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	765055	79.57	ng	-0.01
78) Terphenyl-d14	12.76	244	821888	83.70	ng	0.00
Target Compounds						
10) Phenol	6.43	94	911	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.23	70	49465	13.69	ng	# 71
45) 1,1'-Biphenyl	9.03	154	1417	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.70	165	18780	7.53	ng	# 37
56) 2,4-Dinitrotoluene	9.70	165	18780	5.86	ng	# 36
57) Fluorene	10.49	166	7387	Below Cal	#	87
66) 4-Bromophenyl-phenylether	10.49	248	9802	3.08	ng	# 1

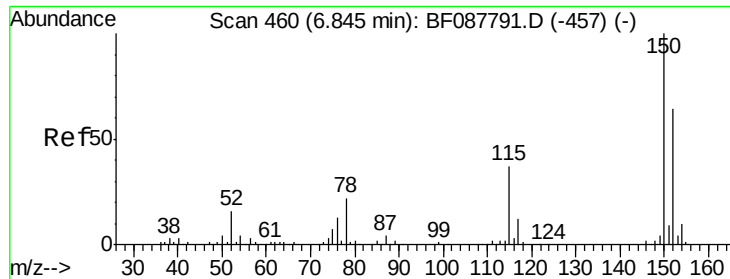
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF088192.D

Acq: 21 Jun 2016 1:44

Instrument :

BNA_F

ClientSampleId :

PB91400BL

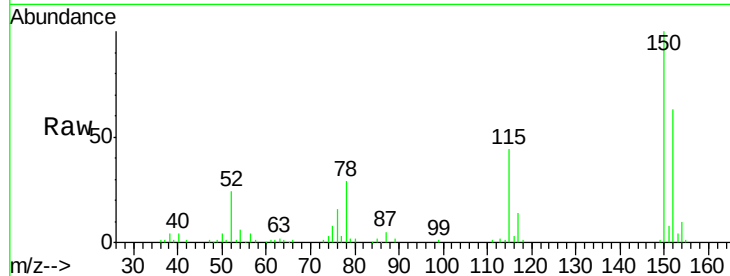
Tgt Ion:152 Resp: 79659

Ion Ratio Lower Upper

152 100

150 159.2 123.8 185.6

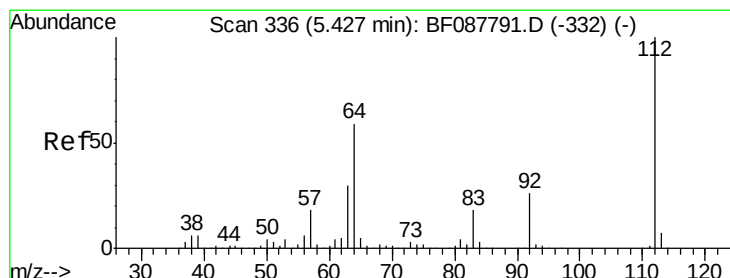
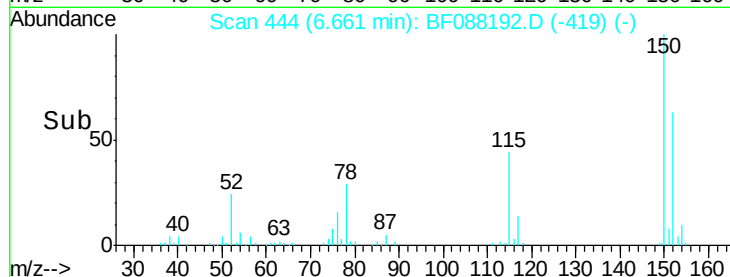
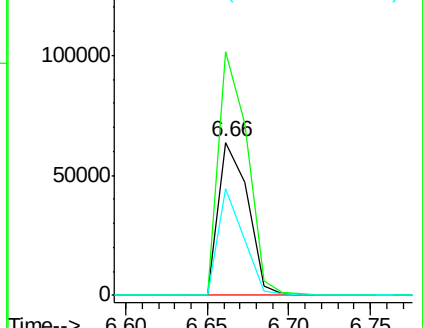
115 69.7 39.6 59.4#



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: 131.04 ng

RT: 5.27 min Scan# 322

Delta R.T. 0.01 min

Lab File: BF088192.D

Acq: 21 Jun 2016 1:44

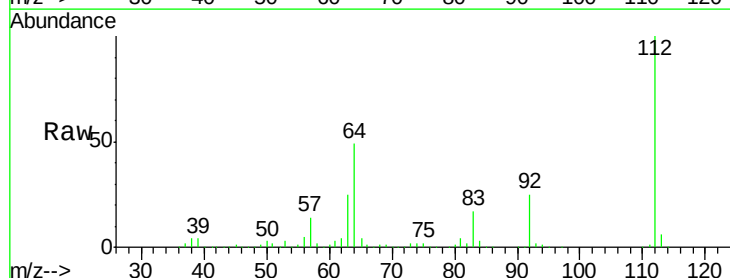
Tgt Ion:112 Resp: 610617

Ion Ratio Lower Upper

112 100

64 48.7 42.2 63.2

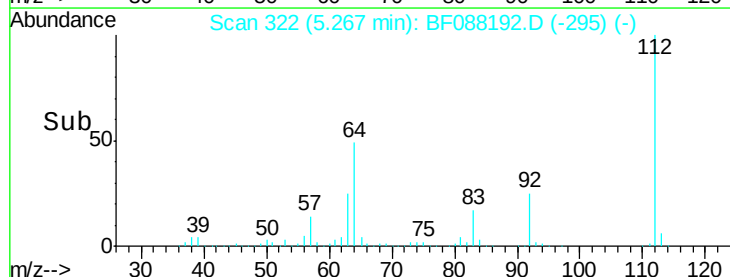
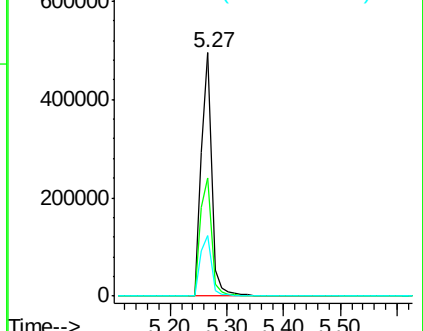
63 24.9 21.8 32.8

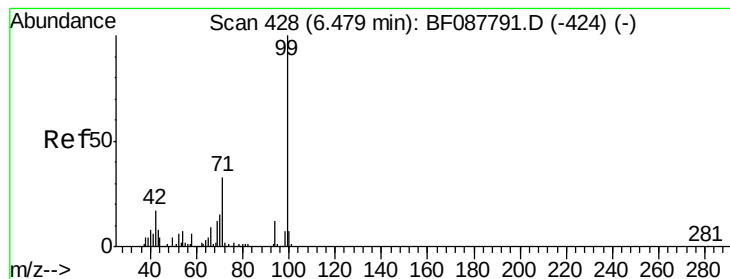


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.54 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF088192.D

