

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061316\
 Data File : BF087990.D
 Acq On : 13 Jun 2016 18:37
 Operator : UM/SJ
 Sample : H3419-03 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T6-B2(0-6)C

Quant Time: Jun 14 02:28:30 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

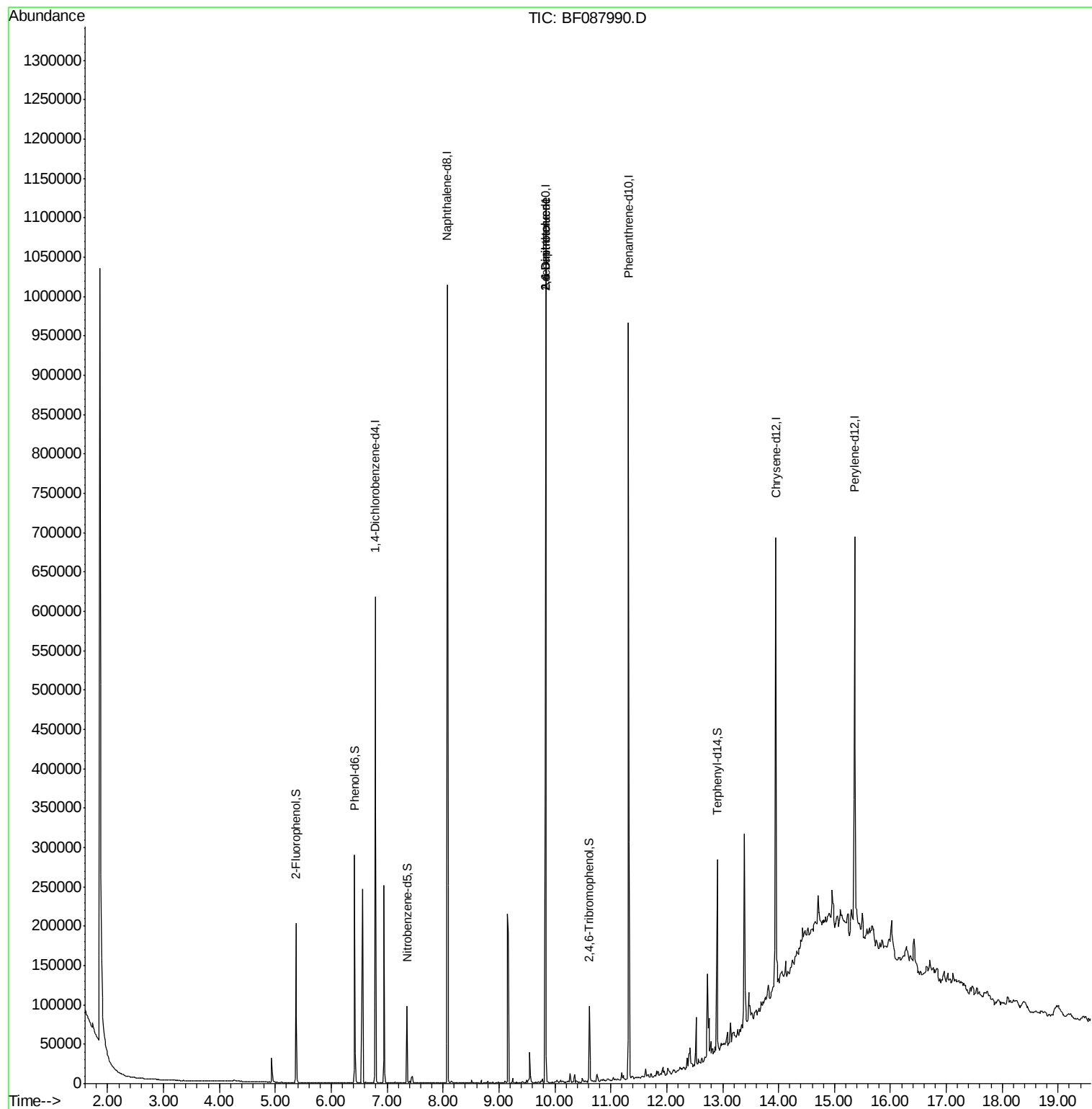
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	117253	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	459921	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	228910	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	356816	20.00	ng	0.00
75) Chrysene-d12	13.95	240	282967	20.00	ng	0.00
86) Perylene-d12	15.36	264	230454	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	65086	9.49	ng	-0.01
7) Phenol-d6	6.42	99	94829	11.41	ng	-0.01
23) Nitrobenzene-d5	7.36	82	46506	5.90	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	10653	4.41	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	103188	1.65	ng	0.00
78) Terphenyl-d14	12.90	244	81369	6.54	ng	0.00
Target Compounds						
10) Phenol	6.43	94	497	Below Cal	#	1
45) 1,1'-Biphenyl	9.26	154	226	Below Cal	#	43
50) 2,6-Dinitrotoluene	9.84	165	29200	7.69	ng	40
56) 2,4-Dinitrotoluene	9.84	165	29195	5.98	ng	38
57) Fluorene	10.38	166	638	Below Cal	#	73

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.00 min

Lab File: BF087990.D

Acq: 13 Jun 2016 18:37

Instrument :

BNA_F

ClientSampleId :

