

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060416\
 Data File : BF087662.D
 Acq On : 4 Jun 2016 13:13
 Operator : UM/SJ
 Sample : PB91024BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91024BL

Quant Time: Jun 05 00:56:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

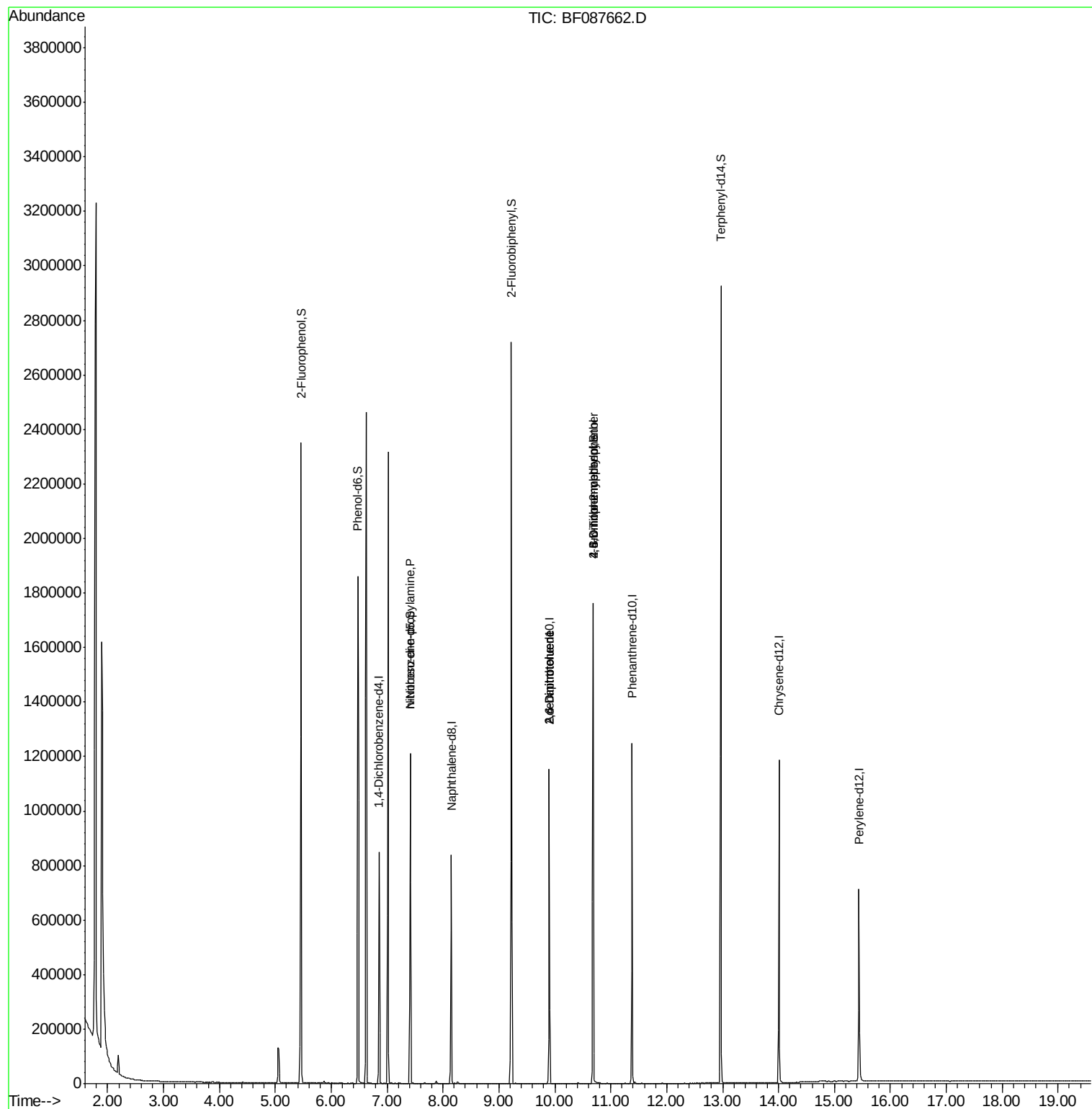
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	123154	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	508935	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	231760	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	465557	20.00	ng	0.00
75) Chrysene-d12	14.01	240	373645	20.00	ng	-0.01
86) Perylene-d12	15.44	264	302201	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	753609	98.91	ng	0.01
7) Phenol-d6	6.48	99	913970	95.65	ng	-0.01
23) Nitrobenzene-d5	7.42	82	524136	59.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	212908	91.52	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	991848	59.98	ng	-0.01
78) Terphenyl-d14	12.97	244	936530	61.16	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	66941	11.22	ng	# 79
50) 2,6-Dinitrotoluene	9.90	165	30312	7.91	ng	# 39
56) 2,4-Dinitrotoluene	9.90	165	30314	6.21	ng	# 37
64) 4,6-Dinitro-2-methylphenol	10.68	198	444	2.18	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	13771	2.98	ng	# 1

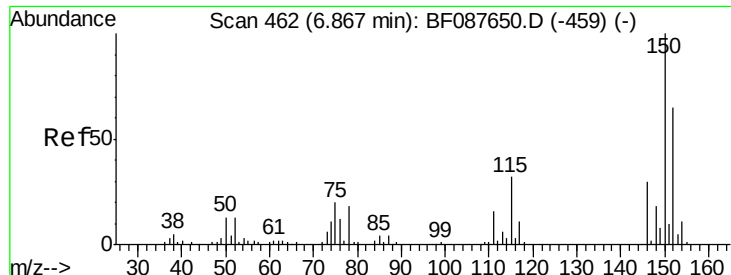
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060416\
Data File : BF087662.D
Acq On : 4 Jun 2016 13:13
Operator : UM/SJ
Sample : PB91024BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB91024BL

Quant Time: Jun 05 00:56:56 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 04 11:07:28 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF087662.D

Acq: 4 Jun 2016 13:13

Instrument :

BNA_F

ClientSampleId :