Acq: 21 Jun 2016 1:44

Instrument :

BNA_F

ClientSampleId :

PB91400BL

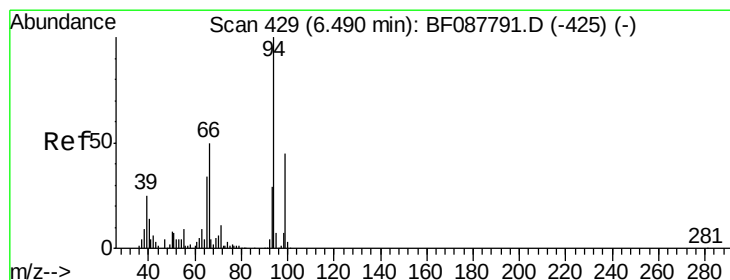
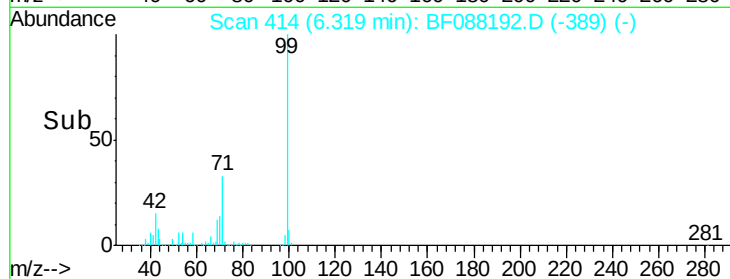
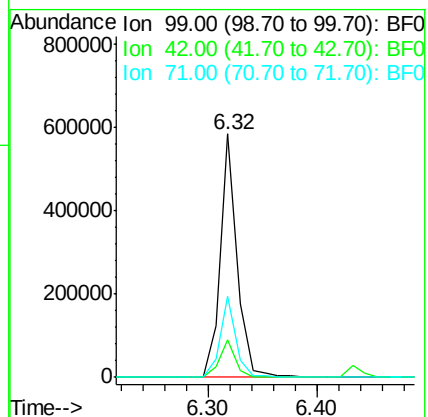
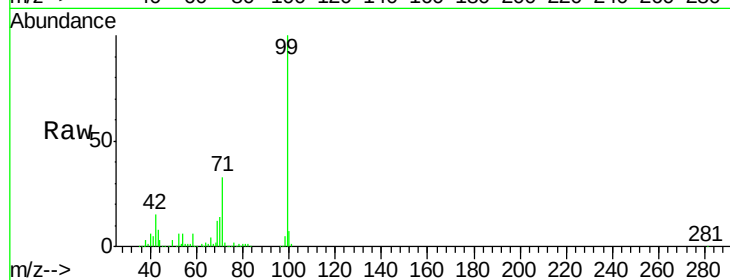
Tgt Ion: 99 Resp: 635502

Ion Ratio Lower Upper

99 100

42 15.4 12.2 18.2

71 33.4 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.43 min Scan# 424

Delta R.T. 0.09 min

Lab File: BF088192.D

Acq: 21 Jun 2016 1:44

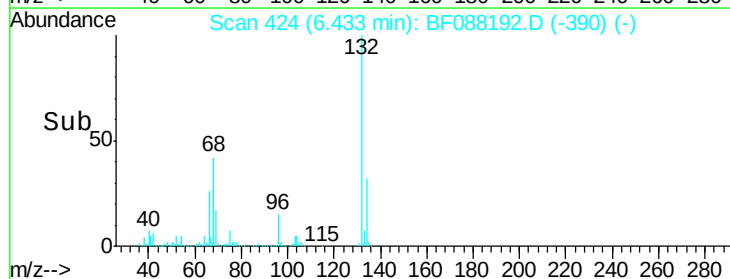
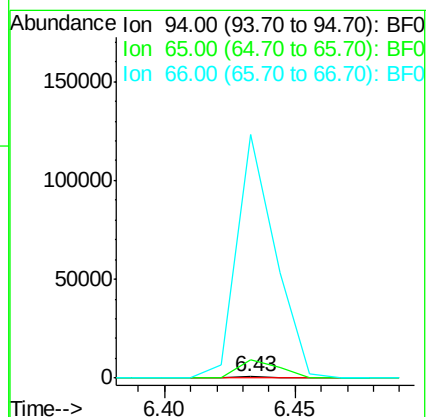
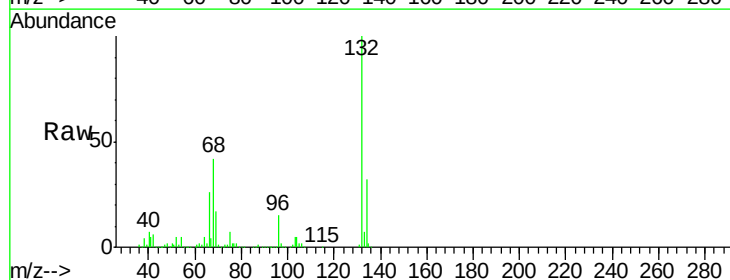
Tgt Ion: 94 Resp: 911

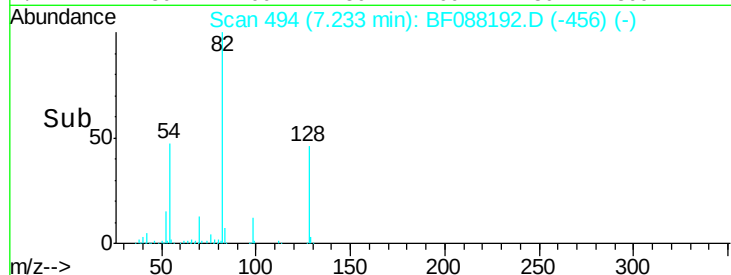
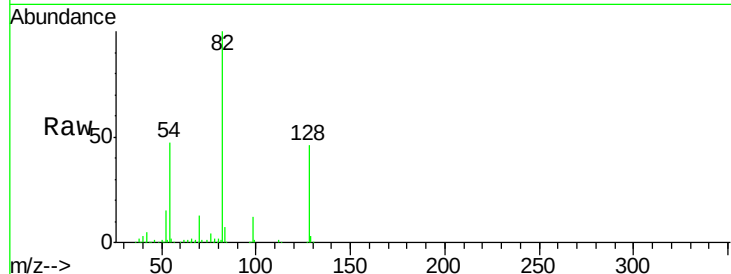
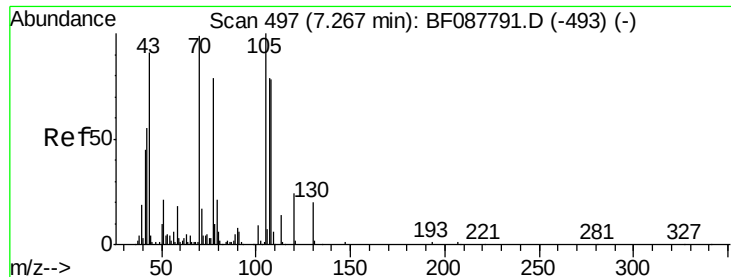
Ion Ratio Lower Upper