T6-B2(0-6)C

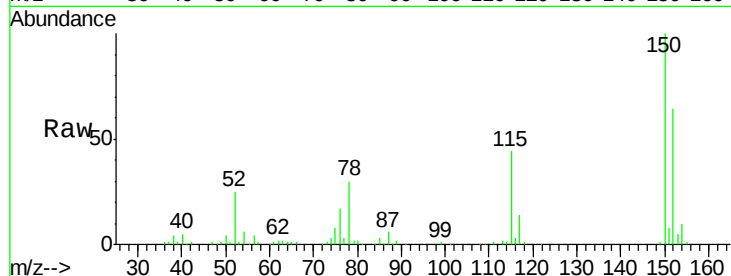
Tgt Ion:152 Resp: 117253

Ion Ratio Lower Upper

152 100

150 157.4 123.8 185.6

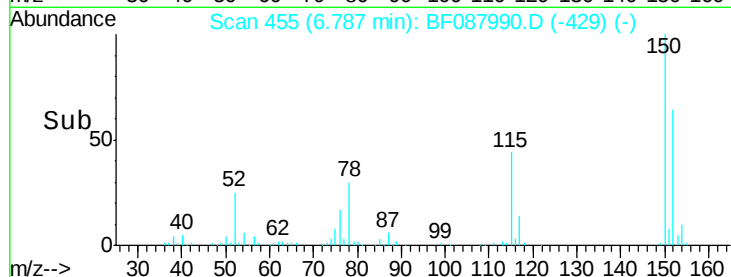
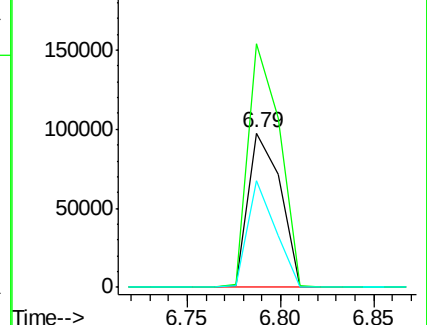
115 68.9 39.6 59.4#



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: 9.49 ng

RT: 5.37 min Scan# 331

Delta R.T. -0.01 min

Lab File: BF087990.D

Acq: 13 Jun 2016 18:37

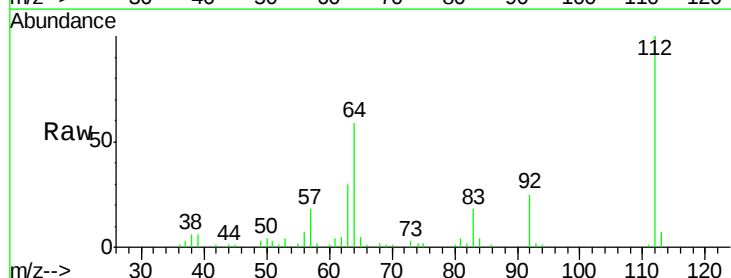
Tgt Ion:112 Resp: 65086

Ion Ratio Lower Upper

112 100

64 59.2 42.2 63.2

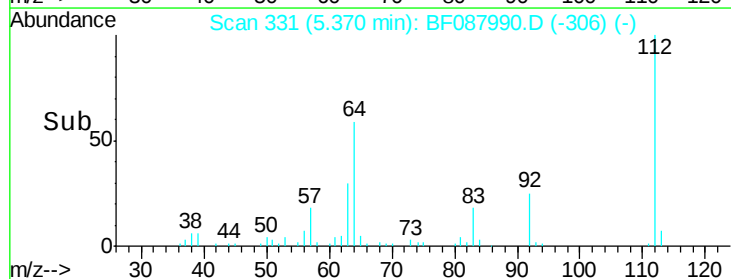
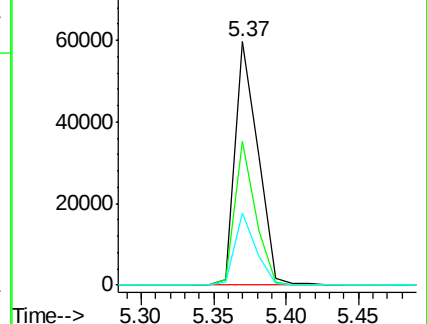
63 29.6 21.8 32.8

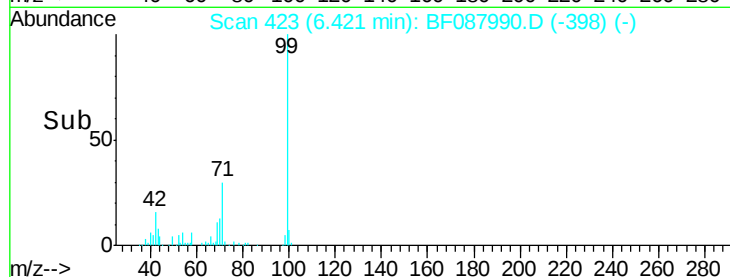
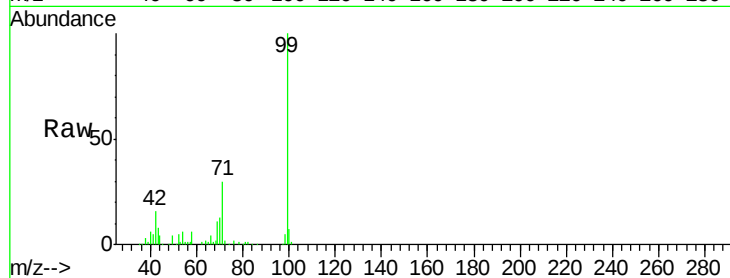


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 11.41 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF087990.D

Acq: 13 Jun 2016 18:37

Instrument :

BNA_F

ClientSampleId :

T6-B2(0-6)C

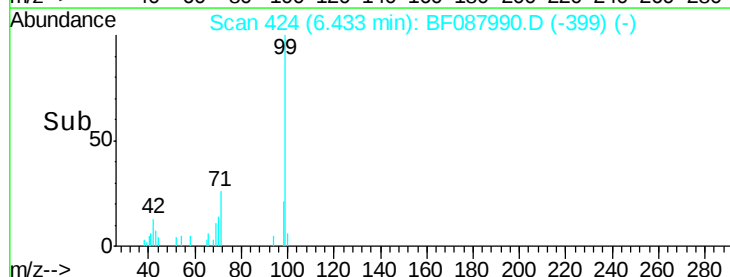
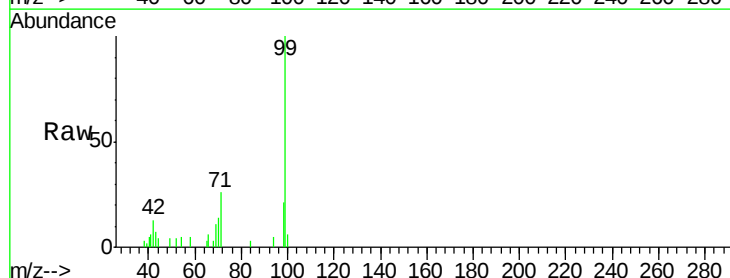
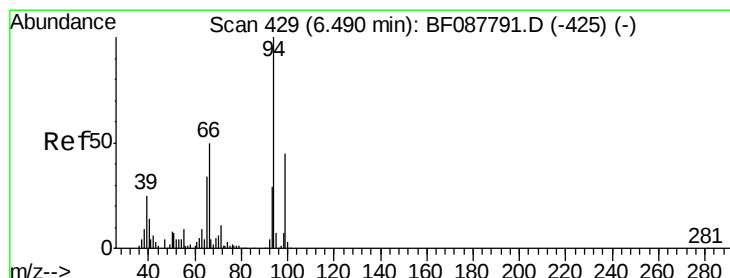
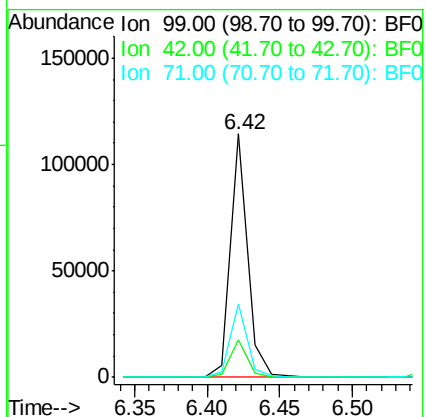
Tgt Ion: 99 Resp: 94829