PB91024BL

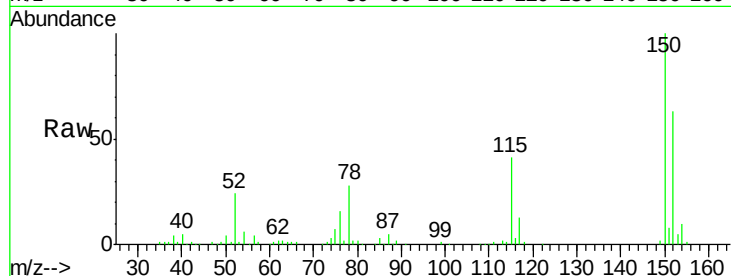
Tgt Ion:152 Resp: 123154

Ion Ratio Lower Upper

152 100

150 157.6 123.8 185.6

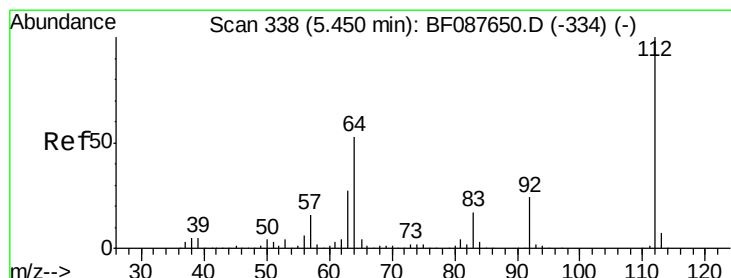
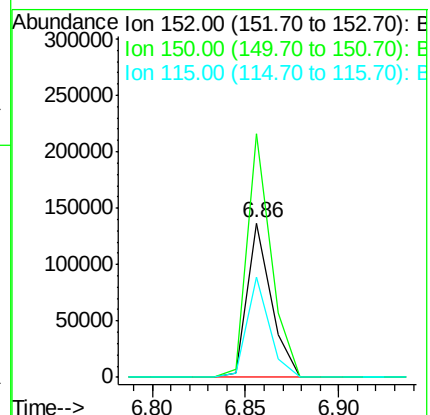
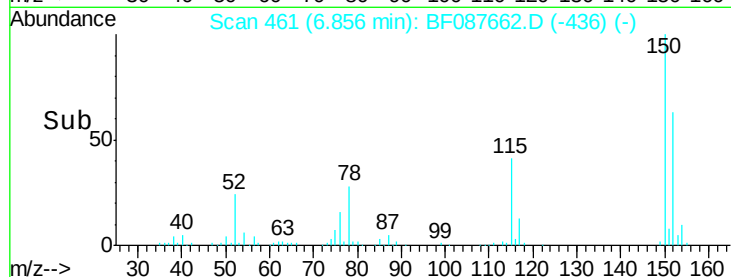
115 65.1 39.6 59.4#



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: 98.91 ng

RT: 5.46 min Scan# 339

Delta R.T. 0.01 min

Lab File: BF087662.D

Acq: 4 Jun 2016 13:13

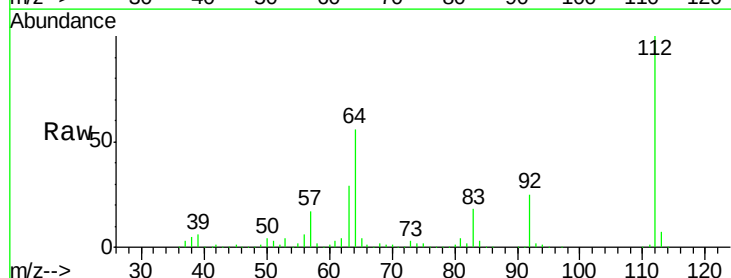
Tgt Ion:112 Resp: 753609

Ion Ratio Lower Upper

112 100

64 55.6 42.2 63.2

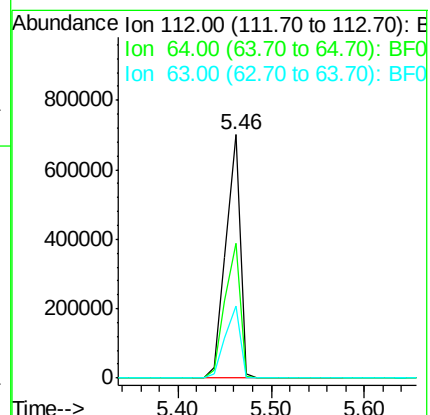
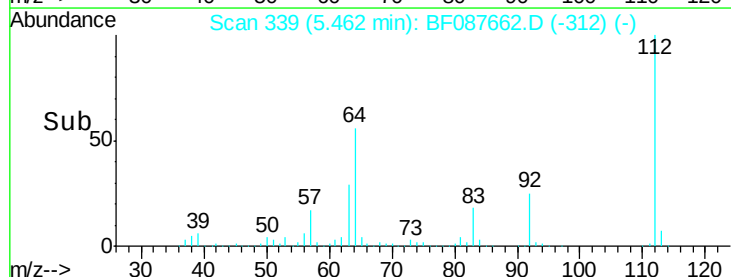
63 29.4 21.8 32.8

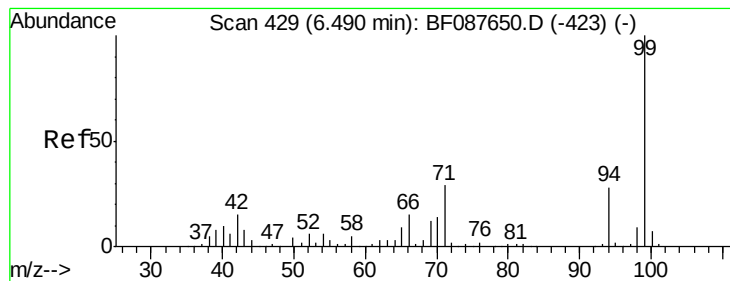


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 95.65 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.01 min

Lab File: BF087662.D

Acq: 4 Jun 2016 13:13

Instrument :

BNA_F

ClientSampleId :