94 100

65 1134.6 5.9 45.9#

66 15148.8 14.0 54.0#

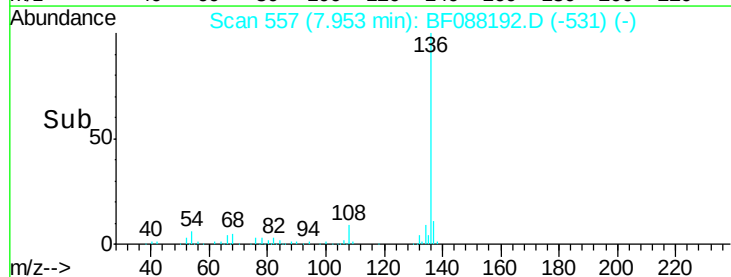
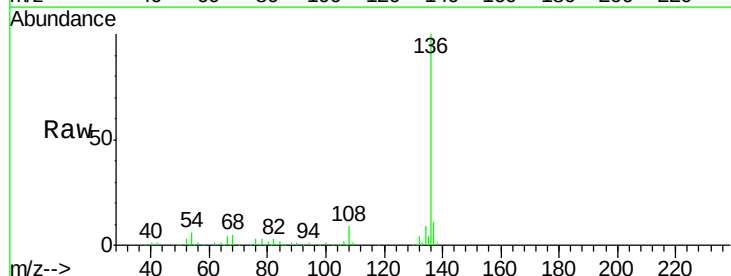
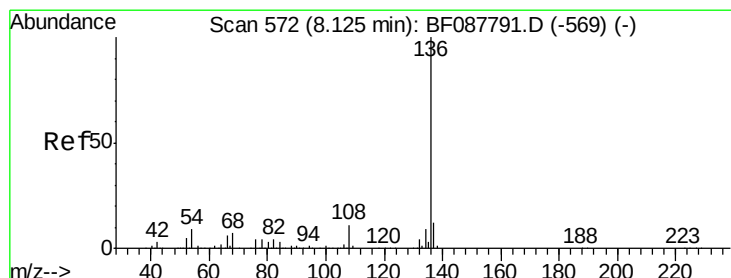
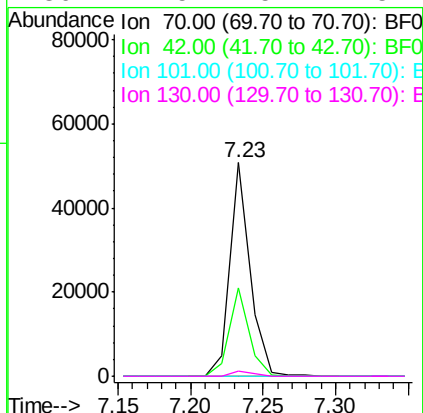




#19
n-Nitroso-di-n-propylamine
Concen: 13.69 ng
RT: 7.23 min Scan# 494
Delta R.T. 0.14 min
Lab File: BF088192.D
Acq: 21 Jun 2016 1:44

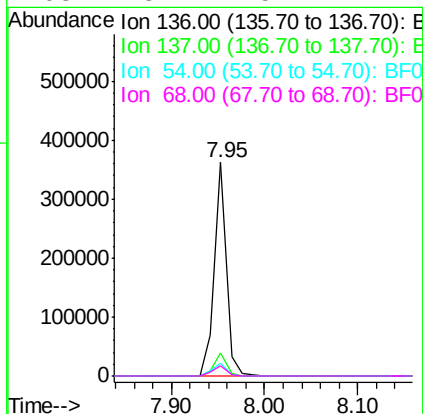
Instrument :
BNA_F
ClientSampleId :
PB91400BL

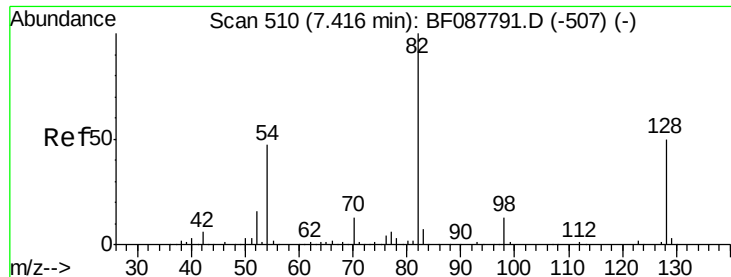
Tgt Ion: 70 Resp: 49465
Ion Ratio Lower Upper
70 100
42 41.6 49.6 74.4#
101 0.0 7.1 10.7#
130 2.5 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.00 min
Lab File: BF088192.D
Acq: 21 Jun 2016 1:44

Tgt Ion: 136 Resp: 326042
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 5.8 6.6 10.0#
68 5.1 5.1 7.7#