Ion Ratio Lower Upper

99 100

42 15.5 12.2 18.2

71 30.2 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF087990.D

Acq: 13 Jun 2016 18:37

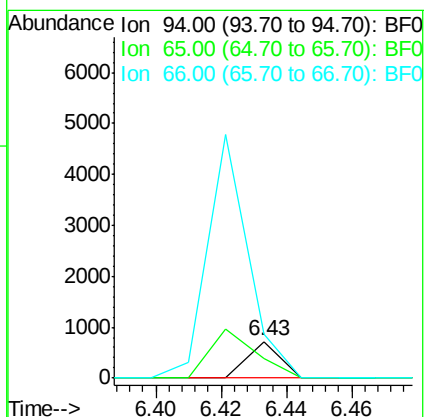
Tgt Ion: 94 Resp: 497

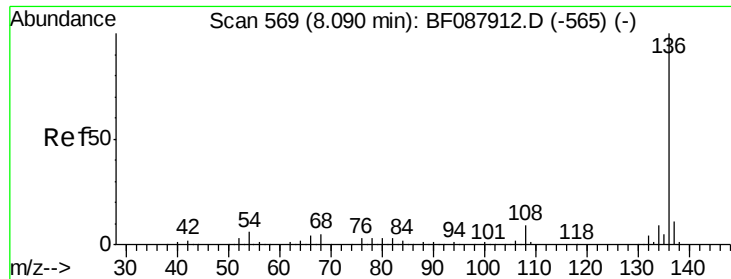
Ion Ratio Lower Upper

94 100

65 53.3 5.9 45.9#

66 117.7 14.0 54.0#

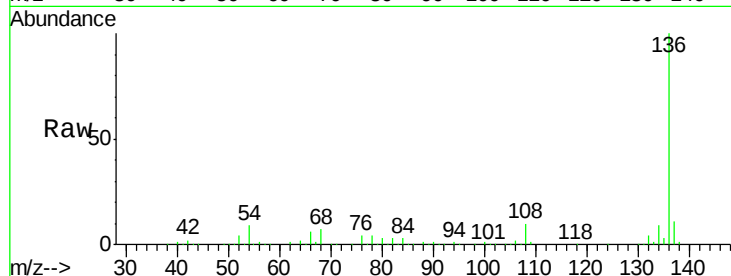




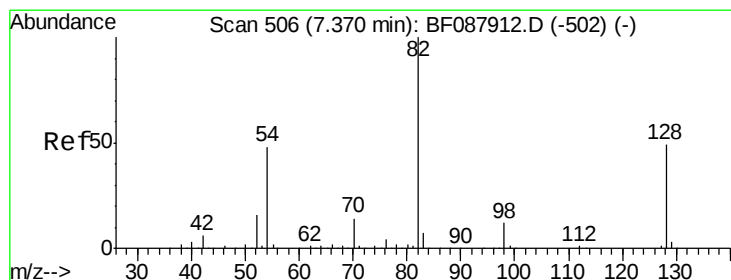
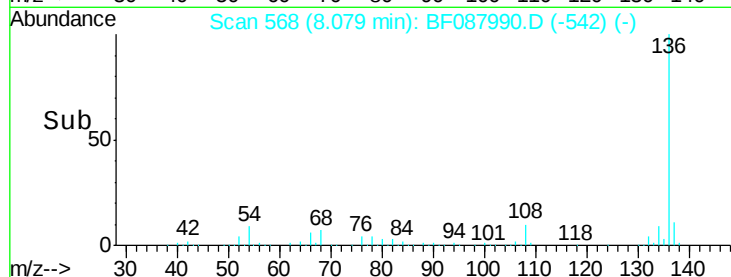
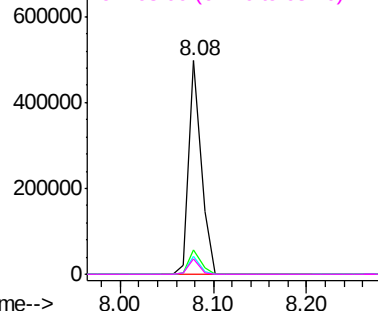
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 568
Delta R.T. -0.00 min
Lab File: BF087990.D
Acq: 13 Jun 2016 18:37

Instrument :
BNA_F
ClientSampleId :
T6-B2(0-6)C

Tgt Ion:	136	Resp:	459921
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	8.6	6.6	10.0
68	7.2	5.1	7.7