PB91024BL

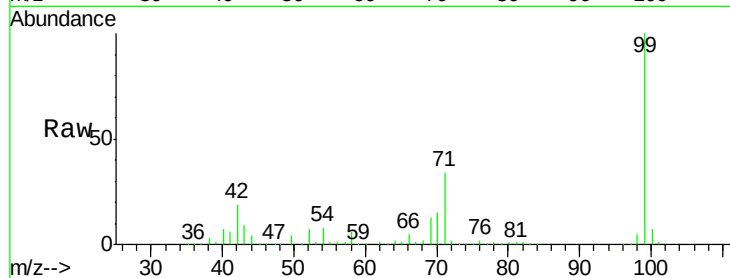
Tgt Ion: 99 Resp: 913970

Ion Ratio Lower Upper

99 100

42 18.9 12.2 18.2#

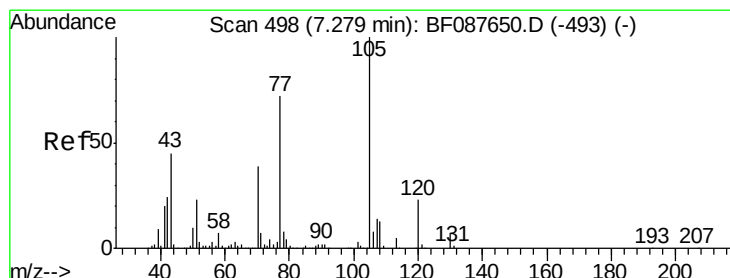
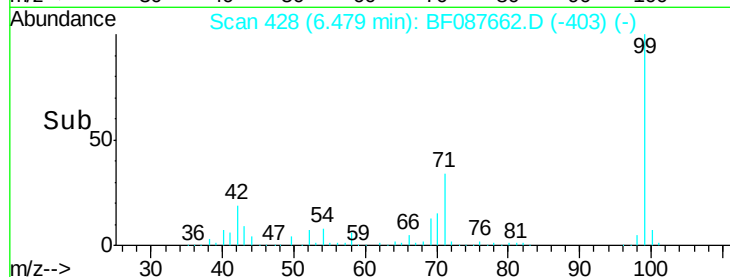
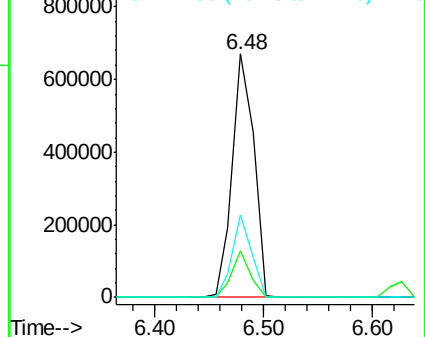
71 33.8 23.4 35.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.22 ng

RT: 7.42 min Scan# 510

Delta R.T. 0.14 min

Lab File: BF087662.D

Acq: 4 Jun 2016 13:13

Tgt Ion: 70 Resp: 66941

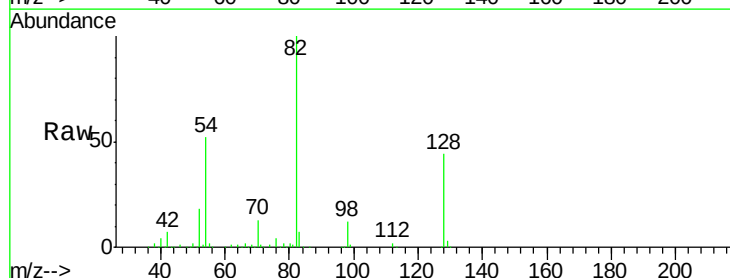
Ion Ratio Lower Upper

70 100

42 50.8 49.6 74.4

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#

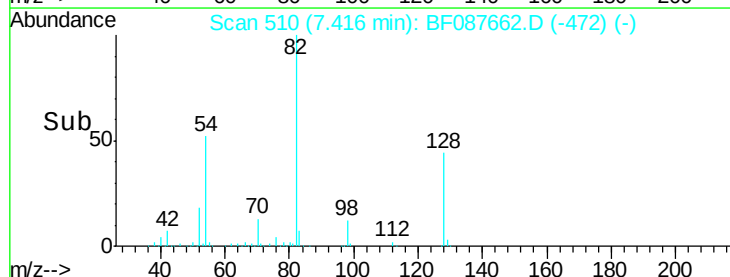
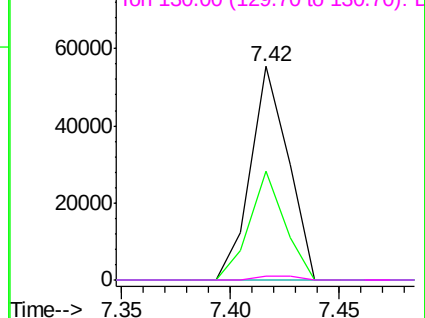


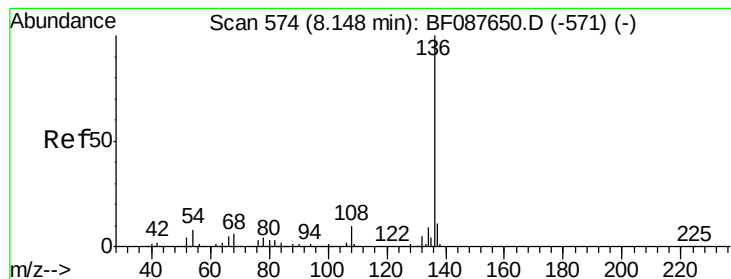
Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 574

Delta R.T. 0.00 min

Lab File: BF087662.D

Acq: 4 Jun 2016 13:13

Instrument :

BNA_F

ClientSampleId :

PB91024BL

Tgt Ion:136 Resp: 508935

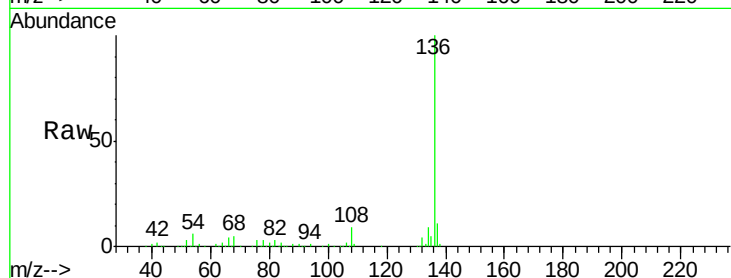
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.8 6.6 10.0#