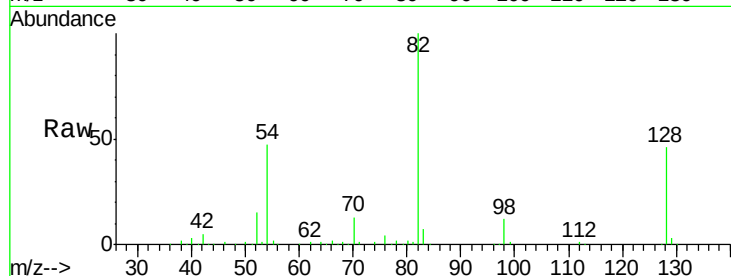




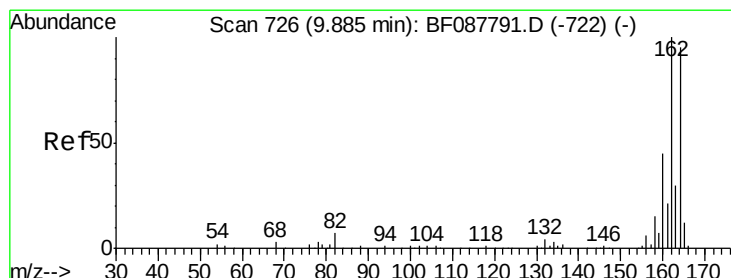
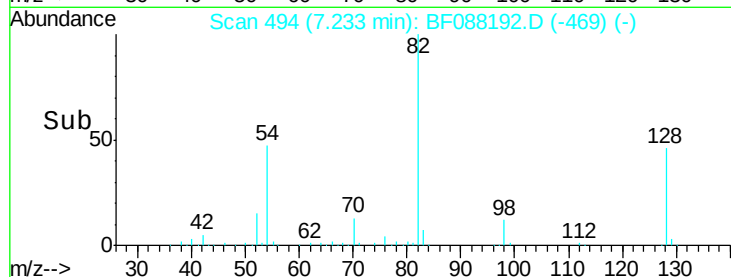
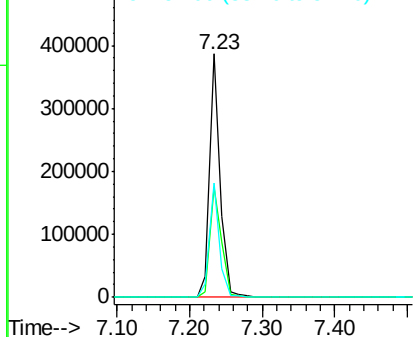
#23
 Nitrobenzene-d5
 Concen: 70.04 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: BF088192.D
 Acq: 21 Jun 2016 1:44

Instrument :
 BNA_F
 ClientSampleId :
 PB91400BL

Tgt Ion: 82 Resp: 391046
 Ion Ratio Lower Upper
 82 100
 128 45.6 35.9 53.9
 54 46.8 40.9 61.3

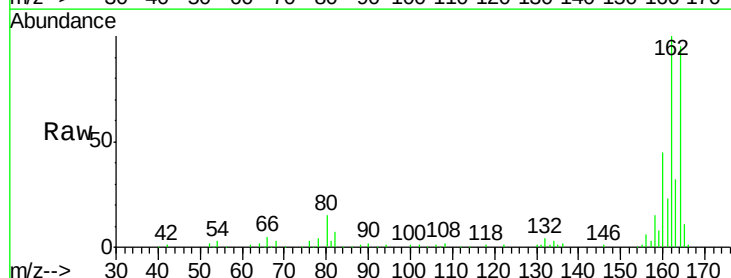


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

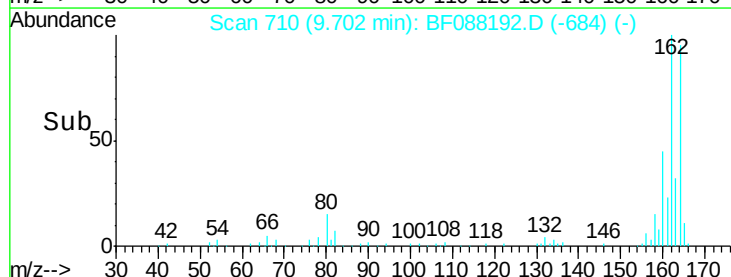
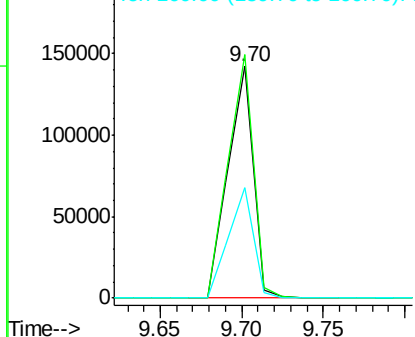


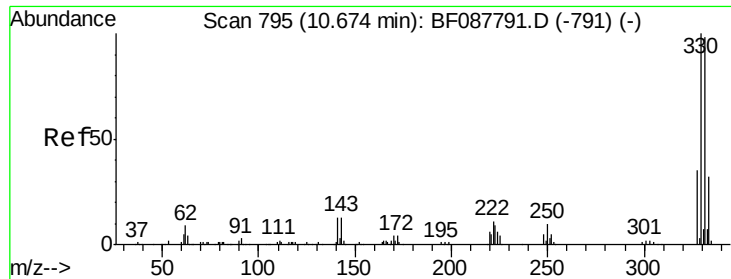
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: BF088192.D
 Acq: 21 Jun 2016 1:44

Tgt Ion: 164 Resp: 150379
 Ion Ratio Lower Upper
 164 100
 162 105.2 85.4 128.2
 160 47.7 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): B
 Ion 162.00 (161.70 to 162.70): B
 Ion 160.00 (159.70 to 160.70): B

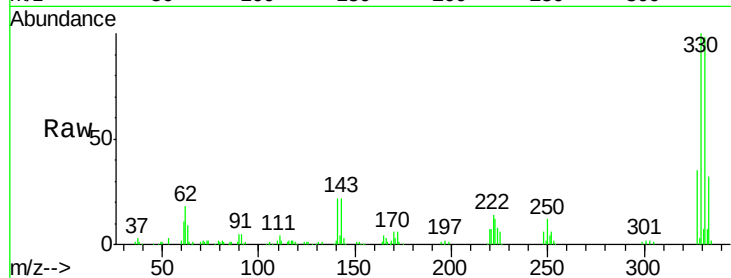




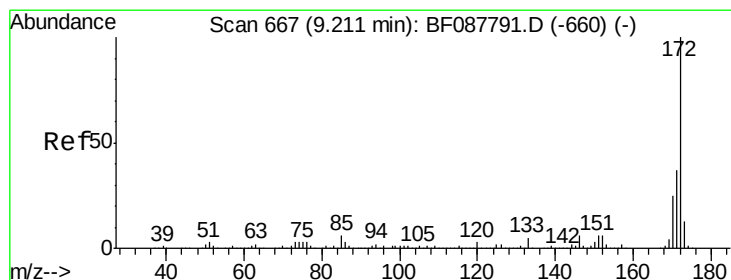
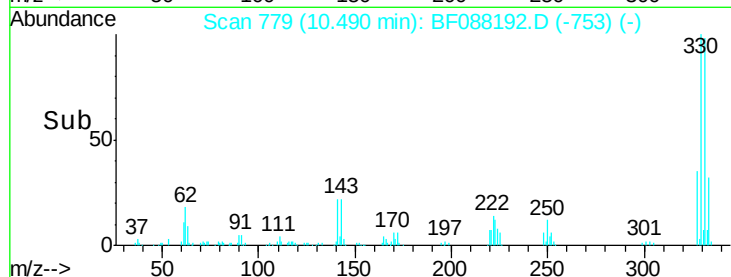
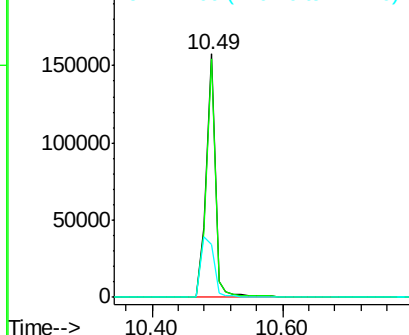
#41
 2,4,6-Tribromophenol
 Concen: 98.22 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: BF088192.D
 Acq: 21 Jun 2016 1:44