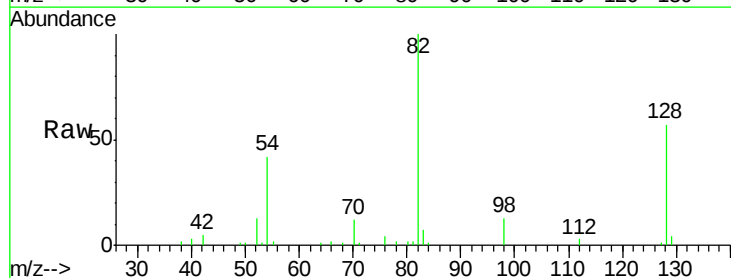


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

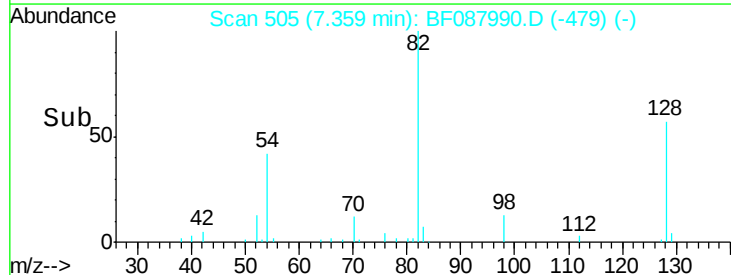
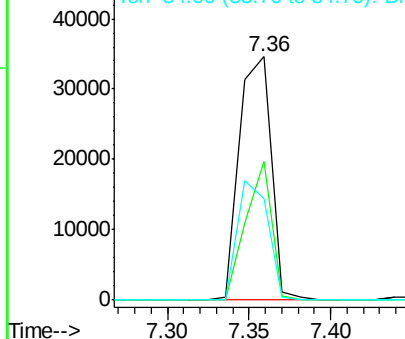


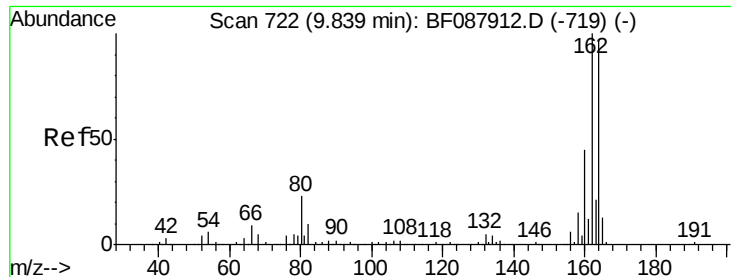
#23
Nitrobenzene-d5
Concen: 5.90 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.00 min
Lab File: BF087990.D
Acq: 13 Jun 2016 18:37

Tgt Ion:	82	Resp:	46506
Ion	Ratio	Lower	Upper
82	100		
128	57.1	35.9	53.9#
54	41.7	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: 9.84 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF087990.D

Acq: 13 Jun 2016 18:37

Instrument :

BNA_F

ClientSampleId :

T6-B2(0-6)C

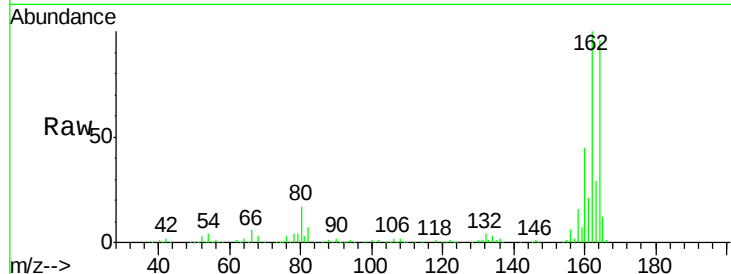
Tgt Ion:164 Resp: 228910

Ion Ratio Lower Upper

164 100

162 104.5 85.4 128.2

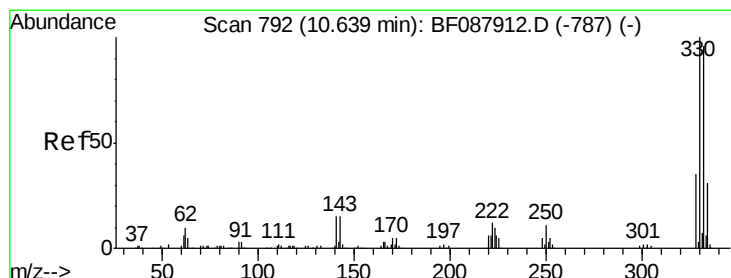
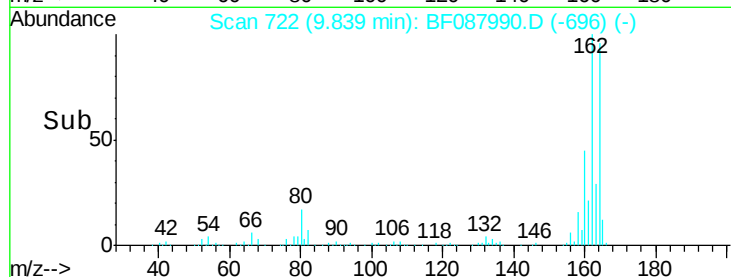
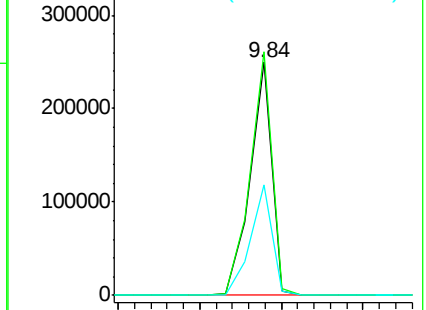
160 47.3 39.5 59.3