68 4.8 5.1 7.7#

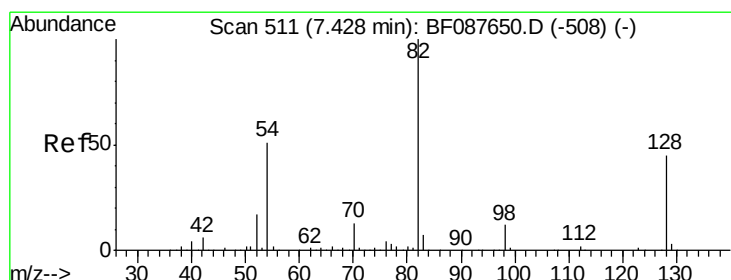
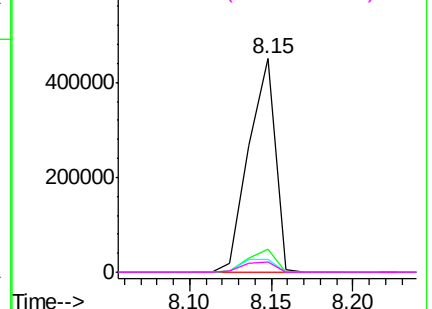
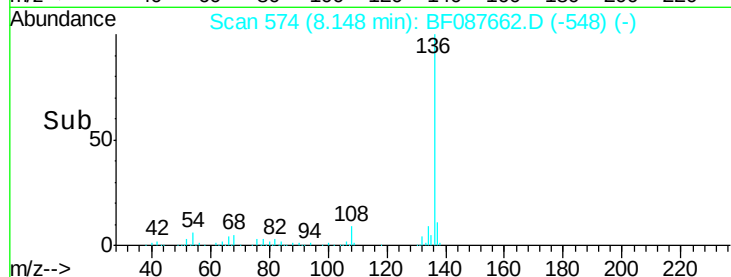


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.58 ng

RT: 7.42 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF087662.D

Acq: 4 Jun 2016 13:13

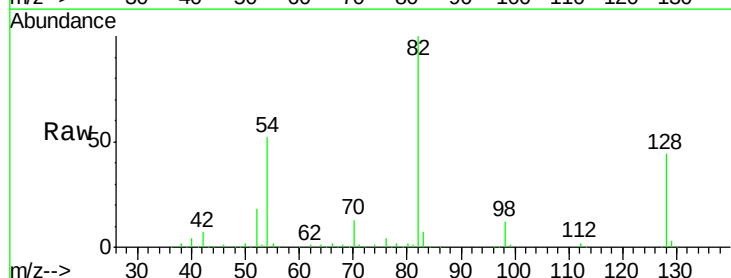
Tgt Ion: 82 Resp: 524136

Ion Ratio Lower Upper

82 100

128 43.7 35.9 53.9

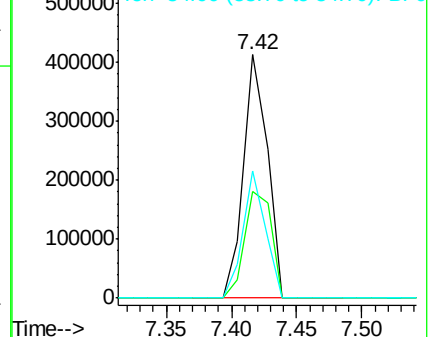
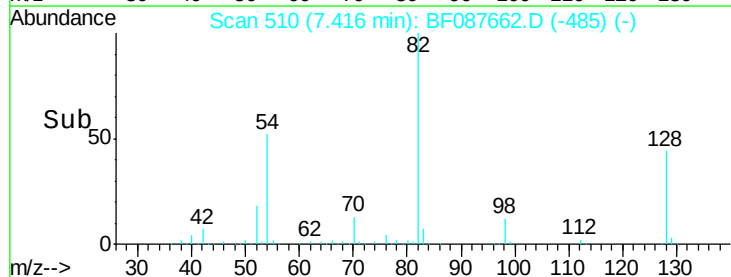
54 52.5 40.9 61.3

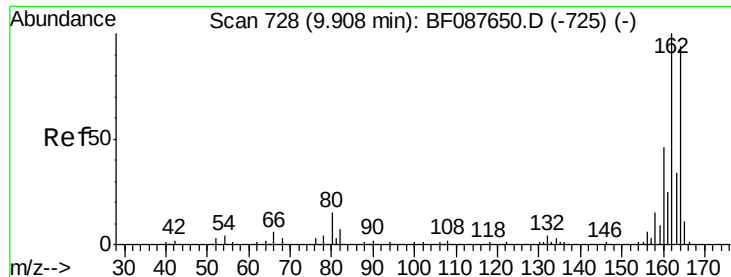


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

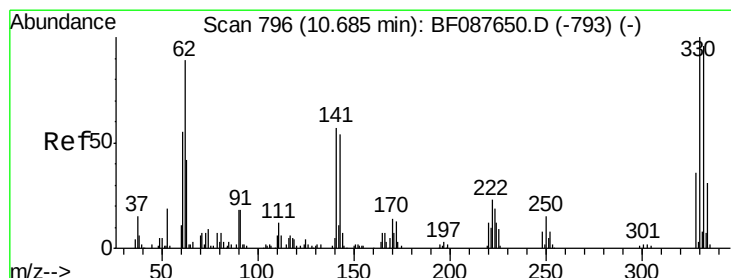
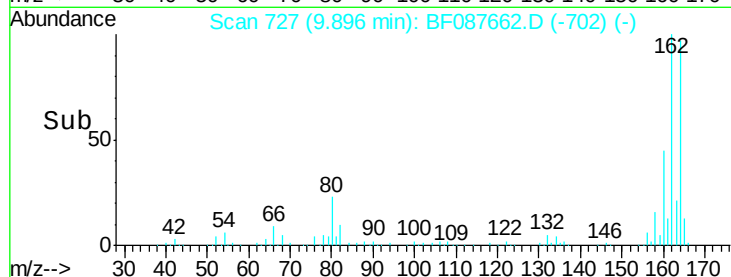
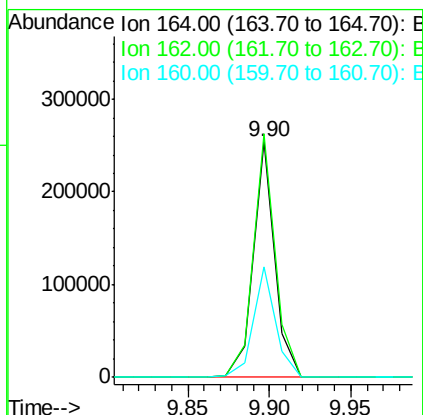
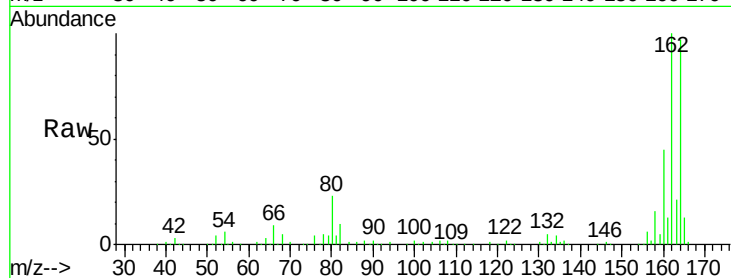