Instrument :
 BNA_F
 ClientSampleId :
 PB91400BL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	0.0	0.0#
141	34.9	0.0	0.0#

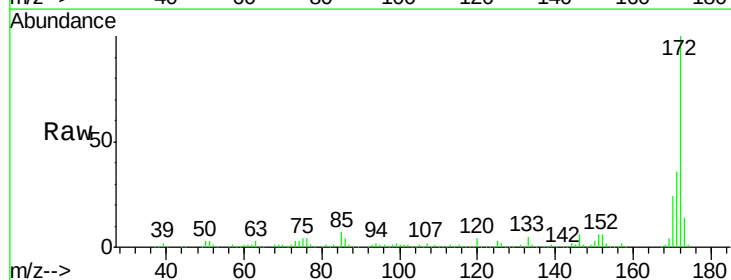


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

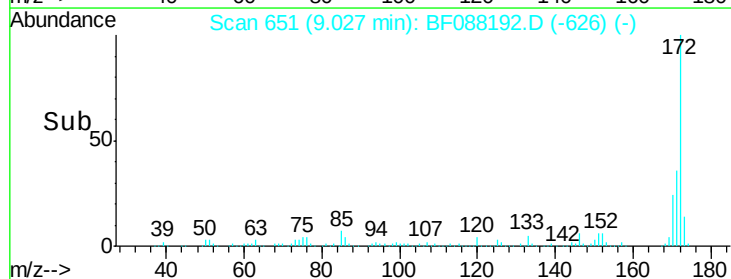
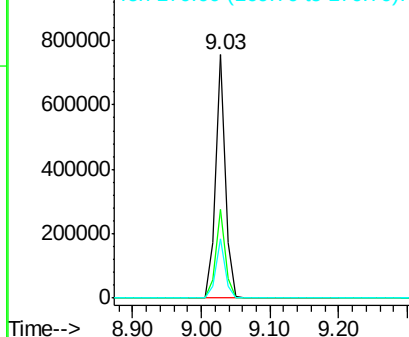


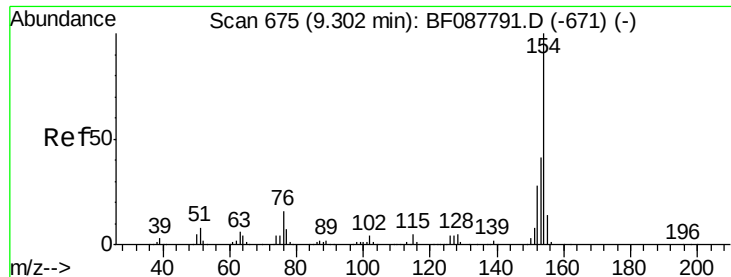
#44
 2-Fluorobiphenyl
 Concen: 79.57 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.01 min
 Lab File: BF088192.D
 Acq: 21 Jun 2016 1:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	24.3	19.2	28.8



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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.03 min Scan# 651

Delta R.T. -0.10 min

Lab File: BF088192.D

Acq: 21 Jun 2016 1:44

Instrument :

BNA_F

ClientSampleId :

PB91400BL

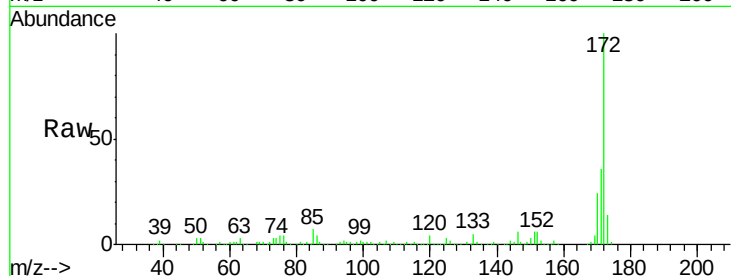
Tgt Ion:154 Resp: 1417

Ion Ratio Lower Upper

154 100

153 922.2 20.6 60.6#

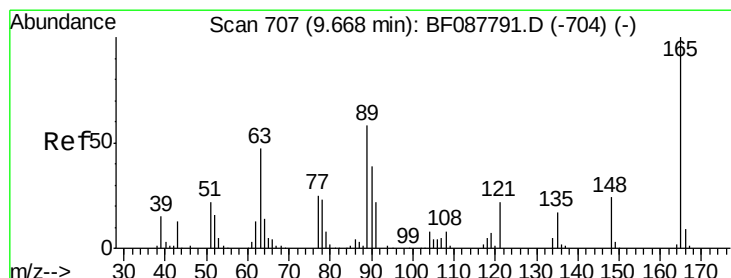
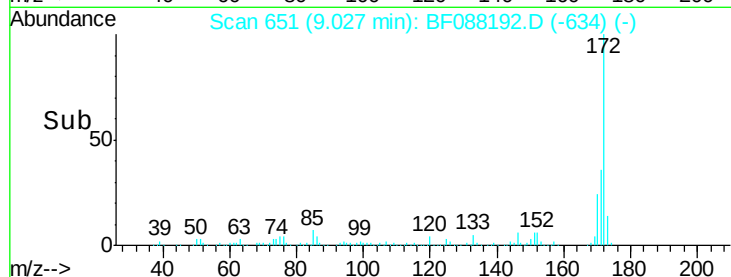
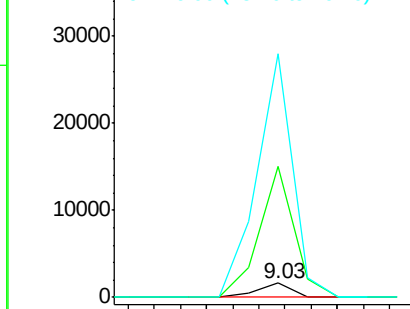
76 1712.1 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#50