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: 4.41 ng

RT: 10.62 min Scan# 790

Delta R.T. -0.01 min

Lab File: BF087990.D

Acq: 13 Jun 2016 18:37

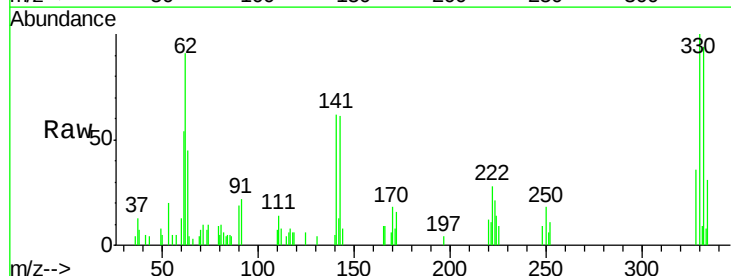
Tgt Ion:330 Resp: 10653

Ion Ratio Lower Upper

330 100

332 95.8 0.0 0.0#

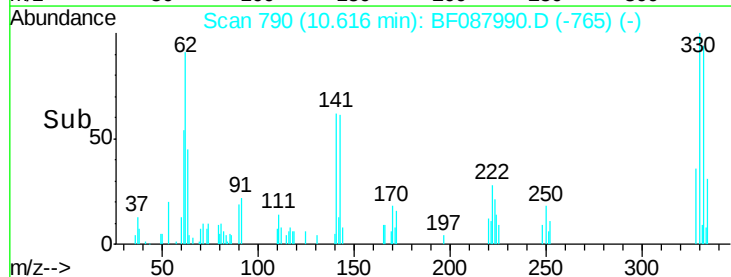
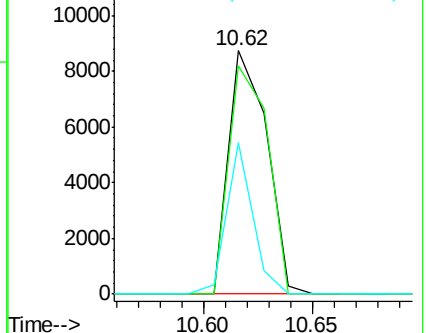
141 42.8 0.0 0.0#

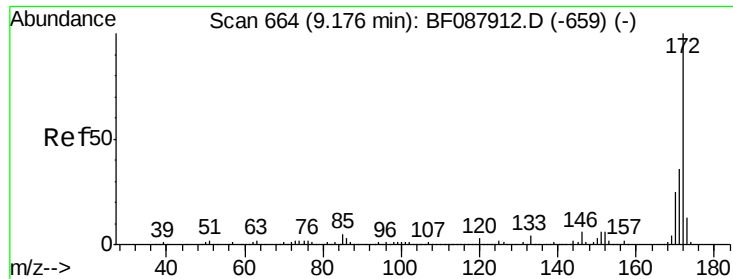


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

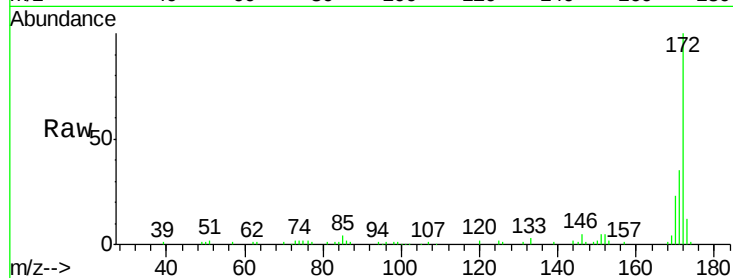




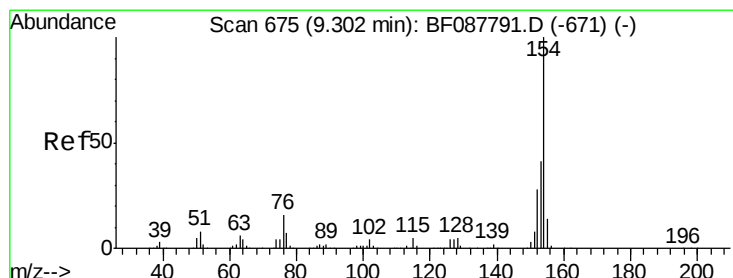
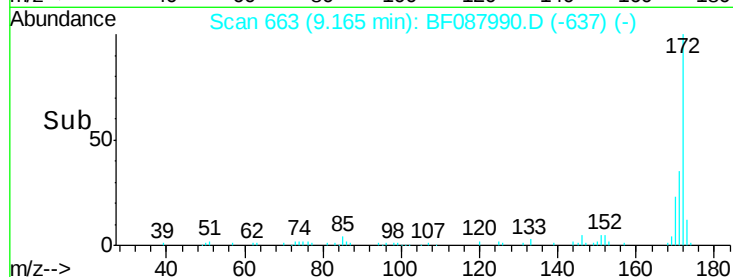
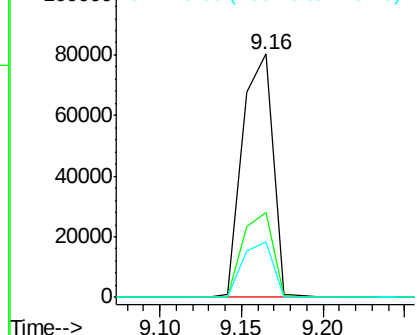
#44
2-Fluorobiphenyl
Concen: 1.65 ng
RT: 9.16 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF087990.D
Acq: 13 Jun 2016 18:37

Instrument :
BNA_F
ClientSampleId :
T6-B2(0-6)C

Tgt Ion:172 Resp: 103188
Ion Ratio Lower Upper
172 100
171 34.7 28.6 43.0
170 22.9 19.2 28.8

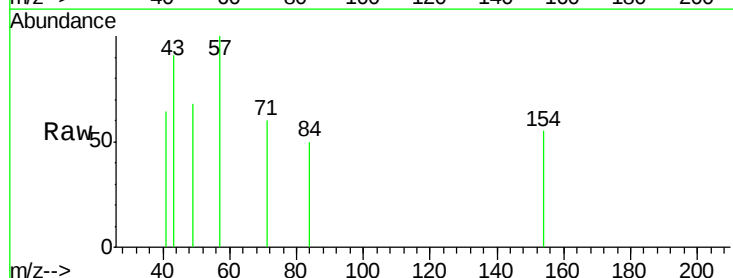


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

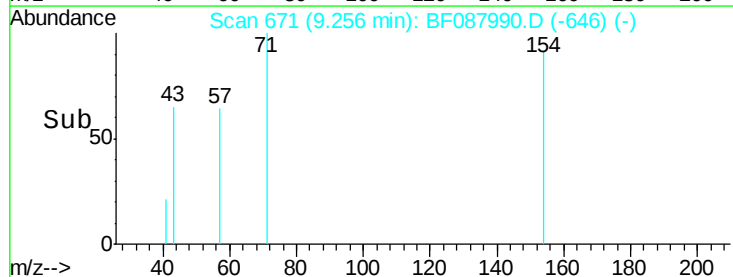
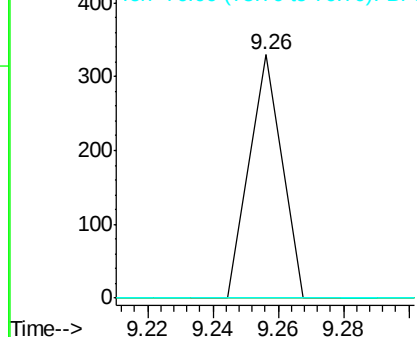