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: BF087662.D
 Acq: 4 Jun 2016 13:13

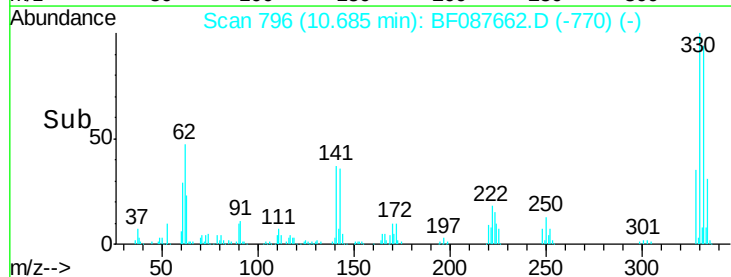
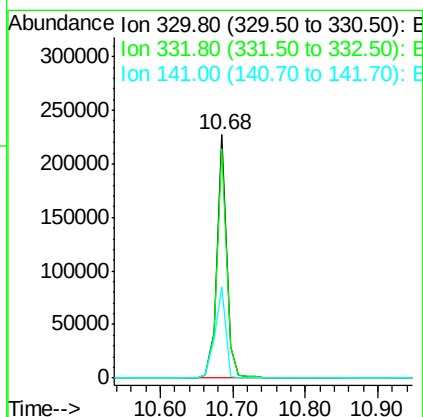
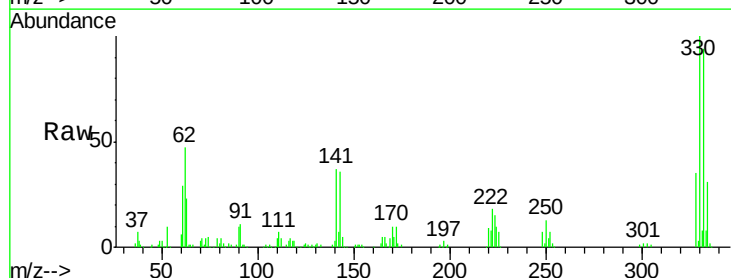
Instrument :
 BNA_F
 ClientSampleId :
 PB91024BL

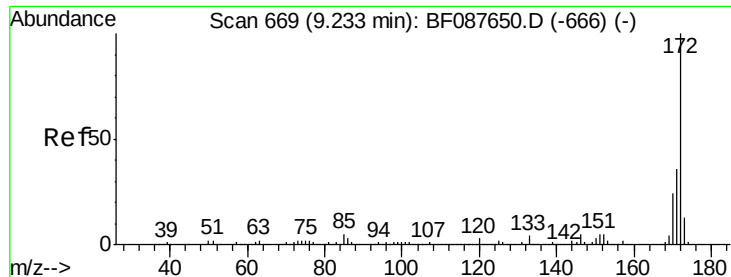
Tgt Ion:164 Resp: 231760
 Ion Ratio Lower Upper
 164 100
 162 103.5 85.4 128.2
 160 46.8 39.5 59.3



#41
 2,4,6-Tribromophenol
 Concen: 91.52 ng
 RT: 10.68 min Scan# 796
 Delta R.T. -0.00 min
 Lab File: BF087662.D
 Acq: 4 Jun 2016 13:13

Tgt Ion:330 Resp: 212908
 Ion Ratio Lower Upper
 330 100
 332 95.2 0.0 0.0#
 141 41.0 0.0 0.0#

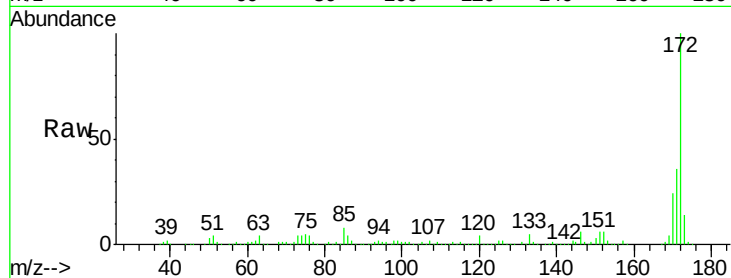




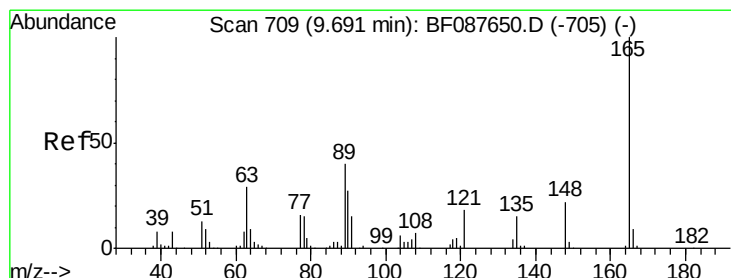
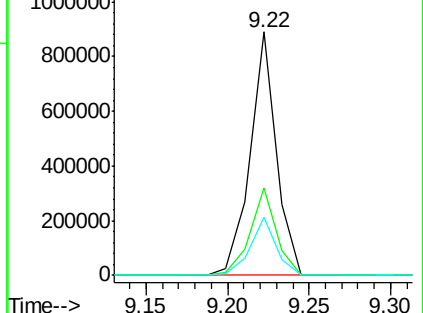
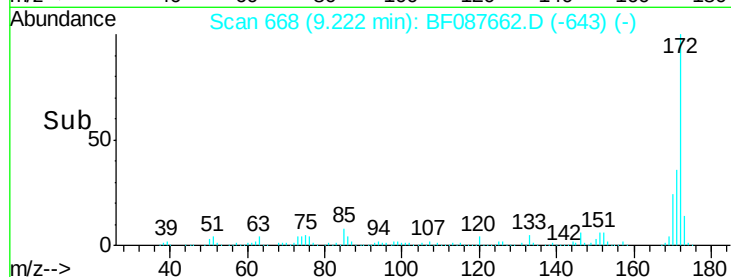
#44
 2-Fluorobiphenyl
 Concen: 59.98 ng
 RT: 9.22 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF087662.D
 Acq: 4 Jun 2016 13:13

Instrument :
 BNA_F
 ClientSampleId :
 PB91024BL

Tgt Ion:172 Resp: 991848
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 24.0 19.2 28.8