2,6-Dinitrotoluene

Concen: 7.53 ng

RT: 9.70 min Scan# 710

Delta R.T. 0.19 min

Lab File: BF088192.D

Acq: 21 Jun 2016 1:44

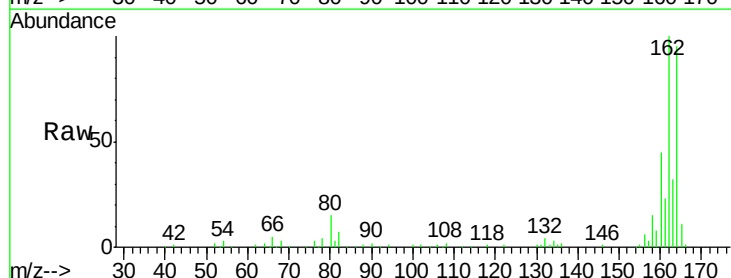
Tgt Ion:165 Resp: 18780

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

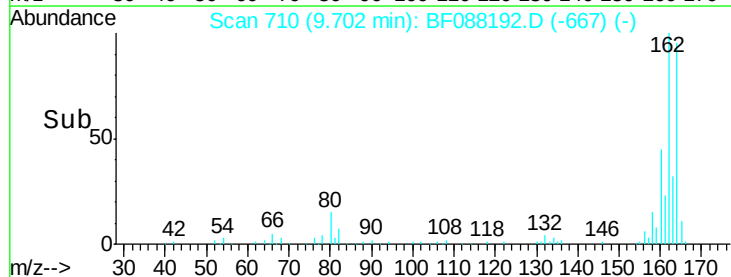
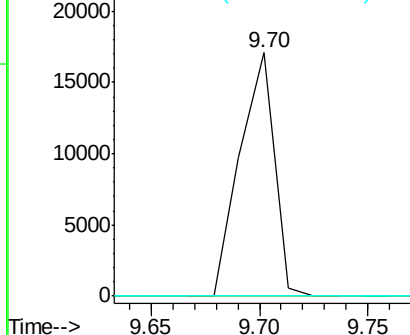
89 0.0 32.2 48.2#

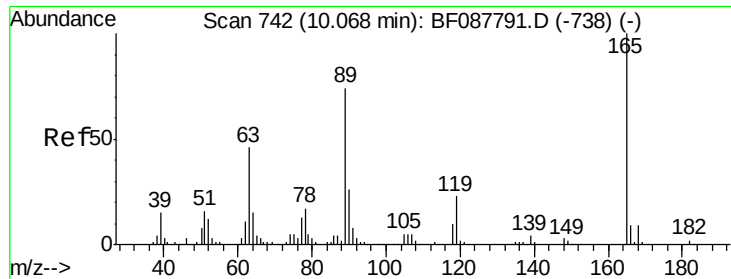


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

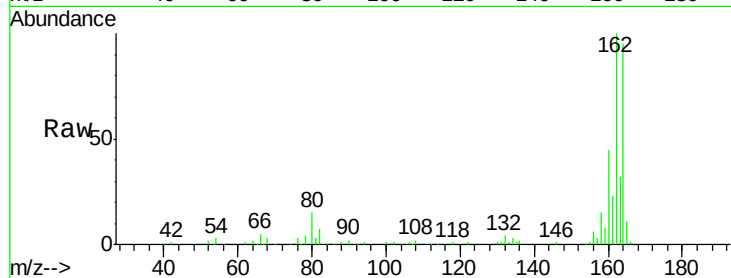




#56
2,4-Dinitrotoluene
Concen: 5.86 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.21 min
Lab File: BF088192.D
Acq: 21 Jun 2016 1:44

Instrument :
BNA_F
ClientSampleId :
PB91400BL

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#



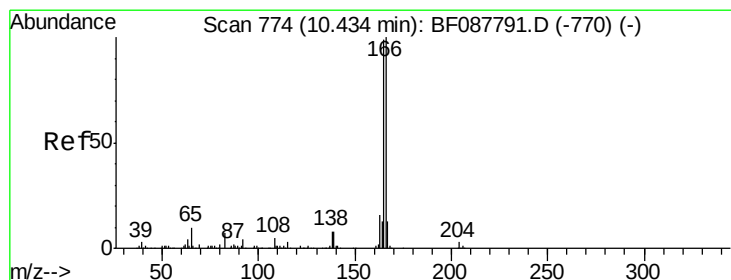
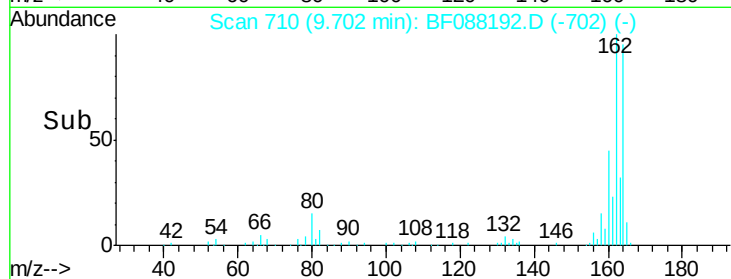
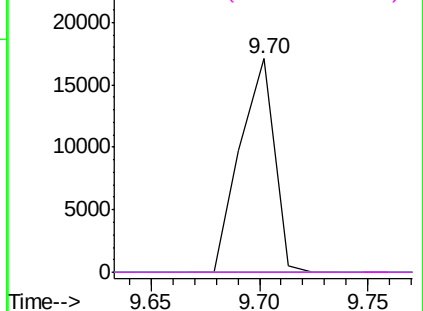
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

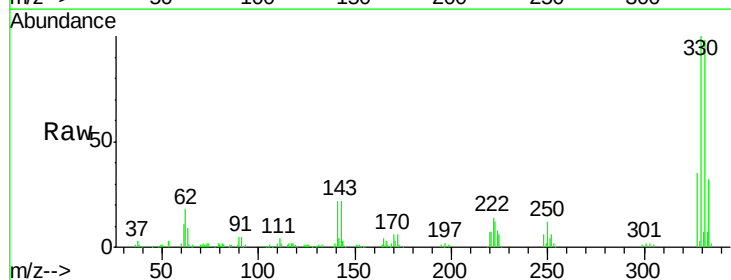
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.49 min Scan# 779
Delta R.T. 0.24 min
Lab File: BF088192.D
Acq: 21 Jun 2016 1:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.6	77.8	116.8
167	31.8	11.2	16.8#

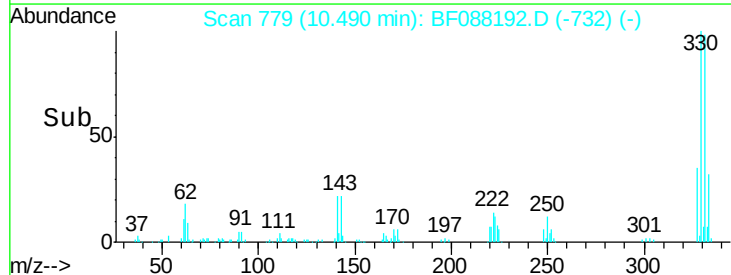
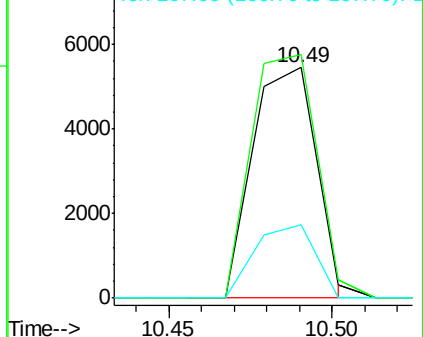