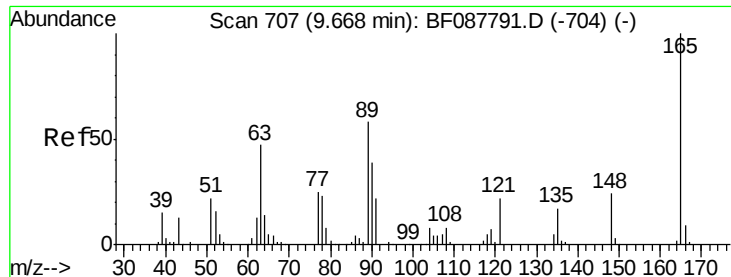
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.26 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF087990.D
Acq: 13 Jun 2016 18:37

Tgt Ion:154 Resp: 226
Ion Ratio Lower Upper
154 100
153 0.0 20.6 60.6#
76 0.0 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

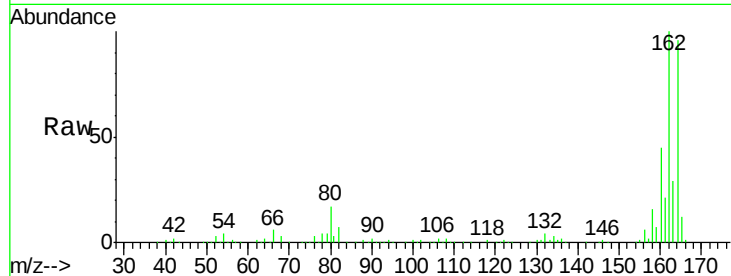




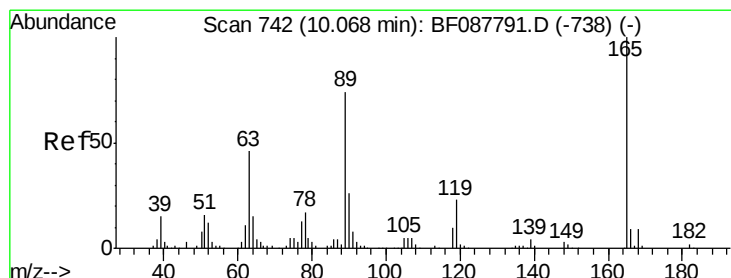
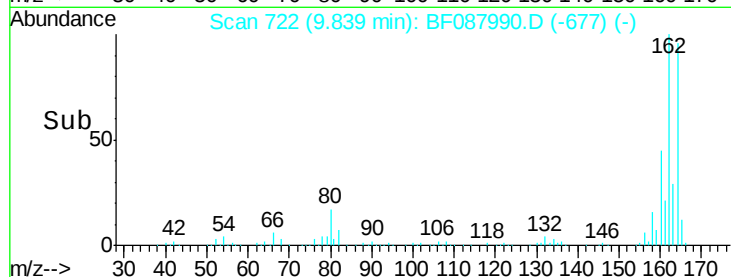
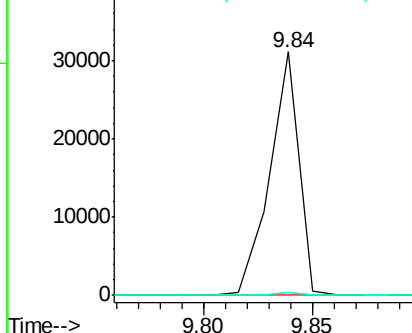
#50
 2,6-Dinitrotoluene
 Concen: 7.69 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.22 min
 Lab File: BF087990.D
 Acq: 13 Jun 2016 18:37

Instrument :
 BNA_F
 ClientSampleId :
 T6-B2(0-6)C

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	28.1	42.1#
89	1.5	32.2	48.2#



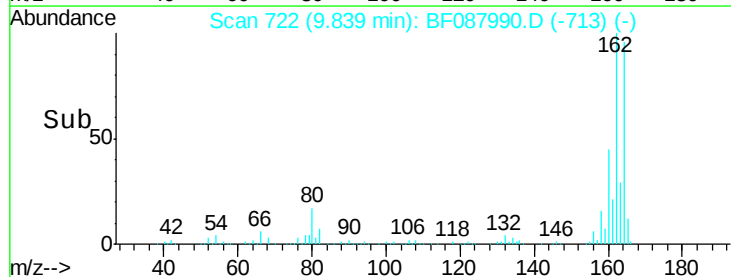
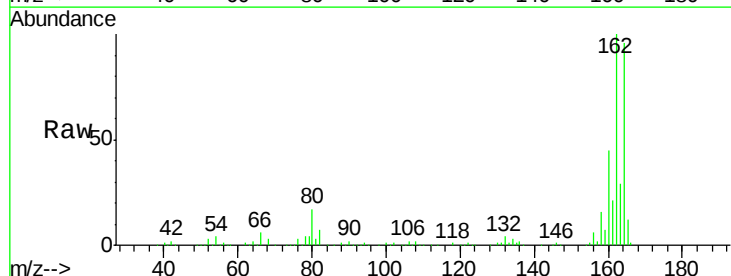
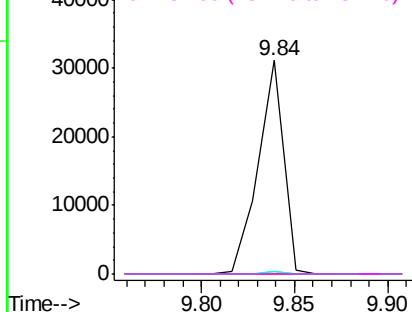
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