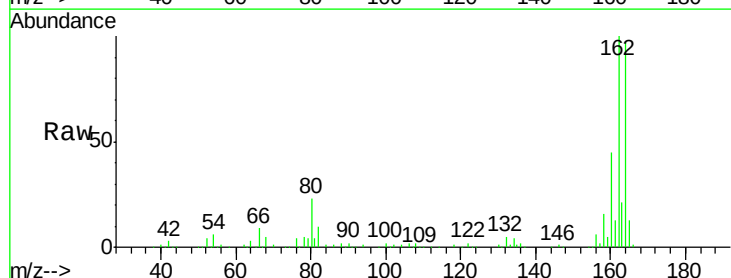


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

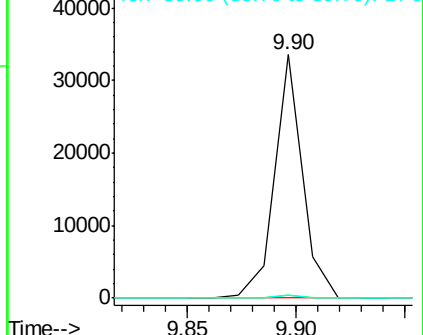
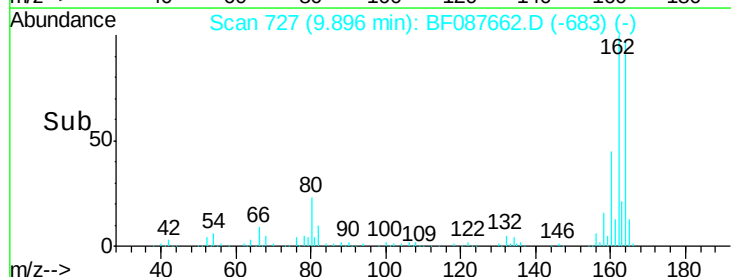


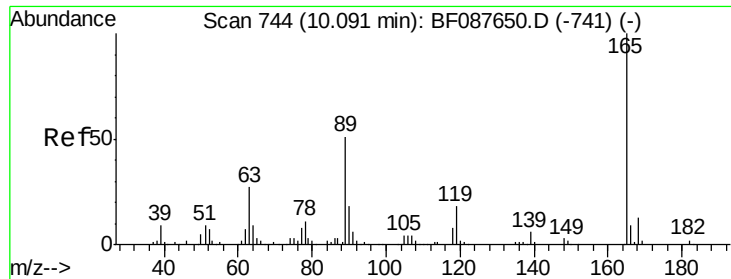
#50
 2,6-Dinitrotoluene
 Concen: 7.91 ng
 RT: 9.90 min Scan# 727
 Delta R.T. 0.21 min
 Lab File: BF087662.D
 Acq: 4 Jun 2016 13:13

Tgt Ion:165 Resp: 30312
 Ion Ratio Lower Upper
 165 100
 63 1.2 28.1 42.1#
 89 1.2 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

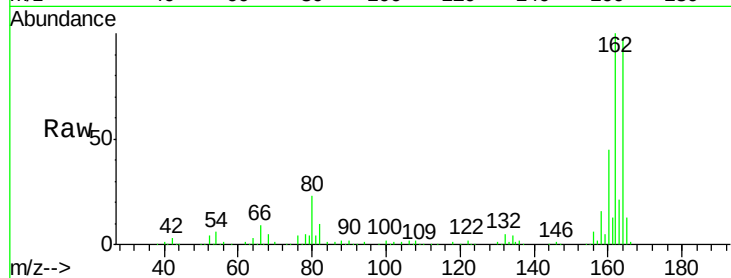




#56
 2,4-Dinitrotoluene
 Concen: 6.21 ng
 RT: 9.90 min Scan# 727
 Delta R.T. -0.19 min
 Lab File: BF087662.D
 Acq: 4 Jun 2016 13:13

Instrument :
 BNA_F
 ClientSampleId :
 PB91024BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.0	33.0#
89	1.2	41.1	61.7#
182	0.0	2.0	3.0#

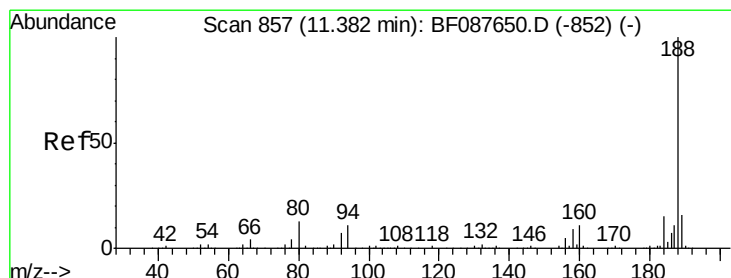
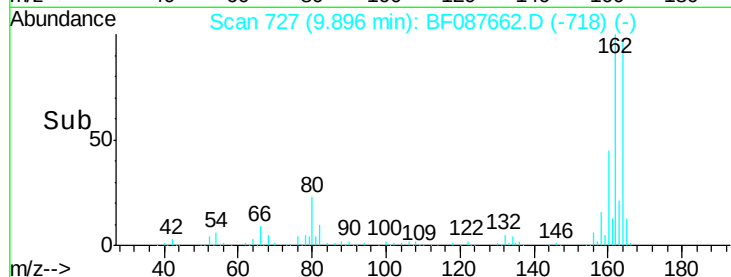
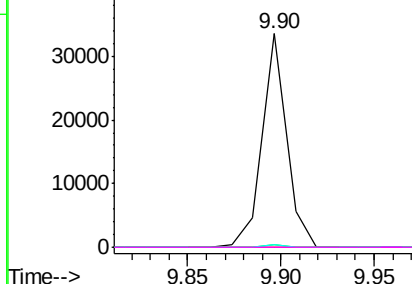


Abundance Ion 165.00 (164.70 to 165.70): E

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



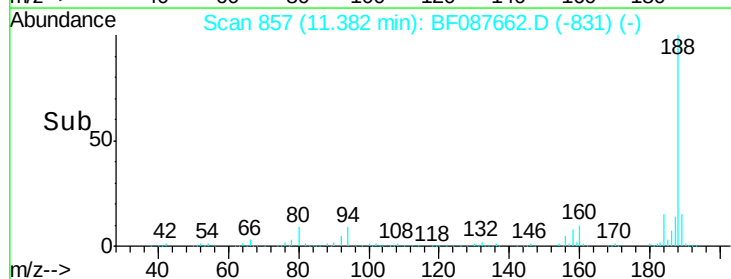
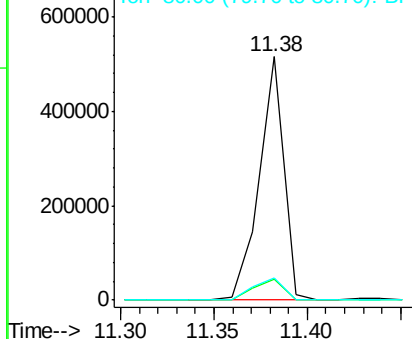
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: BF087662.D
 Acq: 4 Jun 2016 13:13