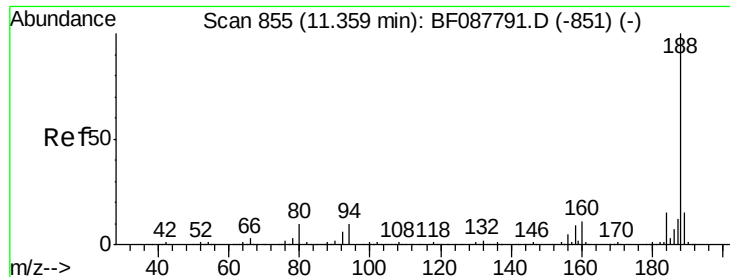
Abundance

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

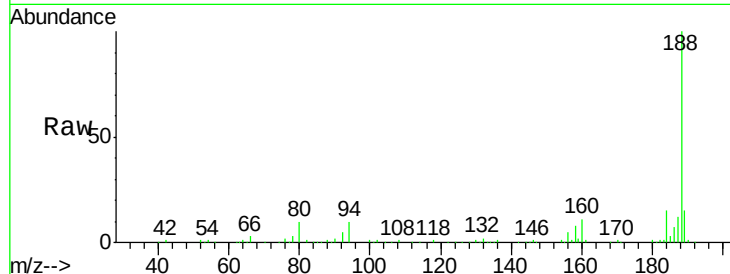




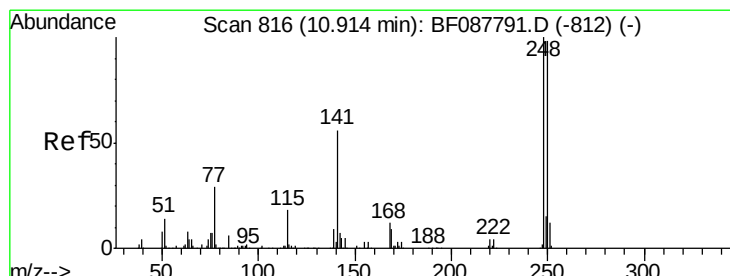
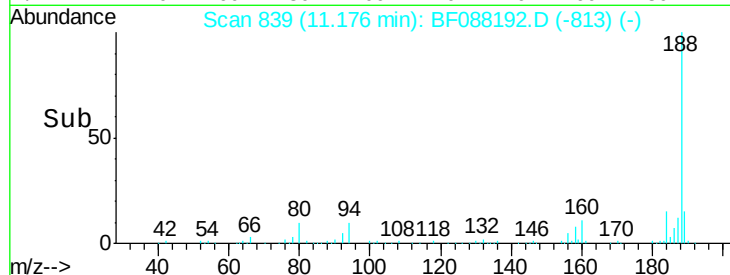
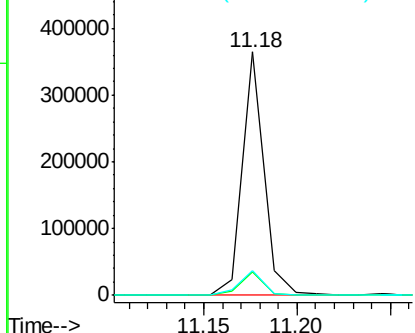
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.18 min Scan# 839
 Delta R.T. -0.00 min
 Lab File: BF088192.D
 Acq: 21 Jun 2016 1:44

Instrument :
 BNA_F
 ClientSampleId :
 PB91400BL

Tgt Ion:188 Resp: 296366
 Ion Ratio Lower Upper
 188 100
 94 9.6 9.0 13.6
 80 10.0 10.0 15.0

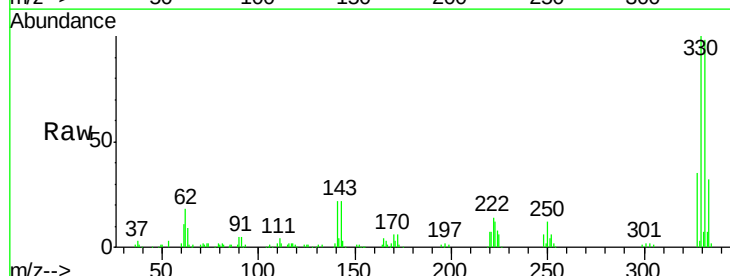


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

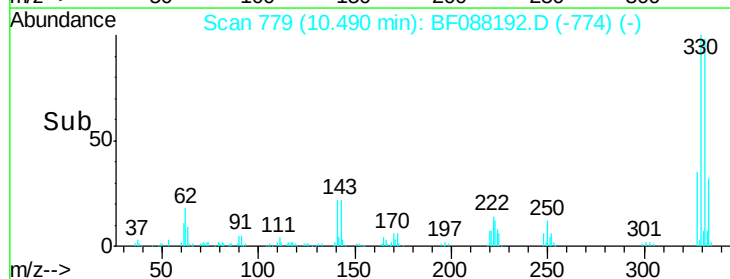
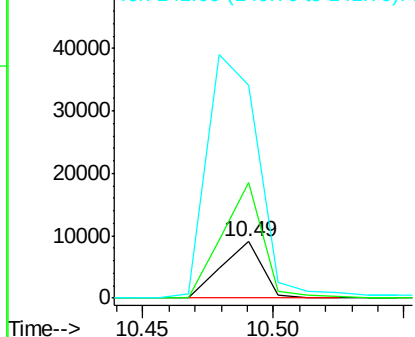


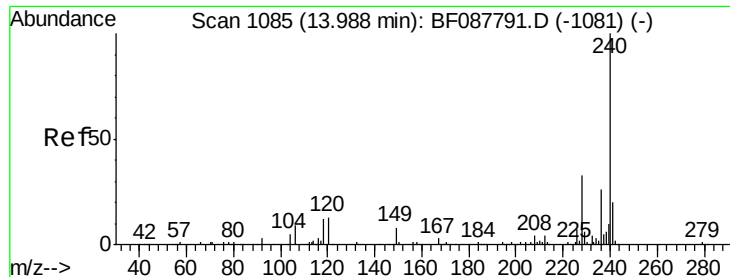
#66
 4-Bromophenyl-phenylether
 Concen: 3.08 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.24 min
 Lab File: BF088192.D
 Acq: 21 Jun 2016 1:44