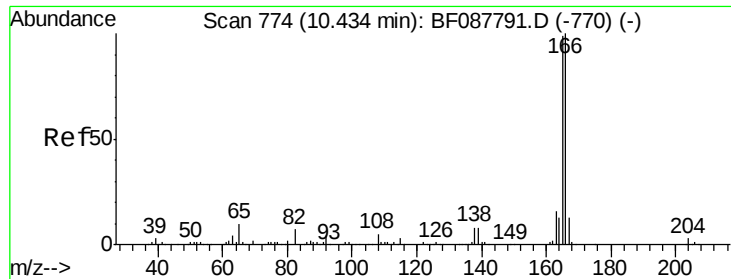


#56
 2,4-Dinitrotoluene
 Concen: 5.98 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.19 min
 Lab File: BF087990.D
 Acq: 13 Jun 2016 18:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	22.0	33.0#
89	1.5	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: 10.38 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF087990.D

Acq: 13 Jun 2016 18:37

Instrument :

BNA_F

ClientSampleId :

T6-B2(0-6)C

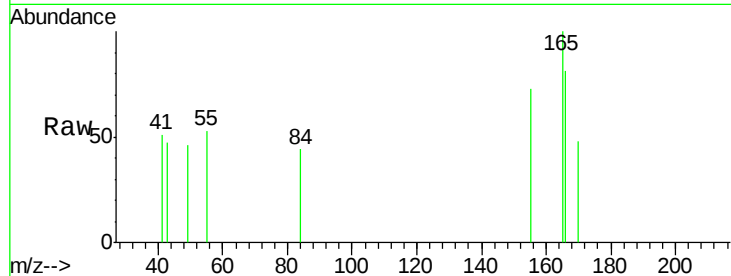
Tgt Ion:166 Resp: 638

Ion Ratio Lower Upper

166 100

165 123.2 77.8 116.8#

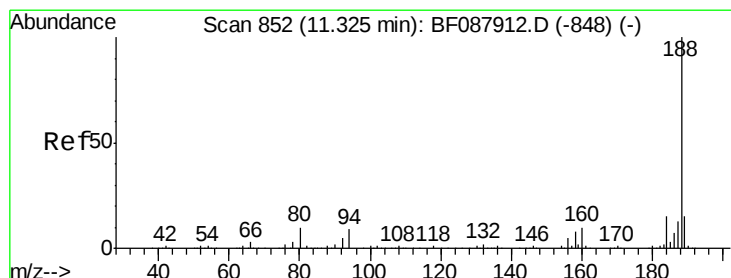
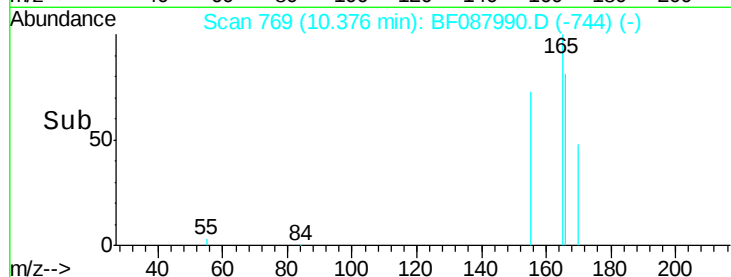
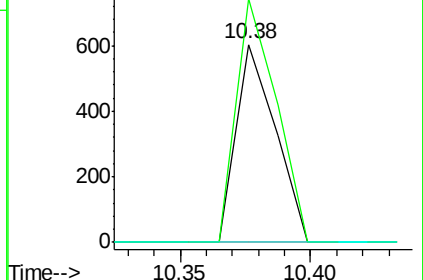
167 0.0 11.2 16.8#



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: 11.31 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF087990.D

Acq: 13 Jun 2016 18:37

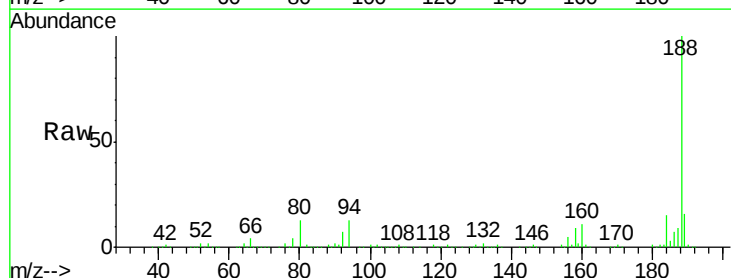
Tgt Ion:188 Resp: 356816

Ion Ratio Lower Upper

188 100

94 12.6 9.0 13.6

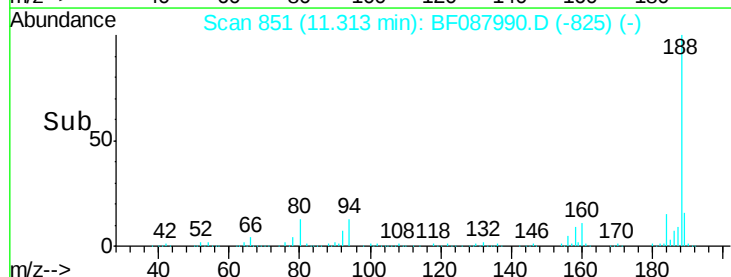
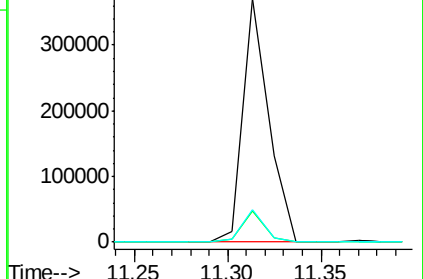
80 13.2 10.0 15.0

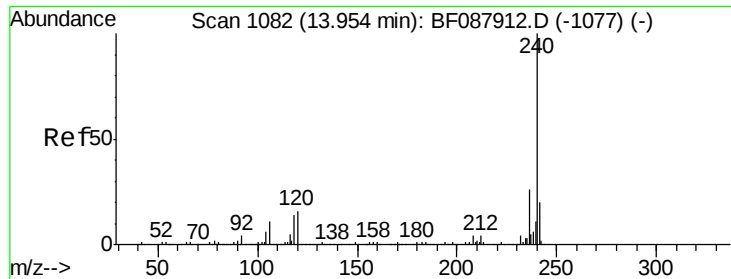


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BF087990.D

Acq: 13 Jun 2016 18:37

Instrument :

BNA_F

ClientSampleId :