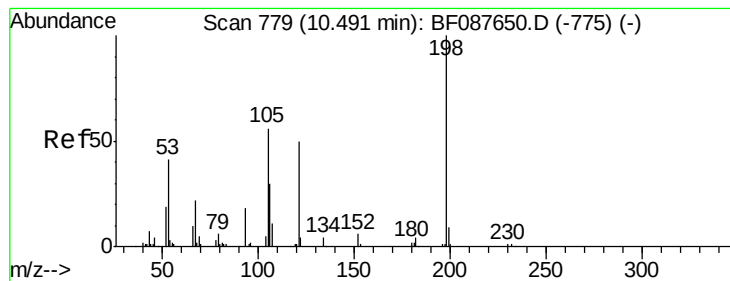
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	9.0	13.6#
80	8.9	10.0	15.0#

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





#64

4,6-Dinitro-2-methylphenol

Concen: 2.18 ng

RT: 10.68 min Scan# 796

Delta R.T. 0.19 min

Lab File: BF087662.D

Acq: 4 Jun 2016 13:13

Instrument :

BNA_F

ClientSampleId :

PB91024BL

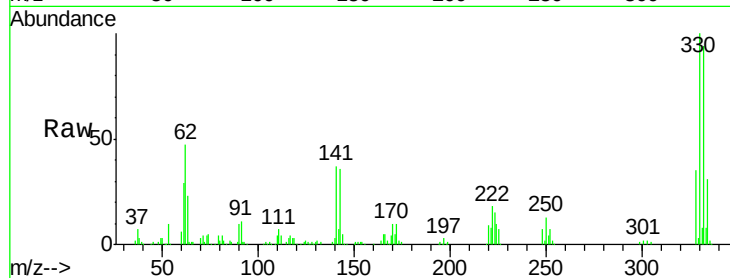
Tgt Ion:198 Resp: 444

Ion Ratio Lower Upper

198 100

51 132.6 39.6 79.6#

105 171.6 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

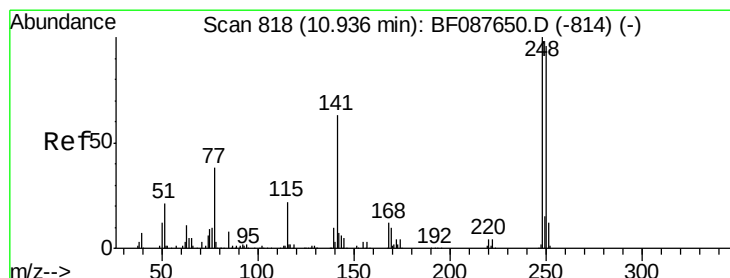
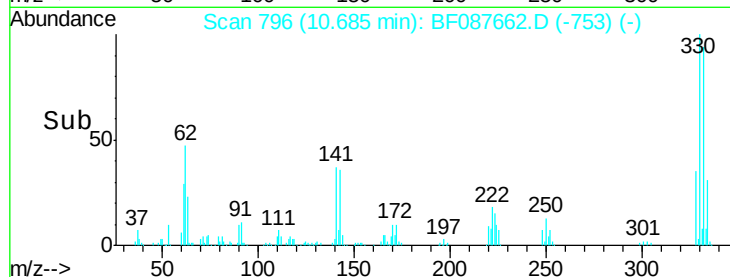
10.68

10.68

10.68

10.68

10.68



#66

4-Bromophenyl-phenylether

Concen: 2.98 ng

RT: 10.68 min Scan# 796

Delta R.T. -0.25 min

Lab File: BF087662.D

Acq: 4 Jun 2016 13:13

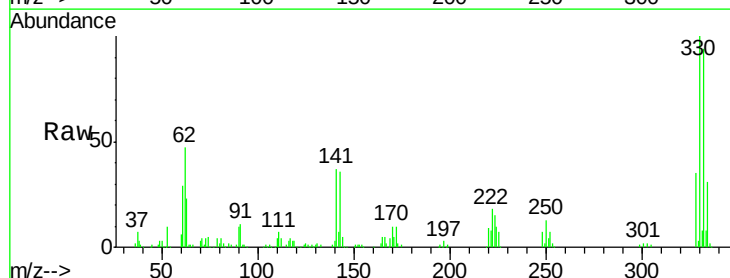
Tgt Ion:248 Resp: 13771

Ion Ratio Lower Upper

248 100

250 194.9 77.1 115.7#

141 550.1 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

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

10.68

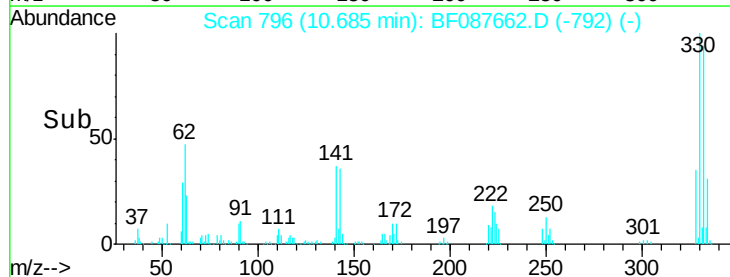
10.68

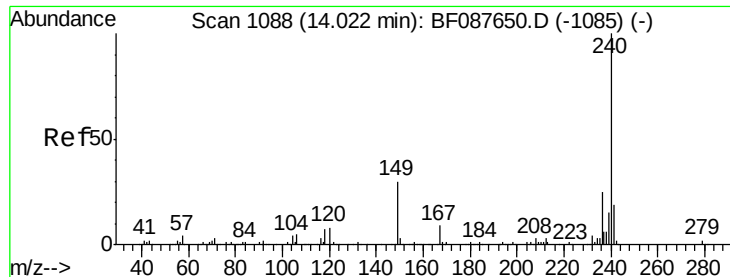
10.68

10.68

10.68

10.68





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BF087662.D

Acq: 4 Jun 2016 13:13

Instrument :