Tgt Ion:248 Resp: 9802
 Ion Ratio Lower Upper
 248 100
 250 205.9 77.1 115.7#
 141 377.9 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: BF088192.D

Acq: 21 Jun 2016 1:44

Instrument :

BNA_F

ClientSampleId :

PB91400BL

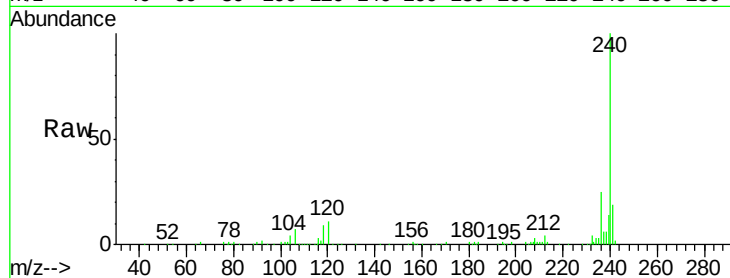
Tgt Ion:240 Resp: 223434

Ion Ratio Lower Upper

240 100

120 10.6 6.8 10.2#

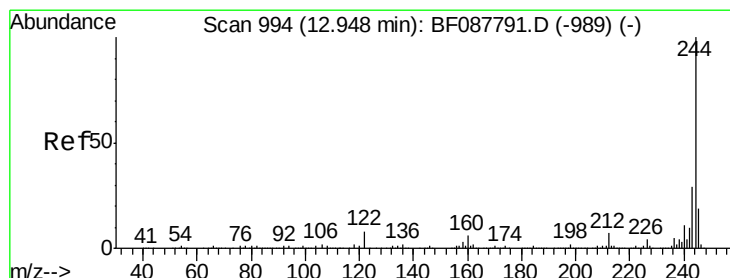
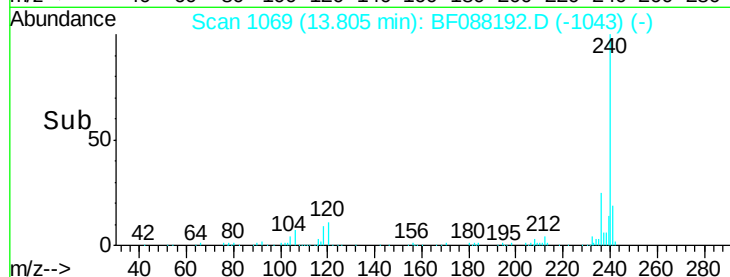
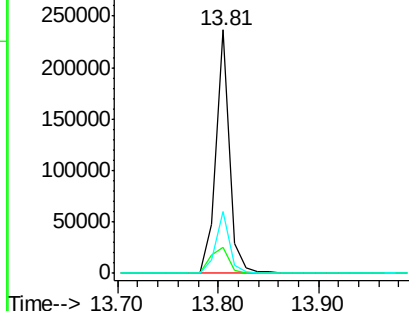
236 25.3 20.2 30.2



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: 83.70 ng

RT: 12.76 min Scan# 978

Delta R.T. -0.00 min

Lab File: BF088192.D

Acq: 21 Jun 2016 1:44

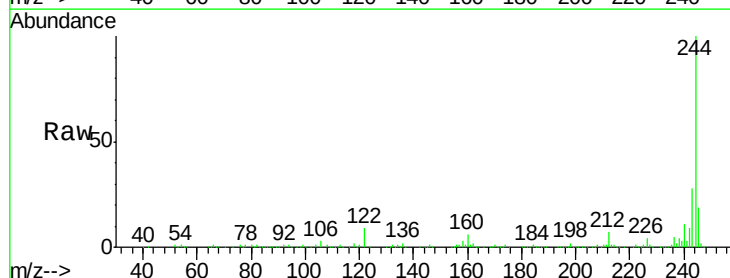
Tgt Ion:244 Resp: 821888

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

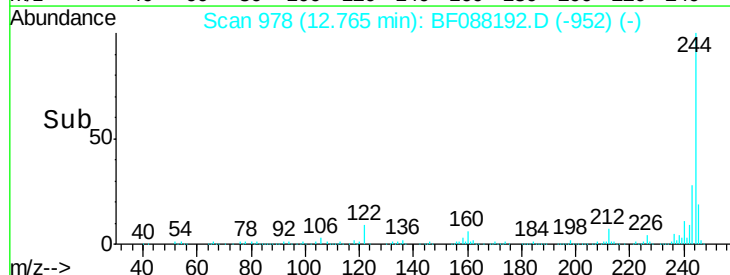
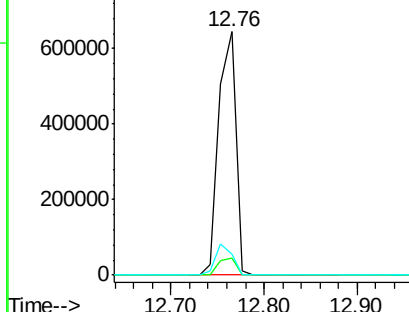
122 8.7 11.2 16.8#

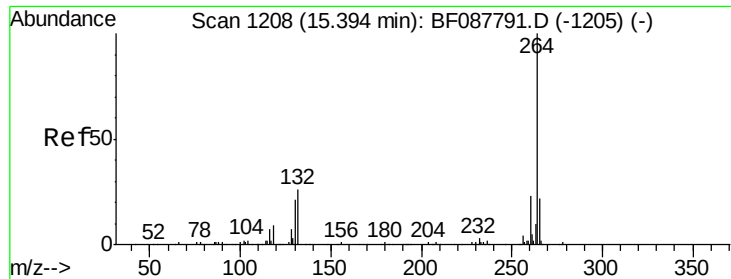


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

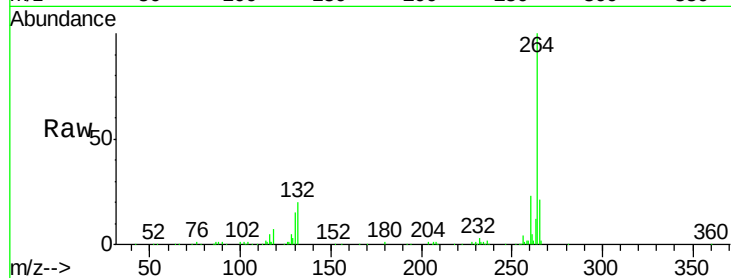




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. -0.00 min
Lab File: BF088192.D
Acq: 21 Jun 2016 1:44

Instrument :
BNA_F
ClientSampleId :
PB91400BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.0	16.9	25.3



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