T6-B2(0-6)C

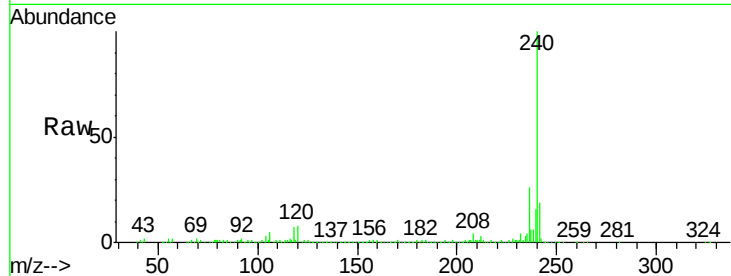
Tgt Ion:240 Resp: 282967

Ion Ratio Lower Upper

240 100

120 7.9 6.8 10.2

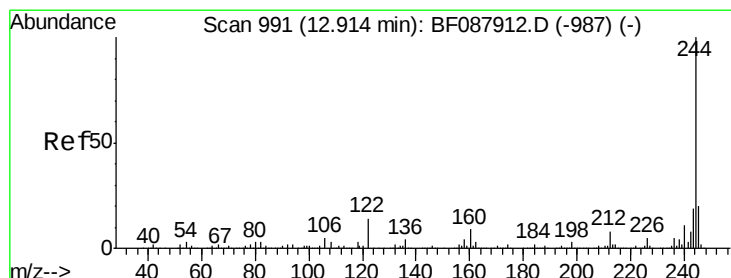
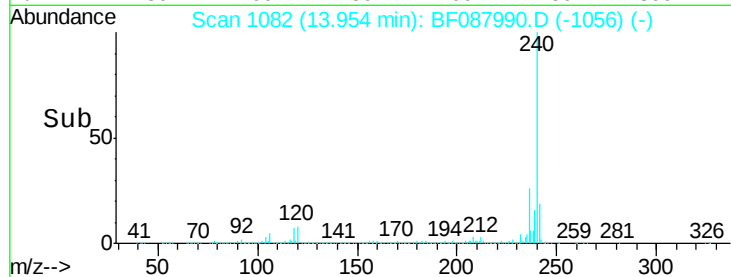
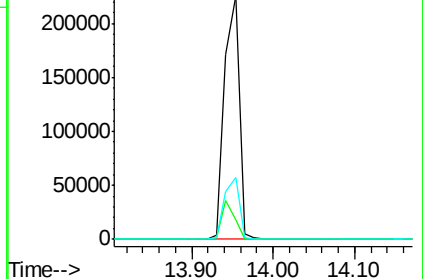
236 25.5 20.2 30.2



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: 6.54 ng

RT: 12.90 min Scan# 990

Delta R.T. -0.00 min

Lab File: BF087990.D

Acq: 13 Jun 2016 18:37

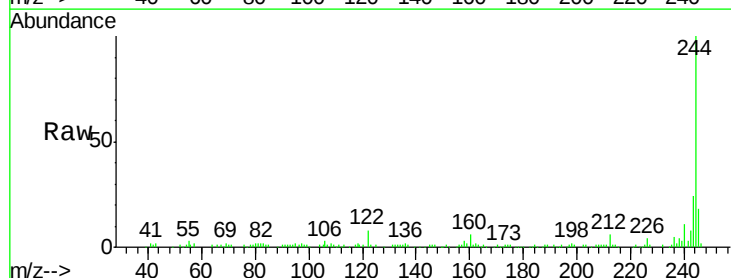
Tgt Ion:244 Resp: 81369

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

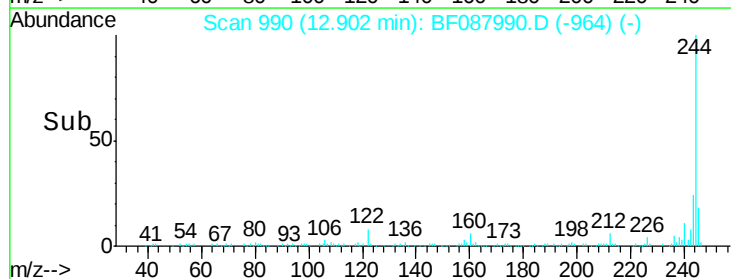
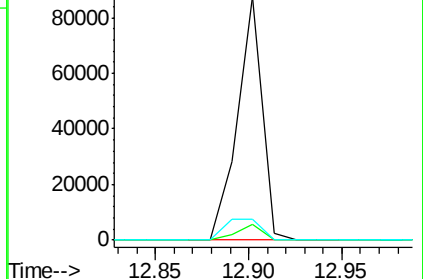
122 8.4 11.2 16.8#

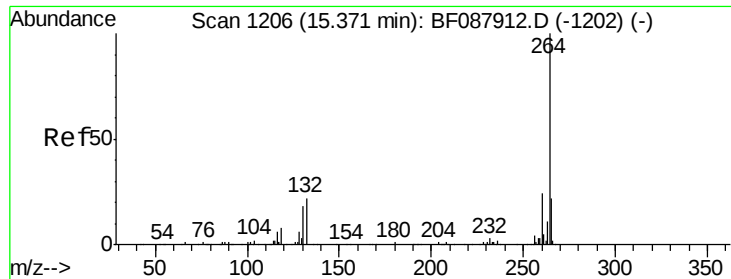


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

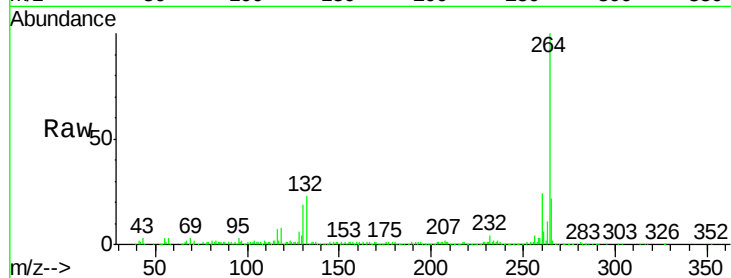




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF087990.D
Acq: 13 Jun 2016 18:37

Instrument :
BNA_F
ClientSampleId :
T6-B2(0-6)C

Tgt Ion: 264 Resp: 230454
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.7 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