BNA_F

ClientSampleId :

PB91024BL

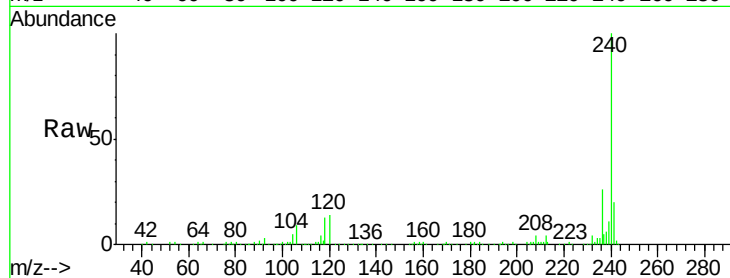
Tgt Ion:240 Resp: 373645

Ion Ratio Lower Upper

240 100

120 14.4 6.8 10.2#

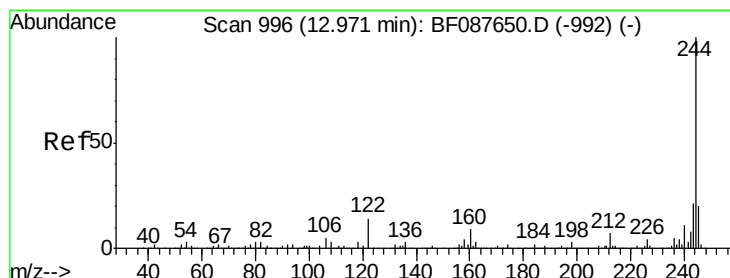
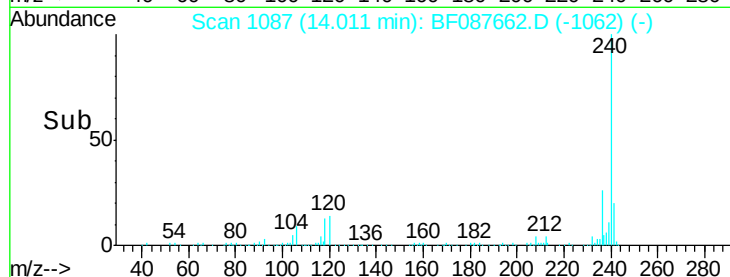
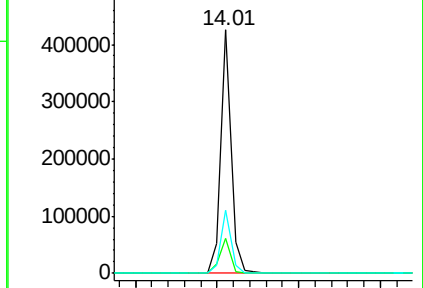
236 26.0 20.2 30.2



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: 61.16 ng

RT: 12.97 min Scan# 996

Delta R.T. 0.00 min

Lab File: BF087662.D

Acq: 4 Jun 2016 13:13

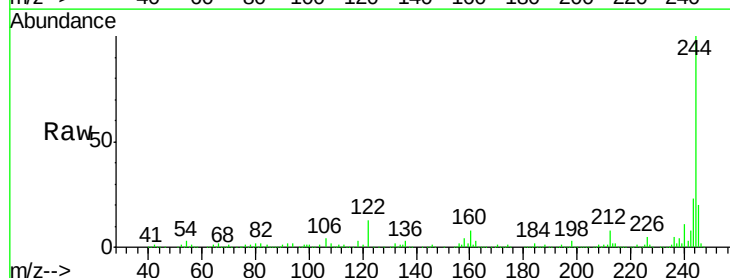
Tgt Ion:244 Resp: 936530

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

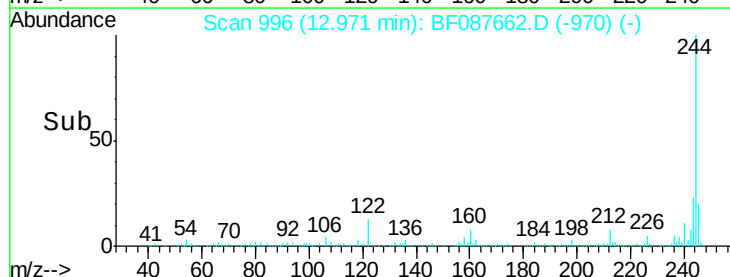
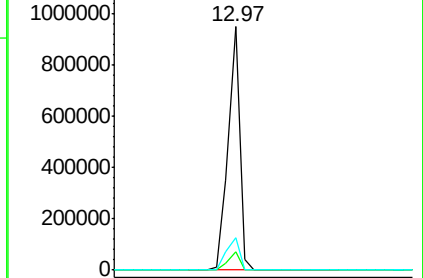
122 13.2 11.2 16.8

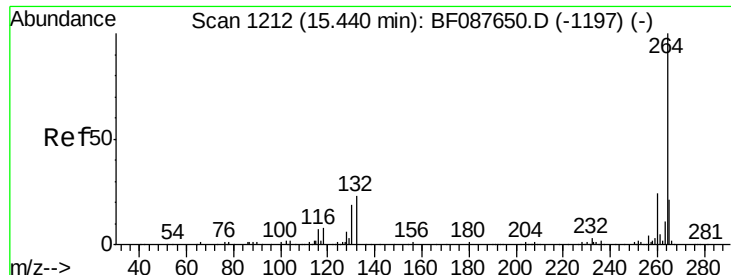


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

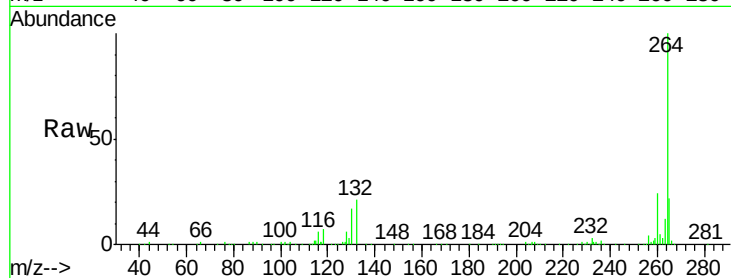




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BF087662.D
Acq: 4 Jun 2016 13:13

Instrument :
BNA_F
ClientSampleId :
PB91024BL

Tgt Ion: 264 Resp: 302201
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.0 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

